

ACTIVITIES REPORT 2019 | 2020

São José dos Campos
Technology Park Association



NO BORDERS
FOR INNOVATION



Marco Antonio Raupp > CEO

Elo Alberti Junior > Business Development Officer

José Iram Mota Barbosa > Chief Operating Officer

José Raimundo Braga Coelho > Chair of the Board of Directors

São José dos Campos Technology Park Association

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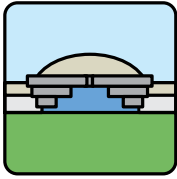
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Photos - TechPark collection (unless credited in the photo)

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March 2021



EDITORIAL

The year 2019 awakened a great deal of optimism in us, albeit with a slow (but growing) upturn in the economy. At that time, we were once again evaluating the role of a technology park, considering the economic recovery, the decrease in unemployment, and the positive view of international investors. Without a doubt, we would have a well-formatted definition if the situations had continued this way.

But then came 2020 to show us that things can change unexpectedly and that not even the most competent team can foresee all scenarios in its planning.

In this new context, the importance of a technology park shows itself in actions: being flexible, resilient, creative, and attentive to the needs of the companies and institutions which looked to it to grow and make a difference in the market. Set recipes and risk-free manuals have flown out of the window.

If the core of our work was to connect people and organizations which develop innovation - that is, to turn research into innovative goods for the market - today this is intensified even further. It has been necessary to strengthen relationships, getting even closer to the entrepreneurs, identifying opportunities, and indicating paths.

Being closer can seem paradoxical in times of mandatory social isolation. But we were able to respond and to follow the situation in which our companies and institutions found themselves, as well as to maintain the complete agenda of mentoring, training activities, and other initiatives that proved to be more necessary than ever during a pandemic that directly affected the global market.

In our environment, the digital transformation has been going on for some time, but the pandemic was an opportunity to further accelerate this process.

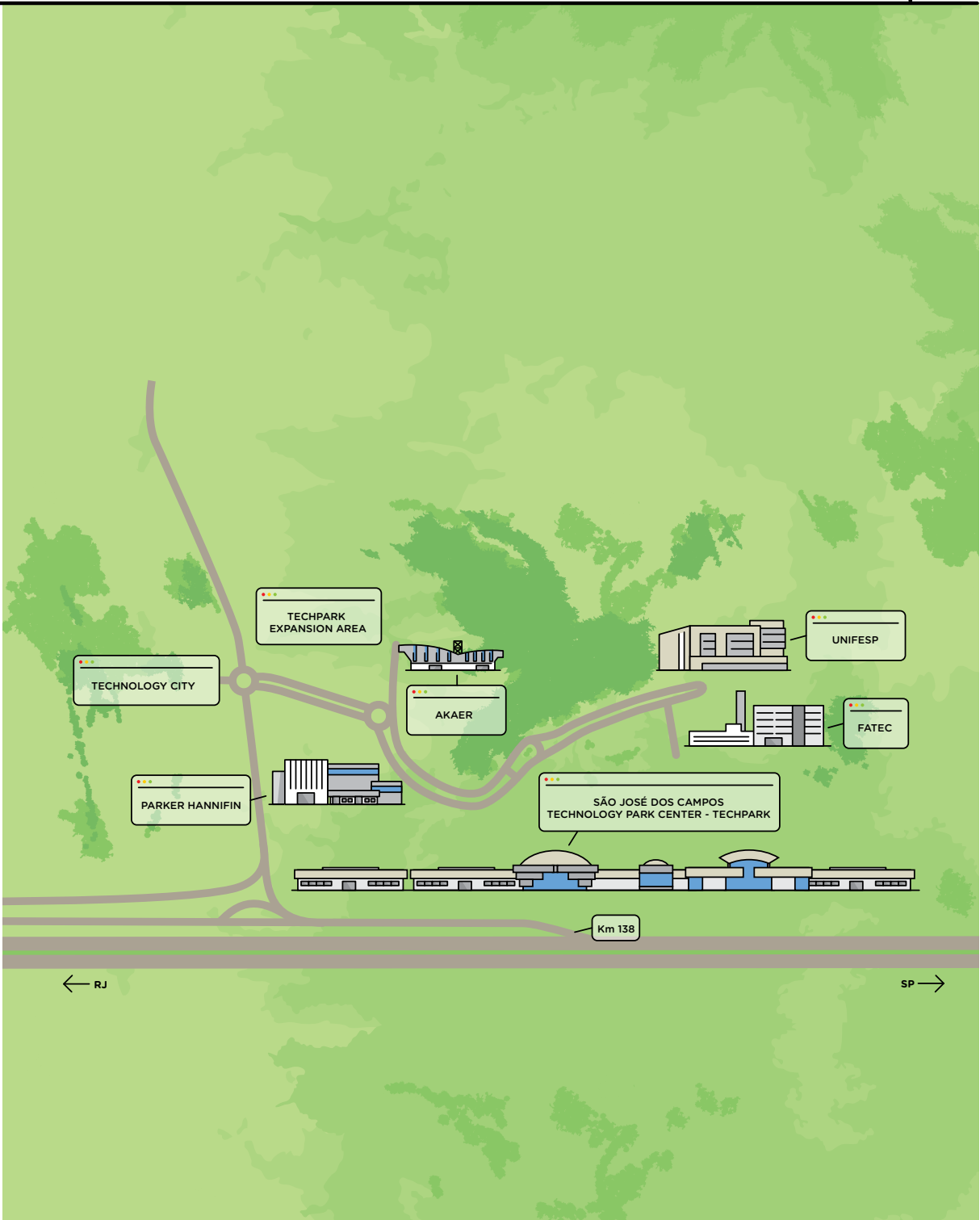
Using technology and online tools, we have quickly adopted new behaviors and incorporated a hybrid action model: after 2020, we recognize that never again will events, meetings, monitoring and training take place through one single channel - face-to-face or online. Both formats will always be considered, in order to encourage the participation of a range of interlocutors in our activities.

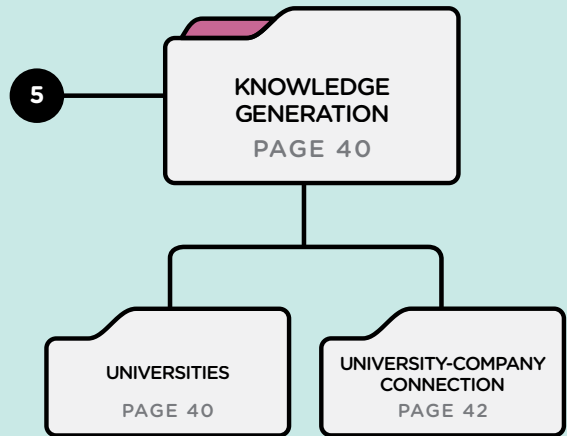
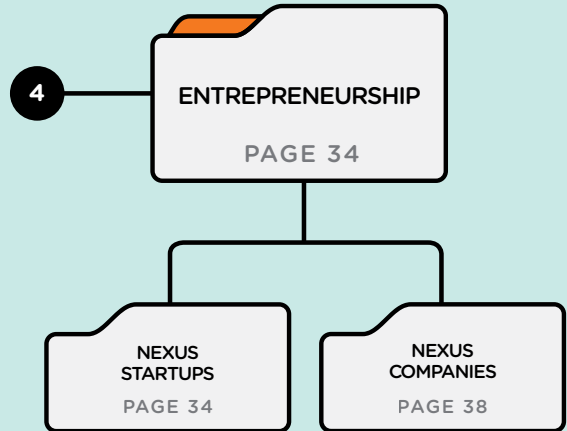
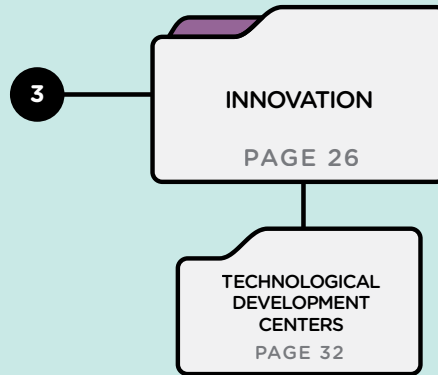
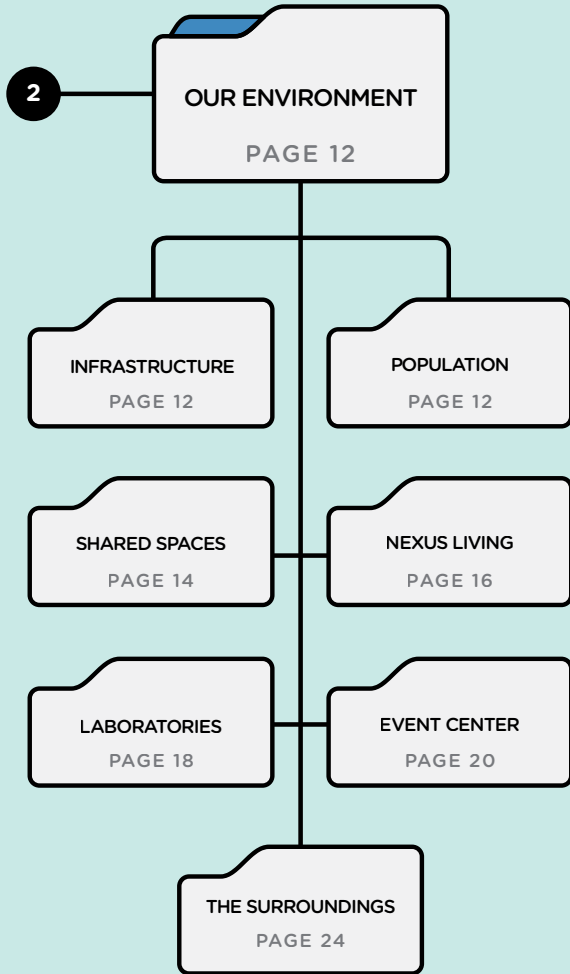
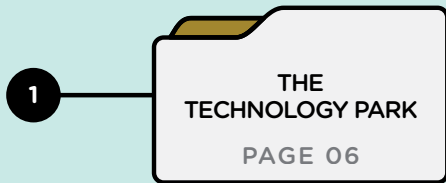
Our success in creatively and efficiently dealing with an unexpected scenario can be measured in the following pages. São José dos Campos Technology Park showed positive results and growth at a time of uncertainty.

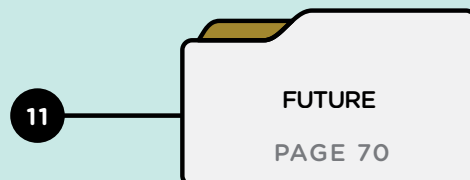
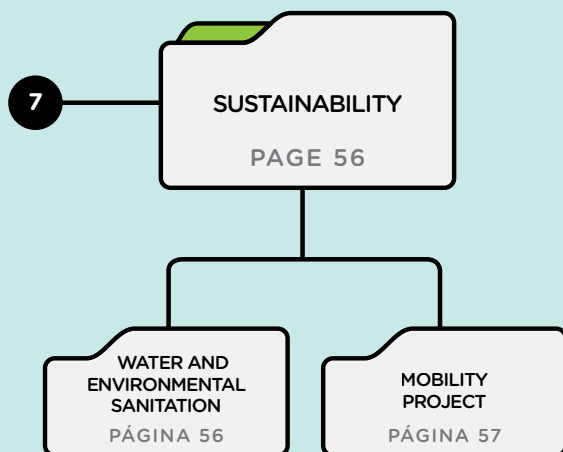
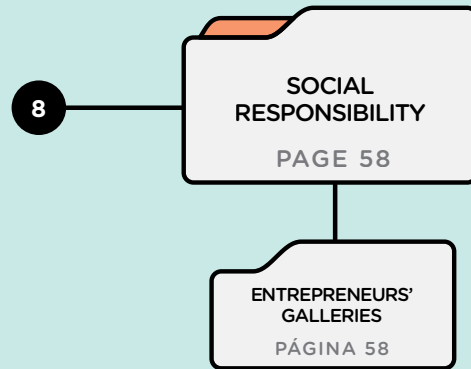
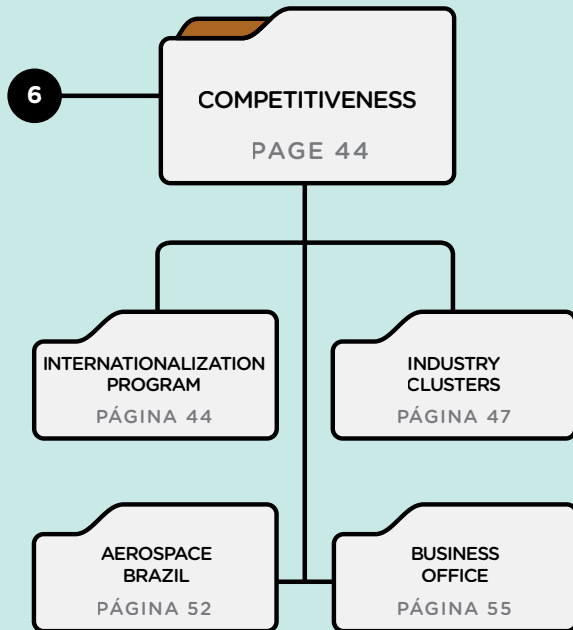
In this publication, we have brought together the most significant data for 2019 and 2020 in all our areas of operation: from entrepreneurial initiatives and innovation-related figures to improvements in our infrastructure. This information indicates everything from great generation of knowledge and manpower training to social actions and sustainability projects.

Numbers and facts confirm that TechPark remains a project for society, always seeking a great collective cause: generating value, employment, and income through developing innovative industry and dynamic and disruptive services. Our results certify that technological development, entrepreneurship, and innovation have become, more than ever, fundamental parts in creating good opportunities in our country.











Credits: Autaza



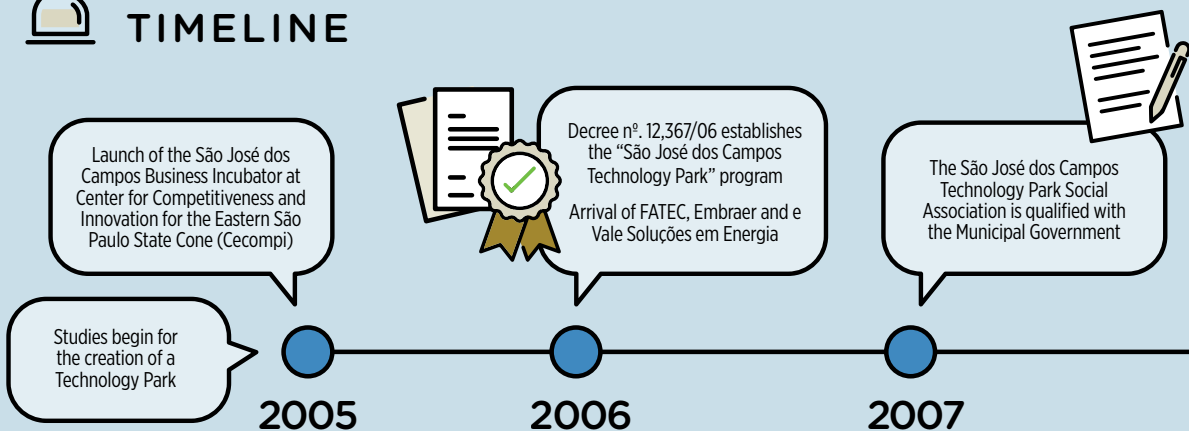
São José dos Campos Technology Park is a pioneer in the state of São Paulo - it was the first to receive definitive accreditation from the System of Technology Parks of the State of São Paulo and, today, it is one of the largest innovation and entrepreneurial complexes in Brazil.

São José dos Campos Technology Park (TechPark) is a project of the São José dos Campos Municipal Government, with the support of the São Paulo State Government in its implementation.

It was created to be a protagonist in development of the region and



TIMELINE



the country, and a great articulator for creating new technologies, new products, and new processes. It is key to innovative entrepreneurship and to ensuring the competitiveness of companies.

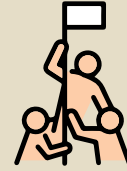
To this end, TechPark has developed a portfolio of programs and projects that serve innovative ideas, companies, universities and research institutes, and governments. The Technology Park is also a pioneer in considering society and market needs, which guide all its actions. Society is directly included in the institution's programs and lines of action, and the market is a fundamental element in defining and implementing innovation and training projects.

By uniting these four aspects (university, company, government, and society), TechPark is able to present solid results in technological

innovation and economic development.

It is worth pointing out that a technology park is much more than an environment in which companies are resident. Therefore, TechPark fulfills the mission of providing intelligence, infrastructure, and services necessary for companies and entrepreneurs to strengthen and grow.

These environments are essential for countries if they want to play a leading role in the global economy. It is well known that a country which generates, appropriates, and applies scientific and technological knowledge has the strength and backing to compete internationally. As can be seen in the following pages, the São José dos Campos Technology Park is a great representative of the scientific and technological knowledge generated in Brazil.



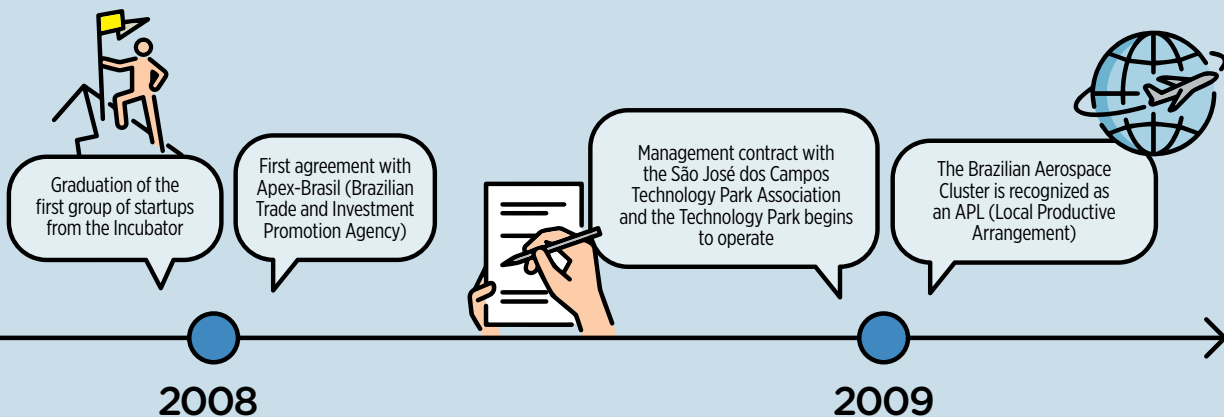
OUR MISSION

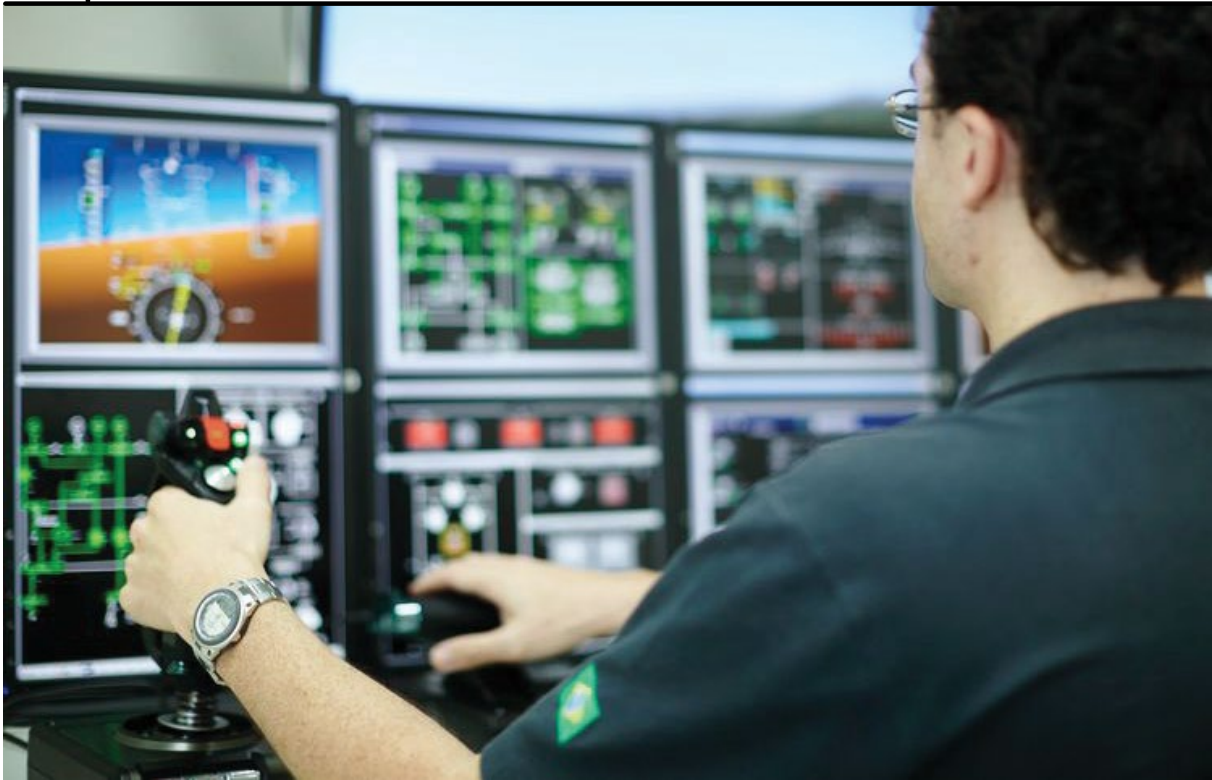
Promote science, technology, innovation, and entrepreneurship, aiming at competitive and sustainable development.



OUR VISION

To be recognized as an environment for science, technology, innovation, and entrepreneurship, a reference in promoting competitive and sustainable development.



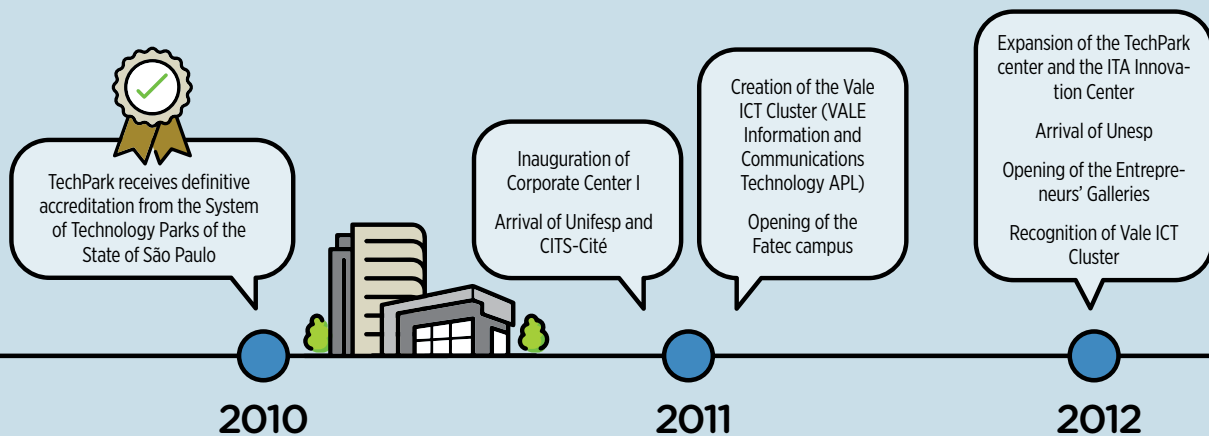


Embraer flight simulator. Credit_Embraer

Today, São José dos Campos Technology Park is the main representative of the important technological aspect of the city and is responsible for a significant portion of the expansion of its

surroundings. In 2019, with the enactment of the New Zoning Ordinance, which established rules in relation to land parceling, use and occupation, in alignment with the Master Plan for the Integrated

Development of the city of São José dos Campos, TechPark center and its surroundings became part of the TechPark Special Perimeter, which extends for 15.8 million square meters.



Who runs the Technology Park?

TechPark is managed by the São José dos Campos Technology Park Association (APTSJC).

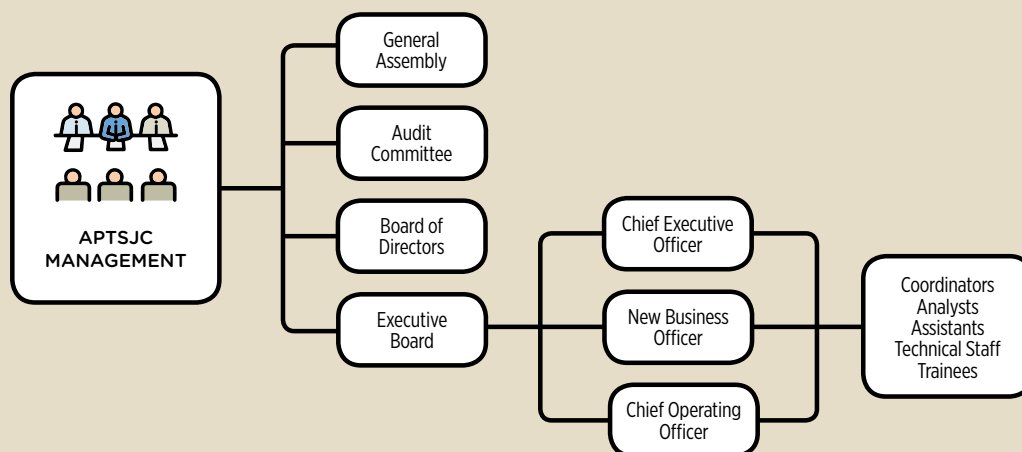
APTSJC is a private, non-profit entity, accredited by the Municipal Government of São José dos Campos as a Social Organization. Its mission is to promote science, technology, tech-

nological innovation and sustainable entrepreneurship, supporting knowledge-intensive corporate activities for collective benefit.

The Association is governed by an Internal Charter and Statute, which regulate the organization and its operation. The General Assembly is the highest decision-making body. The Board of Directors is the superior guiding and decision-making body,

and its decisions are followed by the Executive Board. And the Audit Committee internally monitors the Association's economic and financial management.

To learn more about APTSJC governance:
<https://pqtec.org.br/en/institutional/executive-board-and-board-of-directors/>



Arrival of: Cemaden,
Boeing, Atech,
Visiona, Airbus
The Unesp building is
opened

2013

The Unifesp building is
opened
The 1st RM VALE TI
is held

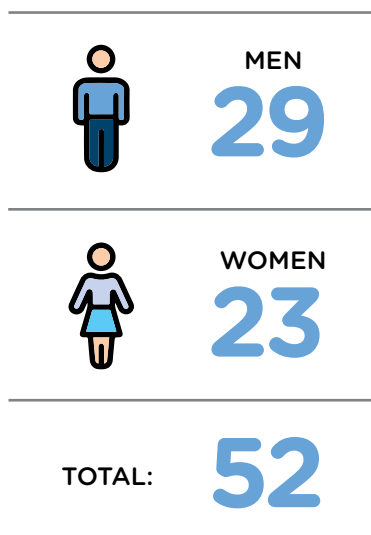
2014

Opening of the
Cemaden facilities,
Corporate Center II
and the Simulation
and Critical Systems
Laboratory

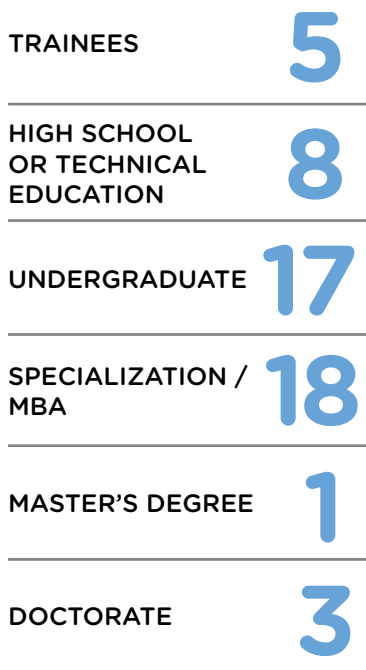
2015

Team

The São José dos Campos Technology Park Association consists of 47 professionals and 5 trainees. These include those responsible for the programs and projects applied in the São José dos Campos Technology Park.



Education



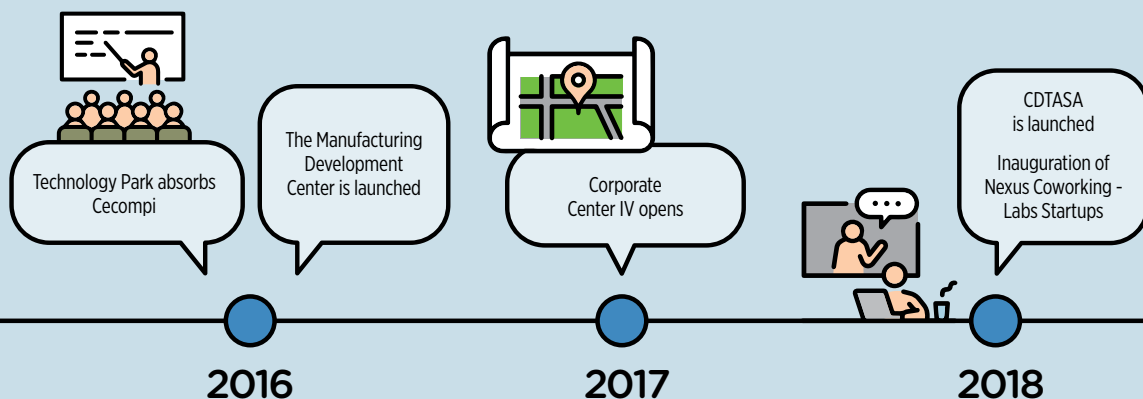
APTSJC's work is structured along the following lines:

Entrepreneurship

The Association's actions aim to encourage and disseminate entrepreneurial and innovative initiatives, and to attract companies and mechanisms to strengthen entrepreneurship. Thus, it organizes training activities for companies in technical, managerial, and market terms, and is in charge of expanding and modernizing TechPark's infrastructure and promoting access to mechanisms for fostering research, development, and innovation activities.

Competitiveness

The activities at the Park coordinated by the Association focus on technological development and entrepreneurship of production chains, through managing Industry Clusters (APLs) and the internationalization program for connected companies.



Internationalization

The Association also works toward the international expansion of companies connected to its programs through direct investment abroad or by establishing partnerships. The initiatives are for companies which are starting to expand and also those that already have business abroad and wish to expand their global operations.

Implementing innovation environments

APTSJC employs its competencies in developing and implementing new innovation environments, providing methodology, technical and operational support to strengthen and expand the operation of innovation environments throughout the country.

Science, technology and innovation

The Association is responsible for creating and perfecting strategies to develop and strengthen the production of knowledge in companies, universities and research institutes; encouraging the training of skilled labor, connecting companies, government, society, and universities and providing them with support; and attracting new universities, as well as science and technology institutions.

Urban and Social Development

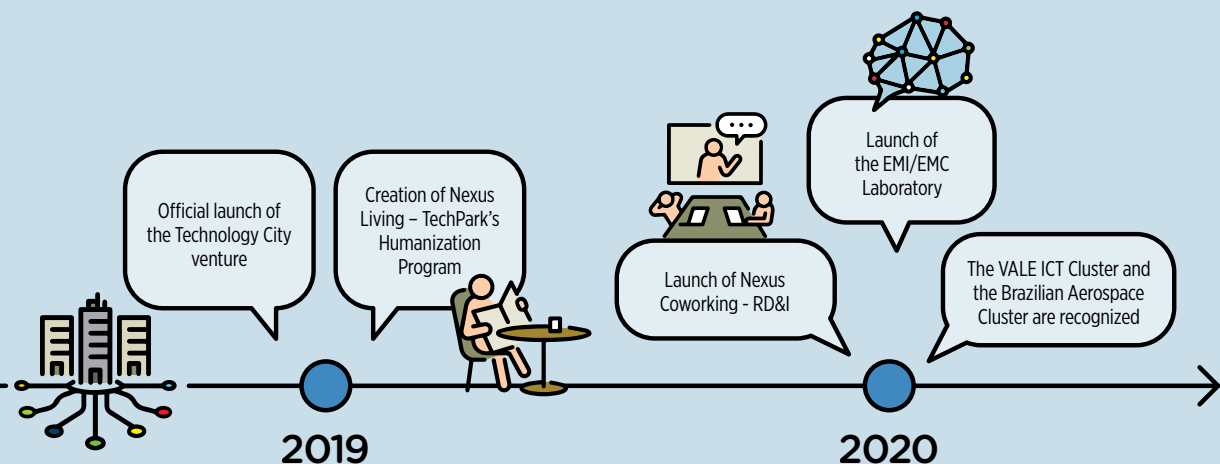
In partnership with public and private entities, the Association works to transform the TechPark center's surrounding area into a major development hub for the city and the region, with schools, homes, service and trading companies, in addition to establishing companies which have completed their cycle within the Park's center and need to grow.

Support to public policies

APTSJC uses the knowledge acquired by monitoring companies, as well as technologies created by TechPark resident companies, APL members, connected companies and institutions, and other companies in the city, to conceive and implement projects that meet the needs of municipal, state and federal public policies, always seeking to contribute to solving urban problems, satisfying demands and quality of life.

Physical infrastructure and services

The Association is responsible for maintaining the physical facilities of the Park's center and the Entrepreneurs' Galleries in the districts of Putim and Campo dos Alemães, in São José dos Campos.



OUR ENVIRONMENT



TechPark center

Complete infrastructure for companies of all sizes:

TECHPARK CENTER
TOTAL AREA:

188
THOUSAND M²



7,000
PEOPLE

AT THE TECHPARK EVERY DAY

CENTER POPULATION:



1,300

Staff from companies, startups and institutions at the center, as well as APTSJC and Municipal Government staff

5,800
PEOPLE

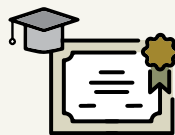


4,137
Students



355

University staff and faculty

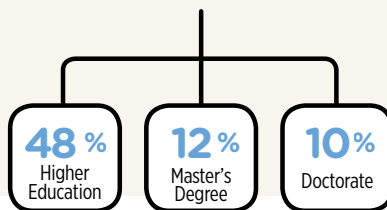


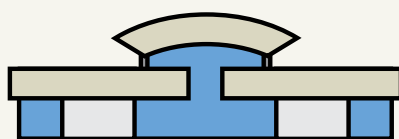
SKILLED LABOR:

1,700 DIRECT JOBS

70%

of job openings filled with professionals with higher education





2019 2020

BUILT AREA	51 thousand m ²	55 thousand m ²
AREA AVAILABLE TO HOUSE COMPANIES, INSTITUTIONS AND PROJECTS	30 thousand m ²	32 thousand m ²
GREEN AREA	56 thousand m ²	
PREMISES FOR CONSOLIDATED COMPANIES IN THE 4 CORPORATE CENTERS*	118	144
SPACES FOR INCUBATED COMPANIES AND STARTUPS	31	35
COWORKING FACILITIES	1	2
EXECUTIVE MEETING ROOMS	15	
RESTAURANT	1	2
CAFETERIA	1	2
KIOSK, FOOD TRUCKS AND SPACES FOR CONVENIENCE AND SOCIALIZING		
AUDITORIUMS FOR 80, 90, 300 AND 800 PEOPLE	4	
CAFETERIAS / COLLECTIVE KITCHENS	2	
PARKING SPACES	800	
MULTI-USER LABORATORIES MANAGED BY APTSJC	3	
CAR-WASH	1	
TOTAL COMPANIES AND STARTUPS AT TECHPARK	124	151
OCCUPANCY RATE	83%	86,7%

*Corporate Centers I, II and IV were financed by the São Paulo State Government and the Financing Agency for Studies and Projects (Finep) and supported by São José dos Campos Municipal Government



Shared spaces

São José dos Campos Technology Park has two coworking spaces, planned and equipped so that startups and companies can focus on what really matters: business growth. To have a space, you must be a participant in the Nexus programs (**Find out more on page 34**). It is an opportunity for entrepreneurs and company teams to interact, share experiences, and innovate.

The locations have meeting rooms and decompression areas. These environments are air-conditioned, equipped with high-speed internet,

ergonomic chairs in various sizes - options for the company range from one chair to an exclusive room, according to its needs.

Besides having a tailor-made physical space, the companies gain the opportunity of being inside the innovative ecosystem of the Technology Park, facilitating the exchange of experiences with other professionals, companies, institutions, and universities.

There are two shared spaces available:

For startups

Startups participating in the Nexus Lab and Nexus Growth programs

can use the environment located in Corporate Center III. The site caters to everything from entrepreneurs who are getting their idea off the ground to startups that need a dedicated place.

For RD&I teams

Companies can bring their research, development, and innovation teams to the Park and take advantage of the synergy environment through the Nexus RD&I program. Coworking, launched in 2020, is located in Corporate Center I and is prepared to receive high performance squads, where they can develop new services and products quickly and innovatively.



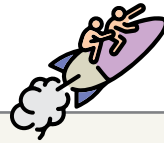
Coworking Startups in 2019



Coworking Startups in 2019



Coworking RD&I



	COWORKING STARTUPS	COWORKING RD&I
WORK STATIONS	54	46
INTERNET	200 MB	100 MB
BUILT AREA	133 m ²	300 m ²
MEETING ROOM	YES	YES
PRIVATE AREA	NO	YES
DEDICATED DESK	YES	YES
RELAXING SPACE	YES	YES
MAILING ADDRESS	YES*	YES

*Except for tax head office





Credits: PMSJC_Adenir_Britto

Nexus Living

Nexus Living is a large project, humanizing project at the Technology Park for adapting and transforming the physical spaces by creating communal areas and including decorative and interactive elements, developed to encourage sociability and create a sense of belonging among those who work at TechPark every day.

The project was launched in June 2019 and, in the first phase, was supported by the following companies: Altave, Autaza, Climatedempo, Conexão Local, Energy Telecom, Exto, Fotosensores, Geopixel, Imagem, Innovact, Lace, MTS, Omnisys, Parker and Resix. In addition to creating new socializing environments, the subsequent

phases of the Nexus Living Program include the installation and operation of several companies providing convenience services and products, as well as promoting events involving the participation of the community surrounding TechPark and the region.

Decompression- The role of Nexus Living also includes making the environment inspiring and attractive. In November 2020, the revitalization of the corridor in Corporate Center I was finished.

In December of the same year, the Park created a new environment for decompression in Corporate Center IV. This is the Decompression, a 40m² space, with chairs, beanbags, and hammocks.



Credits: PMSJC_Adenir_Britto



Credits: PMSJC_Adenir_Britto



Credits: PMSJC_Adenir_Britto



↑ REVITALIZATION OF
SOCIALIZING AREAS



CREATING PROTOCOLS FOR
COEXISTENCE DURING THE
COVID-19 PANDEMIC



Credits: PMSJC_Adenir_Britto



Credits: PMSJC_Adenir_Britto

↑ ARRIVAL OF NEW RESTAURANTS AND A NEW, MUCH MORE AIRY FOOD COURT



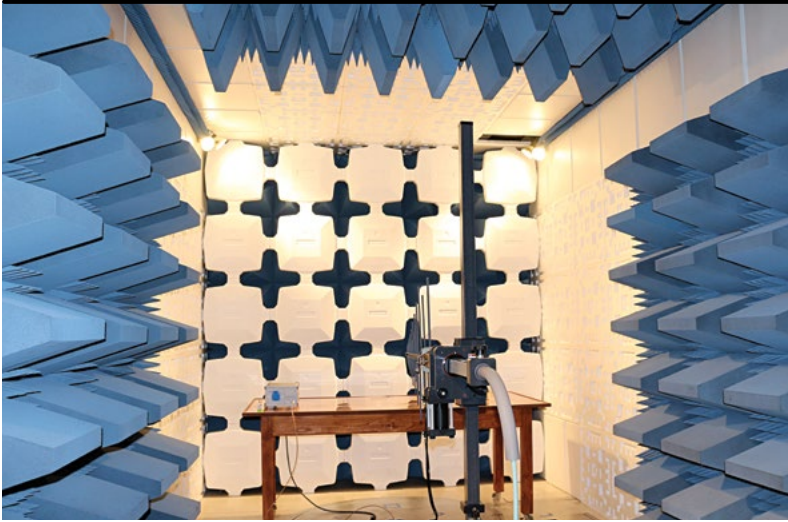
Credits: PMSJC_Adenir_Britto

↑ DECOMPRESSION SPACE



Credits: PMSJC_Adenir_Britto

↑ REVITALIZATION OF THE CORRIDOR



Anechoic chamber in the EMI/EMC Lab



**Laboratórios
PQTEC SJC**

Laboratories

TechPark manages three multi-user laboratories: The Manufacturing Development Center (CDM) and the Simulation and Critical Systems Laboratory (LSC), the creation of which were funded by the São Paulo State Government, and the Electromagnetic Compatibility and Interference Laboratory (EMI/ EMC), funded by Finep. In 2019, the three labs were used in the development of 90 projects. In 2020, 36 projects were developed at the facilities. At the TechPark complex, we also have the Light Structures Laboratory (LEL), managed by the Institute for Technological Research (IPT), the creation of which was funded by BNDES, Fapesp, Finep, and the São

Paulo State Government. Some companies and universities at TechPark also have laboratory structures, such as the Environmental Testing Laboratory (vibration, thermal and acceleration) at SIATT.

Lightning Laboratory

In May 2019, the Park partnered with Lace - an engineering firm specializing in electromagnetic compatibility solutions. In June of the same year, the Lightning Laboratory was inaugurated. It is the only one of its kind in Brazil.

In the laboratory, a national electrical surge generator is being developed, which will be able to generate a low amplitude replica of the transient waves of current and voltage characteristic of atmospheric discharges, in order to simulate their indirect effects on embedded electro-electronic systems. As a result, electrical and

electronic equipment developers will be able to qualify their products according to aeronautical standard RTCA/DO-160G and the new version of the military standard MIL-STD-461G.

Lace's team also aims to test lightning protection devices on site. The idea is that the space will also be a place for research and development.

The project is funded by Fapesp through the Small Business Innovation Research program (PIPE). The partnership term between the two institutions is effective for four years. At the end of the project, the prototype or generator product developed will remain at the Technology Park and can be used for further tests.

Launch of the EMI/EMC Laboratory

The EMI/EMC Lab, launched in February 2020, was created so that companies from various areas, such as defense, aeronautics, automotive, industrial, medical, and information and communication technology, could test their projects and/or products in the development phase.

The laboratory structure has a shielded semi-anechoic chamber up to 40 GHz, amplifier room and control room.

The laboratory's equipment is

calibrated and has traceability to accredited laboratories and presents totally reliable results, according to the applicable standards.

The Laboratory environment is operated by Lace and was equipped through an agreement with the Financing Agency for Studies and Projects (Finep) and the São José dos Campos Technology Park Association.

Projects with modeling and computer simulation

In October 2020, a partnership was signed between the Simulation and Critical Systems Laboratory and Wikki Brasil, for training and support in computational modeling and simulation using open source software.

The agreement aims to jointly develop computational modeling and simulation projects, using open source software and the resources available at TechPark's Simulation and Critical Systems Laboratory. The company will also offer free training for resident and associated companies and for universities installed at TechPark.

Get to know all the equipment and services of our labs at this link: <https://pqtec.org.br/en/environment/laboratories/>



We can manufacture prototypes at the Park's laboratories without affecting our production. Moreover, our employees are trained to operate new equipment and have contact with state-of-the-art software and equipment. The management team is experienced, demonstrating that the main focus of the Park is transmitting knowledge and disseminating technology."

(Francílio Graciano, CEO of Troya / Akaer Group)



By serving the most diverse clients competently and with high quality, the Park brings resources that are almost always restricted to academic and scientific circles to the business world. The Simulation and Critical Systems Lab team really commits to helping us do engineering at the highest level."

(Moisés Henrique de Andrade e Costa, Biotec's Chief Engineering Officer and owner of MHAC Engenharia)



The Technology Park brings together companies and engineering laboratories that stand out in Brazil because of their high technology and specialization, essential for developing military products"

(Major Renault, Head of the Research and Development Division of the Communications and Electronics Material Factory of the Brazilian Army Material Industry)



Structure and equipment of the laboratories



Business Round 6th RM VALE TI in 2019

Event center

Events are a very important tool for generating connection and synergy in a technology park. Therefore, TechPark has an Event Center for its own use and for the entire ecosystem.

Throughout 2019, workshops, lectures, congresses, fairs, and other events were held which generated business opportunities not only for the connected companies but for the entire region.

The Park hosted around 100 events in 2019 and up to February 2020.



Credits: Adenir_Britto



Credits: Adenir_Britto



Spaces for events of all sizes. Photos: Adenir_Britto



Here are some of the main events that took place at the Park:



RM VALE TI

The Technology and Innovation Fair and Congress is the main event held by the Technology Park. The 6th edition took place from October 22 to 24, 2019, with the theme Digital Transformation, and attracted more than 4,000 people, including entrepreneurs, public managers, students and professionals, and representatives of agencies and universities.

The event had 47 stands, as well as 24 startups in Startup World. In the Business Round there were more than 30 municipal governments, 51 anchor companies, and 80 offering companies. In two days of Business Rounds, more than 800 meetings were held. In all, there were 12 panels and more than 50 speakers at the Congress.

The 6th RM VALE TI achieved the goal of creating a favorable environment for companies and public bodies to learn about the technologies developed in Brazil.

The 7th edition, in 2020, was entirely online. **Read more on page 68.**



Nexus Summit

The Nexus Summit is the biggest meeting for startups in the Paraíba Valley, held by Nexus, the Technology Park innovation hub. The 2019 edition took place on August 29 and 30 at the Park Event Center.

Nexus hosted 500 attendees to hear and learn from Brazil's great entrepreneurs and investors. More than 30 specialists presented successful trajectories and gave insights for those who want to be successful in business - almost 60% of the event's participants were a founder or partner in a startup.

The event ended with a Demo Day, in which 15 startups in early and growth stages made pitches to a team of nine investors.

The 3rd edition, in 2020, took place entirely online. **Read more on page 68.**



Aerospace

In 2019, the Park hosted the 1st Symposium on Promoting Aerospace Development Fostering Mechanisms, held by the Ministry of Science, Technology and Innovations (MCTI) in partnership with the Park, through the Brazilian Aerospace Cluster. The event was attended by Marcos Pontes, Minister of Science, Technology and Innovations.

In the same year, TechPark hosted the 1st Workshop on Technological Ordering, organized by the Brazilian Space Agency (AEB). The meeting aimed to spread knowledge about the New Legal Framework for Science, Technology, and Innovation, which altered Law No. 10.973, of December 2, 2004, and other laws. The aim was to encourage the application of the legislation by governmental and private entities operating in the space sector.

The 3rd Edition of the Brazilian Space Industry Forum, in 2019, and the 4th edition, in 2020, were held by the



The 6th RM VALE TI brought together 4,000 people

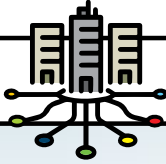
Brazilian Space Agency in partnership with TechPark. In both events, the programming had the support and partnership of the MCTI, the General Secretariat of the Presidency of the Republic, through the Special Secretariat for Strategic Affairs (SAE), and the Brazilian Agency for Industrial Development (ABDI).



All online

Since March 2020, TechPark has been following all the protocols recommended by health institutions and municipal, state, and federal government rulings. Major events that were to be held physically were postponed, but the agenda of events conducted by the Park, always focused on connecting companies, remained intense and was fully transferred to the digital universe. **See more on page 68.**





The surroundings

Technology City - An area designed to fully meet the wishes of the knowledge society, with production, quality of life, and leisure. This is the concept of the Technology City, the land plot and infrastructure works of which were launched in June 2019.

The Technology City is in the TechPark Special Perimeter, in an area of 308,000 square meters, where permitted construction includes homes, Industry 4.0 and low environmental impact companies, financial, health care, education, leisure and gastronomy service establishments, and research and development centers, with business schools and more academic institutions.



With an investment of R\$ 70 million, the land plot and infrastructure work should be completed by June 2021. In addition to land for businesses, companies, and institutions, the project also provides spaces for leisure and green areas, aiming to increase quality of life through integration with nature and community living.

The link to the Technology Park is another differential. The development is next to TechPark, providing the 7,000 people who use the complex with more convenience options, such as financial, health care, educational, and gastronomic services.

Economic development - The Technology City may be the destination of companies residing at the Technology Park when their contracts end. Other

technology companies will also have the opportunity to establish themselves there and use the structure and networking the Park's ecosystem offers.

This will boost the region's development, bringing more opportunities for generating jobs and income, as well as encouraging the creation of innovative products and services. It is estimated that the land plots will attract up to R\$1.5 billion in investments.





Innovation indicators for companies and startups residing at TechPark

2019 2020

	2019	2020
PRODUCTS/SERVICES UNDER DEVELOPMENT	209	203
PATENTS FILED	21	16
JOINT PROJECTS	129	165
LICENSED TECHNOLOGY	17	23
TECHNICAL AND SCIENTIFIC PUBLICATIONS	39	47
RESEARCHERS LINKED TO COMPANIES	135	160



Awards

In 2019 and 2020, Nexus - the TechPark innovation hub, was among the top ten innovation hubs in Brazil at the Startup Awards, the most important award in Brazil for the innovation and startups ecosystem, held by the Brazilian Startups Association (ABStartups).

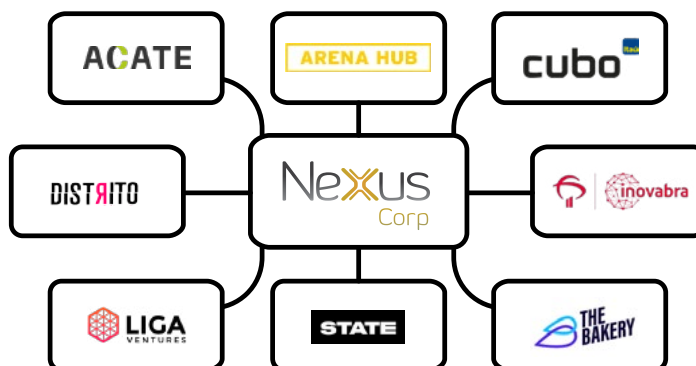
Open Innovation: Nexus Corp

In 2020, the Park launched Nexus Corp, a program created to connect startups and technology-based companies to “corporates”, accelerating the innovation process through the concept of “open innovation”. The first thing it did was to enter into a partnership with eight major innovation hubs from all over the country, aiming to offer opportunities for their startups

and companies and connecting them with major players in the market.

Nexus Corp and its new partners take part in a range of matchmaking initiatives to introduce TechPark companies’ potential to major brands across the country. Both the incubated and accelerated startups, as well as the companies residing in the Park and associated to the programs, such as Vale ICT Cluster, have access to actions created in partnership.

The partner hubs are: Arena Hub, Acate, Cubo, Distrito, Inovabra, Liga Ventures, State and The Bakery. These innovation environments are in intense contact with corporations in search of solutions, new products or processes. In general, they organize challenges, hackathons, pitches, among other actions, in search of technology-based companies capable of meeting the demands of large companies.



Coworking RD&I. Credits: PMSJC_Adenir_Britto



Nestlé innovation and technology center at TechPark. Credits: Divulgaçao_Nestlé

Major brands join Nestlé TechPark

Nestlé

In October 2020, Nestlé opened a center dedicated to innovation, development and testing of new technologies at the Park. Since then, it has been part of the Nexus RD&I program.

It is the company's first innovation center in Latin America. The new structure is very close to the Caçapava factory, Nestlé's "Lighthouse" plant, where technological solutions are developed and tested and, if approved, rolled out at other units of the company.

The Park encourages connection between knowledge from Nestlé's production lines and researchers and entrepreneurs who understand automation and Industry 4.0.

Samsung

Something that stands out is the incubation of startups linked to Samsung's innovation programs. Nexus, the Park's innovation hub, has been among those chosen to host Samsung Creative Startups projects since 2016.

In 2019, Fofuuu came to Nexus. The São Paulo-based startup develops

interactive digital games using speech therapy and neuroscience concepts to stimulate the speech of children with language disorders caused by autism, down syndrome, and cleft lip, among other conditions.

In 2020, three startups from São Paulo chose to be accelerated at Nexus through the program. AppGuardian, develops solutions to help organize the routine of parents and children in the digital world. CAEx develops interactive and immersive virtual laboratories for elementary school students. Nuvem Mestra, also an edtech

company, has developed an access management solution for teachers to apply in the classroom in order to maximize the student's attention to the lesson's theme. This solution is applied in Samsung's line of Chrome Books.

The startup Xperience, specializing in immersive technologies (augmented and virtual reality projects), digital content (3D objects, motion graphics, videos and others) and educational games (online with augmented and virtual reality) develops an augmented reality platform for education with Samsung and is also accompanied by the Nexus team.



It is very important to be present in an innovation environment. In this environment, proximity to entrepreneurs and researchers makes it easy for us to act as consultants. We can physically be part of the projects, understanding the company's strategic plan and presenting ideal, customized solutions for each case. We work with the major technology companies and universities residing at the Park."

(Gláucia Gomes, officer of Clarke Modet)

Caoa Chery

In November 2020, the Park signed a partnership agreement with the Municipal Government of Jacareí and with Caoa Chery for the creation of the Jacareí Automotive Technological Development Center, aimed at developing new technologies and training entrepreneurs in the industry production chain.

The TDC will be the first innovation center dedicated to the automotive sector in the Paraíba Valley region. The Center aims to encourage an environment of innovation, fostering the development of technologies to be used by Caoa Chery and other companies in the automotive sector, generating economic development for the entire region.

Toyota

The São José dos Campos Technology Park created the Mobility Project, to identify the commuting needs of all those who study and work in the region and think of short, medium, and long-term solutions. To develop the action plan and apply extensive research, it receives financial and consulting support from the Toyota Mobility Foundation. **See more on page 57.**

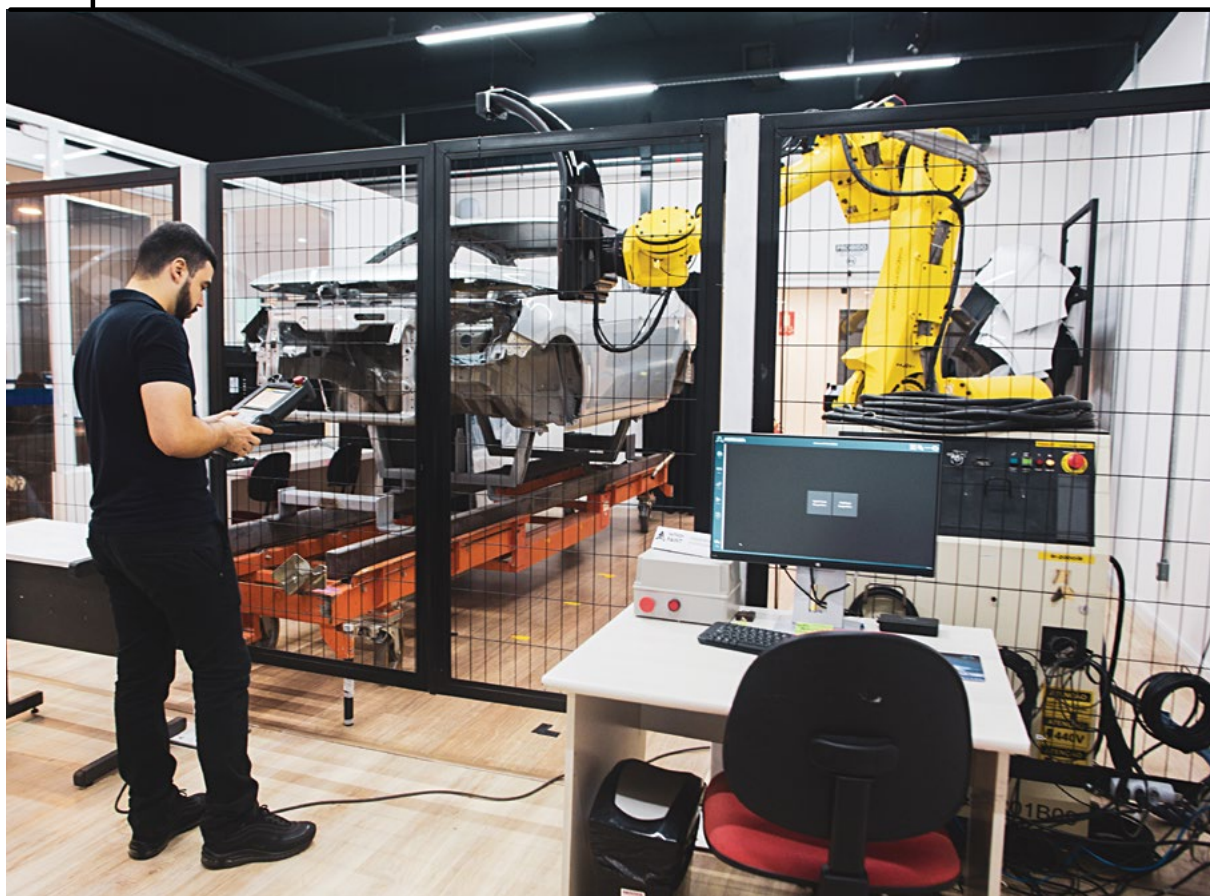
Bayer

The Park negotiated a partnership with the multinational Bayer for identifying good projects from universities linked to TechPark, still in its initial phase. **See more on page 43.**



The Park strengthens our image as an innovative company. Besides contributing to our visibility, most of our extensive partnership network was established by referral from the Technology Park. Among them, three projects and studies in partnership with São Paulo State University (Unesp); partnership with researchers from Federal University of São Paulo (Unifesp) to develop biosensors; with Institute for Advanced Sea Studies (IEAMar) for the use and maintenance of research equipment; with two startups to develop new products in the areas of agribusiness, dentistry, and medicine. We are participating in social projects, one for innovative solutions in the treatment of organic waste in São José dos Campos and another in the Amazon 4.0 project, also by indication of TechPark. Our next challenge is to produce at scale some products resulting from the research and, with the help of the Technology Park, we are participating in bid notices for funding proposals."

(Wilson Segala, chief commercial officer of Resix Invent)



Credits: Autaza

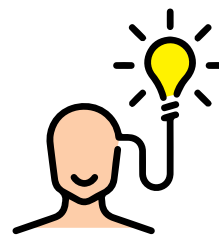
Project Management Office

The TechPark's Project Management Office was created to prospect, structure, perform, and implement technological development and innovation projects through cooperation among companies, RD&I institutions and universities. The Office also works to raise public and private funds in order to foster the performance of projects and guide the application of tax incentives, such

as the Good Law (Lei do Bem) and the Informatics Law.

Fundraising projects – The Technology Park offers assistance and support for applications to funding facilities for projects and research and can enter as a project partner if a manager is needed. It also connects companies and researchers to enable the development of projects and research that need to have several players to obtain resources.

Application of incentive laws - Companies that make innovation can use such incentives provided for in provisions such as the Good Law (Lei do Bem) and the Informatics Law. The TechPark team helps entrepreneurs obtain the grant.



Testbed on the Internet of Things

The Project Management Office coordinated the creation of the Virtual Testbed Platform on the Internet of Things, which involved the implementation of sensors in industrial machining machines, 3D printers, and industrial robots, generating a database that can be accessed by startups, information and communication technology companies, industries in various sectors, universities and, industries of various sectors, universities, and educational institutions. The data serves in testing for product validation, testing scientific theories and new ideas, testing with data, and developing proofs of concept.

The project was selected through the Invitation to Bid Fábricas do Futuro (testbed) of the Brazilian Agency of Industrial Development (ABDI).

The experimentation environment allows us to simulate a real testing space for new solutions, which can be replicated in the companies' production processes, enabling the development of experiments with real day-to-day conditions.

In 2019 and 2020, during the first stage of the project, the industrial machining machines, 3D printers, and robots in the Technology Park laboratories were instrumen-

ted with sensors. In the physical laboratories, it will be possible to simulate a real testing environment for solutions, which can be replicated in the companies' production processes and will enable the training of workers through experiments in which real day-to-day conditions will be tested and simulated in an innovative environment, leading to 4.0 technological knowledge and educational training.

Good Law (Lei do Bem)

TechPark was selected by the startup MondoDX to manage and monitor the development of a platform that inspects machines using artificial intelligence for the company Qualidados.

This support came through Catalisa Corp, an open innovation program from the National Association of Entities Promoting Innovative Enterprises (Anprotec) in partnership with Brazilian Micro and Small Business Support Service (Sebrae), to connect innovative micro and small businesses to medium and large companies.

The Park was selected to manage the project and also support the startup for the generation of evidence and reports focused on the Good Law (Lei do Bem) in order to guarantee the fiscal return of the investment made in the project by Qualidados.



Our companies in the 100 Open Startups ranking

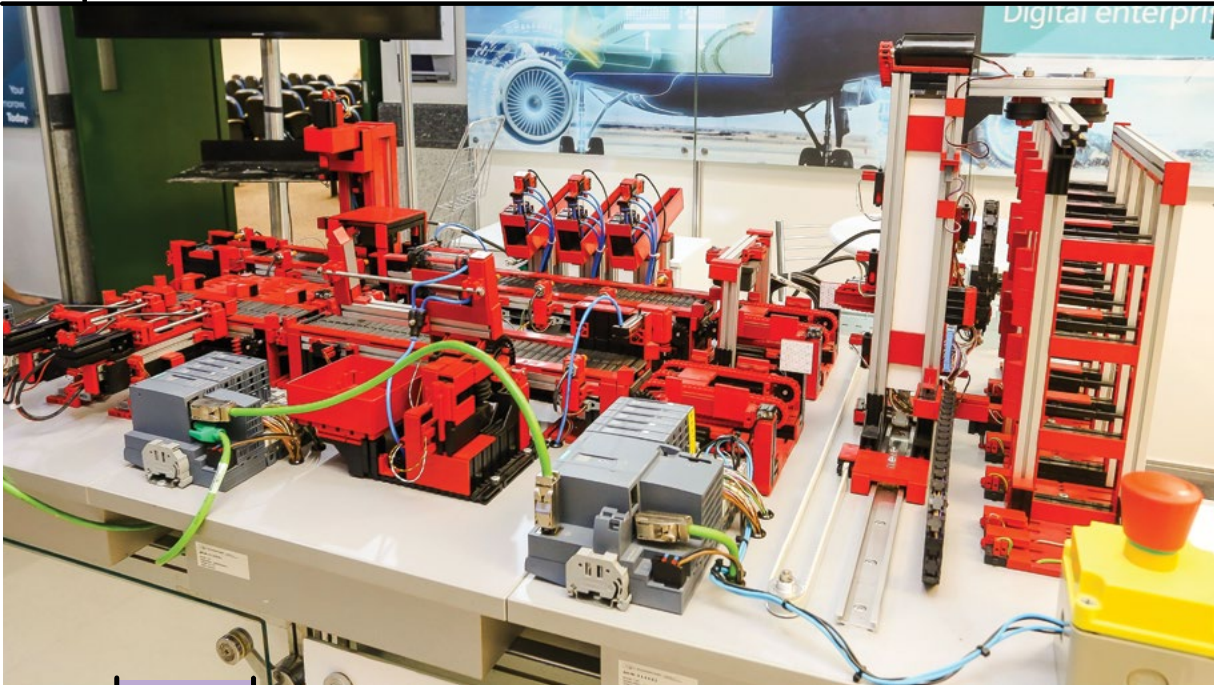
The 2020 100 Open Startups Ranking brought out the new economy companies that were most outstanding in performing open innovation with traditional companies.

Companies from the São José dos Campos Technology Park appeared in four categories of the ranking. Autaza, a startup created from Nexus, was among the top 10 companies in the Artificial Intelligence category. Lace, which is part of the Nexus Scale up, was awarded in the Productivity category. Dom Rock, which is in the Nexus PDI program, was selected among the top ten in the Big Data category. ProHouser, a company associated with Vale ICT Cluster, was among the top ten in the Internet of Things category.

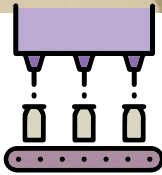


It is further proof of the quality of the companies installed and monitored by the Technology Park. To stand out among so many others is great merit"

(José Iram Barbosa, chief operating officer at TechPark)



Intelligent production line scale model at RM VALE TI



Technological Development Centers

The Technology Park has four Technological Development Centers (TDCs) in operation. Each center hosts a company or institution that acts as an anchor and presents the demands for technologies and services that must be developed by the other members. The TDCs are made up of organizations that are references in Brazil and abroad in their areas of activity. In this way, they develop and provide research and innovation for various sectors.

Technological Development Center of Civil Construction

In September 2019, TechPark signed a new partnership agreement with the Technological Development Center of Civil Construction (TDCCC). The partnership between the institutions aims to structure and execute actions to support technological development, entrepreneurship, and innovation in the construction industry throughout the Metropolitan Region of the Paraíba Valley.

São José dos Campos Technology Park, São José dos Campos Municipal Government, Association of Engineers and Architects of São José dos Campos, Association of Construction of the Paraíba Valley, Civil Construction Industry Union of the State of São Pau-

lo, and the educational institutions of Professional Education Center Hélio Augusto de Souza (Cephas), Aeronautics Institute of Technology (ITA), Federal University of São Paulo (Unifesp), and University of the Valley of Paraíba (Univap) are part of TDCCC.

Among the TDCCC's premises are to improve the construction processes, directly benefiting the user and the society, with an improvement in the quality of life; to encourage and generate innovative projects, acting as a link between product/system developers and the needs of the different players in the civil construction production chain, and to promote an intense technical relationship between the productive sector, academy, and the public sector.



Paraíba do Sul River in Queluz. Credits: Acervo_AGEVAP

Technological Development Center in Water and Environmental Sanitation

The CDTASA is conducted by TechPark in partnership with the Committee for the Integration of the Paraíba do Sul River Basin (CEIVAP), through its executive secretariat, the Association for the Management of Waters of the Paraíba do Sul River Basin (Agency of the Paraíba do Sul River Basin (AGEVAP)).

The Center was created to stimulate research, prospect innovation projects, and improve the sanitation and water treatment conditions in the cities of the Paraíba do Sul River. **Every information about the Center is on page 56.**

Automotive Technological Development Center at Jacareí

As already reported on page xx, the Technology Park signed in October 2020 a partnership agreement with the Municipal Government of Jacareí and with Caoa Chery for the development of the Automotive Technological Development Center at Jacareí.

Health Technology Innovation Center

The Health Technology Innovation Center (CITS) has the infrastructure for the development of health technologies, such as new materials and prostheses, image processing, laser diagnosis and treatment, ozone, structural analysis and characterization of organic molecules, and computer-assisted medicine among others. One of CITS' outstanding projects is the development of transcranial phototherapy for the treatment of Alzheimer's and Parkinson's diseases.

The Center acts in synergy with several teaching and research institutions in the country and with technology-based companies installed in the TechPark of São José dos Campos and in the region. Its partners are the Federal University of São Paulo (Unifesp), the São Paulo State University (Unesp), Anhembi Morumbi University (UAM), and the Santa Casa de Misericórdia of São José dos Campos.

CITS is coordinated by the Centre for Innovative Technologies in Education (CITE), a private, non-profit entity.



One of the biggest benefits of being in the Nexus to “fatten your goats” are the partnerships! Hundreds of companies and several Institutions are installed in the Technology Park, which can help your escalations in all processes. The Technology Park has connections with several hubs in Brazil and in the world. As soon as I joined, I mapped out the needs of the project and had several suggestions for partners that could help me. I hired trainees from Unifesp to develop the software for my product and manage the certification processes, all supervised by a Ph.D. in Biomedical Engineering. In parallel, I hired two companies that were being accelerated at Nexus. I have made an agreement with another company installed in the Corporate Center to outsource the production. Two other Nexus partner consultancies were responsible for designing my production, quality, sales, and customer service processes.”

(Admilson Marin, CEO of Expector Project)

Nexus

It is an environment for connecting startups, small, medium, and large companies, investors and educational institutions with acceleration and incubation programs that accompany startups from the ideation phase to scale and programs that encourage open innovation and connection among the ecosystem.

Nexus Startups

Appropriate follow-up programs for each stage of the business, from a

project on paper to the growth of startups.

Nexus Lab - It is the first step for entrepreneurs who want to get their ideas off the ground, still in the very early stages of development.

The entrepreneur can set up at the Coworking Nexus Startups and work alongside others developing projects with similar challenges.

There are specific mentorships and workshops, as well as events to stimulate the exchange of ideas and experiences.

Nexus Growth

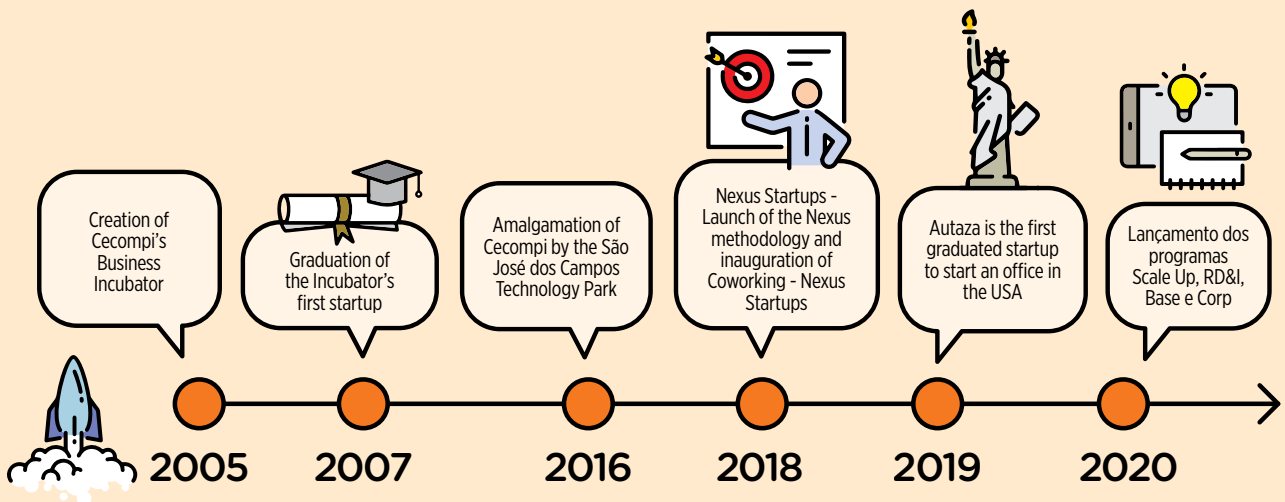
The entire follow-up program guides the entrepreneur to reach the product-market fit and facilitates the connection with investors and structuring for healthy growth.

Growth Tech - Incubation for startups that innovate through technological development. The startup can be incubated for up to 2 years.

Growth Digital - Acceleration for digital startups that innovate their business model. The startup can be accelerated for up to 1 year.



NEXUS TIMELINE





Selection Processes

Startups can be part of the Nexus Program through selection processes whose applications are open twice a year and announced in all the communication channels of the Technology Park.

BATCH#13

103

REGISTERED

37

SELECTED

BATCH#14

85

REGISTERED

21

SELECTED

BATCH#15

93

REGISTERED

22

SELECTED

BATCH#16

89

REGISTERED

19

SELECTED

Graduation

Every year Nexus holds a graduation ceremony for startups that succeed in bringing their product or service to market, that is, reach product-market fit. After the ceremony, they become part of the Nexus Scale up.

2019

5 STARTUPS GRADUATED

2020

12 STARTUPS GRADUATED

Total: 54

STARTUPS GRADUATED
SINCE 2005

NEXUS GROWTH
SUCCESS RATE:

61%



We brought the operation of the aerostats to the Park, which allowed us to continue innovating and improving processes. In addition, I can highlight two major achievements of Altave through this partnership: the entry of investment funds into the company and the conclusion of an agreement for the distribution of our products in Europe. We recently hosted a team of foreign clients that highly praised the Park's structure."

(Leonardo Nogueira, chief marketing and sales officer at Altave)

Learn more at:
<https://pqtec.org.br/startups>





2019: Startups from Nexus receive investments from Anjos do Brasil (Brazilian Business Angels)

Among the 24 startups chosen in 2019 to receive investments from Anjos do Brasil two were born in Nexus: Lá Vem Bebê and Fórmula XR.

Anjos do Brasil is a non-profit organization with the goal of fostering the growth of angel investment to support Brazilian innovation entrepreneurship. It has a network of 440 investors - 80% of them have invested in startups.



Michel Zreik, CEO at Lá Vem Bebê. Credit_ Lá Vem Bebê

Lá Vem Bebê - an online platform for baby shower gift lists and marketplace for children's products - had access to Anjos do Brasil through Nexus. The company's CEO was introduced at the Technology Park to the leader of Anjos do Brasil in Paraíba Valley.

Fórmula XR highlighted at the time the importance of being inserted in an environment like TechPark: Being a resident of the Park helps in the credibility with the investors. Fórmula XR was incubated at Nexus and today resides at the Corporate Center II, where it develops interactive multiuser virtual reality environments.



Representatives from TechPark and the São José dos Campos Municipal Government with the startups graduating in 2019



The partners of Hi! Healthcare with investor João Kepler in 2020. Credits: Divulgação_Hi!Healthcare

2020: Contributions to healthtechs

Compre Sorrindo received a contribution of R\$ 500,000 in two tranches. The first, of R\$ 350,000, occurred in early 2020. The other of R\$ 150,000, in July of the same year. The rounds were made by Anjos do Brasil investors, who evaluated the startup at R\$ 6 million.

The company is the first purchasing platform in the country focused on dental products, created to reduce costs and optimize resources for dentists, in addition to leveraging the sales of suppliers. The startup graduated from Nexus Growth Digital in December 2020.

Reality Show - Hi! Healthcare Intelligence accelerated at Nexus, won in November 2020 the investment round in the show O Anjo Investidor, presented by João Kepler, one of the top business angels in Brazil.

The startup received a contribution of R\$ 150,000, classified as pre-seed, strategic to prepare and structure the company in order to achieve its growth objectives. Besides money, the entrepreneurs will count on the investor's experience and networking, which will accelerate the company's maturation process. Hi! offers predictive analytics solutions to determine the prognosis and treatment of each patient.



How to be part of TechPark?

Entrepreneurs with an idea

Nexus Lab selection process
(all year)

Startups

Open selection processes in
March and August

Technology-based companies or RD&I offices of large companies

Open selection process all
year round

Learn more at:
<https://pqtec.org.br/en/institutional/bring-your-company-to-pqtec/>





Nexus companies

Nexus also accompanies and supports companies of various sizes, from micro-enterprises to large brands.

Nexus Scale up - For startups in the traction and scale-up phase, designed to accelerate business growth in a synergistic eco-collaborative environment. Programs and initiatives are focused on the expansion and diversification of the portfolio; development of new products, services, and innovative production methods; attracting and retaining talent and accessing new markets.

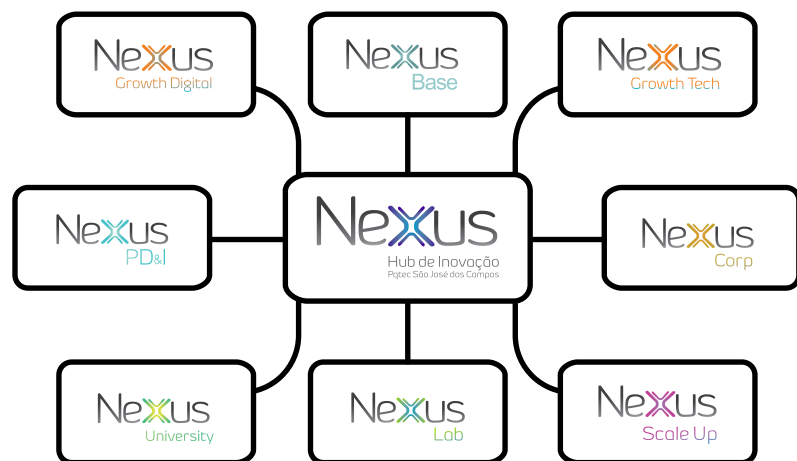
Nexus RD&I - For consolidated companies that wish to have their research, development, and innovation center in the Technology Park and boost their results.

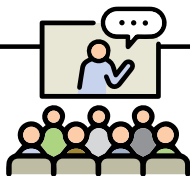
Programs and initiatives are focused on interaction with companies and institutions; connection with startups, and access to the development of facilities and tax incentives.

Nexus Base - Connects service companies and other institutions to startups and companies in

the TechPark environment. The programs and initiatives aim to facilitate the access of service providers to the connected companies to the Park.

Nexus Corp - Connecting startups and companies to accelerate the process of open innovation, **as reported on page 27.**





Events held for Nexus companies and startups in 2019 and 2020:

TECHTALKS	16
WORKSHOP FRIDAY	54
MONTHLY MEETING	19
PIZZA DE QUINTA PAPO DE PRIMEIRA	7
MEETING WITH CORPORATES	5
PITCH STOP LAB	17
NEXUS SUMMIT	2
TOTAL	120

Monthly meetings - Three themes throughout the year: Perfect Pitch | Solution Brainstorming | What are you the one at?

Workshop Friday - Topics such as validation, MVP, digital marketing, finance, spin selling, and investments are covered

Tech Talks - Monthly meeting to share technical knowledge, mainly software development

Pizza de Quinta Papo de Primeira - Meeting of entrepreneurs open to the community

Participatory Planning Workshop - Held annually to diagnose needs and plan actions in: business management, program management, infrastructure, and partnerships



Monthly meeting held in 2019

“ The Technology Park has helped us with several initiatives that, without support, we would not have the knowledge to carry out. Through Nexus, which attended the growth stages of our business in a customized way, we were able to capture investment and execute new contracts.”

(Renan Padovani, CEO at Autaza)

Learn more at:
<https://pqtec.org.br/en/companies/>



Training and knowledge generation

The existence of TechPark contributed to substantially increase the offer of higher education and postgraduation vacancies in São José dos Campos, mainly public and free of charge, for the formation of qualified labor and scientific and technological research.



UNIVERSITIES IN THE TECHPARK*:

São José dos Campos Technological College (FATEC)

São Paulo State University "Júlio de Mesquita Filho" (UNESP)

Federal University of São Paulo (UNIFESP)

Virtual University of the State of São Paulo (UNIVESP)

Anhembi Morumbi University - CITE Cooperation

Sao Paulo School of Economics at Fundação Getulio Vargas (FGV/EESP)

*from 2019 to 2020



Universities
in 2020

4,137
STUDENTS
ENROLLED

190
PAPERS IN
CONGRESS

1,660

JOB TITLES IN THE
1ST YEAR IN 2020

3

PATENTS

298

PUBLISHED
ARTICLES



ICT_Unesp facade in PqTec

Courses

FATEC	
TECHNOLOGY IN SYSTEM ANALYSIS AND DEVELOPMENT	Graduation
DATABASE TECHNOLOGY	Graduation
AUTOMATION AND DIGITAL MANUFACTURING TECHNOLOGY	Graduation
TECHNOLOGY IN INDUSTRIAL PRODUCTION MANAGEMENT	Graduation
DISTANCE LEARNING BUSINESS MANAGEMENT TECHNOLOGY	Graduation
LOGISTICS TECHNOLOGY	Graduation
ADVANCED MANUFACTURING TECHNOLOGY	Graduation
AIRCRAFT MAINTENANCE TECHNOLOGY	Graduation
AERONAUTICAL PROJECT STRUCTURES TECHNOLOGY	Graduation
ANHEMBI-MORUMBI - CITÉ	
BIOMEDICAL ENGINEERING	Master's Degree and Ph.D.
UNESP	
ENVIRONMENTAL ENGINEERING	Graduation
NATURAL DISASTERS	Master's Degree and Ph.D.
UNIVESP	
COMPUTING CENTER	Graduation
GRADUATION CENTER	Graduation
PRODUCTION ENGINEERING	Graduation
MATHEMATICS DEGREE	Graduation
PEDAGOGY	Graduation
TECHNOLOGY IN PUBLIC MANAGEMENT	Graduation
PRODUCTION ENGINEERING	Graduation
UNIFESP	
INTERDISCIPLINARY IN SCIENCE AND TECHNOLOGY (BCT)	Graduation
BIOTECHNOLOGY (BACHELOR'S DEGREE)	Graduation
COMPUTER SCIENCE (BACHELOR'S DEGREE)	Graduation
COMPUTATIONAL MATHEMATICS (BACHELOR'S DEGREE)	Graduation
BIOMEDICAL ENGINEERING (BACHELOR'S DEGREE)	Graduation
COMPUTER ENGINEERING (BACHELOR'S DEGREE)	Graduation
MATERIAL ENGINEERING (BACHELOR'S DEGREE)	Graduation
BIOTECHNOLOGY	Master's Degree and Ph.D.
COMPUTER SCIENCE	Master's Degree and Ph.D.
BIOMEDICAL ENGINEERING	Master's Degree
MATERIAL SCIENCE AND ENGINEERING	Master's Degree and Ph.D.
TECHNOLOGY INNOVATION	Master's Degree
PURE AND APPLIED MATHEMATICS	Master's Degree
NATIONAL NETWORK MATHEMATICS	Master's Degree
OPERATIONAL RESEARCH	Master's Degree and Ph.D.

New courses

In 2019, the Master's Degree and Ph.D. of the Postgraduate Program in Natural Disasters were launched, the result of a cooperation between TechPark, Unesp, and the Center for Natural Disaster Monitoring and Alert (Cemaden).

Also, in 2019, the Sao Paulo School of Economics at Fundação Getulio Vargas (FGV/EESP) signed a partnership agreement with TechPark to develop initiatives related to teaching and research.

The first action was the Professional Master's Degree in Finance and Economics, whose first-class started in February 2020.

In August 2020, the Park signed a partnership agreement with Santo Antônio College, which will have a unit in TechPark starting in 2021 with the following graduation programs: administration, accounting science, law, nursing, and psychology.

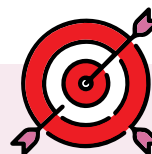
Federal Institute of São Paulo

The Technology Park signed in September 2019 a Partnership Agreement with the Federal Institute of Education, Science and Technology of São Paulo (IFSP). According to the term, students from IFSP's São José dos Campos campus can use the infrastructure and development projects in TechPark's laboratories.

University-Company Connection

Created in 2019, Programa Colmeia (the Hive Program) brings together initiatives to integrate universities and companies and insert graduation and postgraduation final-year students into the professional environment, with encouragement for technological entrepreneurship.

The focus is always on developing projects and research aligned to market demands.



PURPOSES:

- Improve communication between all the involved
- Promote integration with companies and institutes present at TechPark (in internships and in the articulation of innovative projects)
- Promote immersion in research and innovation environments
- Stimulating the creation of study groups and technology development
- Portfolio construction
- Qualification of human resources



TechPark executes an agreement with Santo Antônio College in 2020



Online event with Campus B



Technology 360 Desk

Other actions:

Technology 360 Desk - one round among companies and researchers from several areas to identify projects that can be applied in the market.

Advanced qualification courses - in partnership with educational institutions, TechPark offers enhancement courses, specialization, master's degree and Ph.D. (academic and professional).

Data Science Enhancement Course

The São José dos Campos Technology Park, in partnership with the Aeronautics Institute of Technology (ITA), consolidated in 2020 the Data Science enhancement course, which will be taught through online platforms, with live classes.

The main themes of the program are: Database Techniques; Artificial Intelligence; Machine Learning; Deep Learning, and Big Data.

The course is aimed at professionals with degrees in the areas of exact sciences or economics. The program is completely focused on the needs of the market and contributes directly to the professional growth of developers and tool operators in the field of data science.

The course is scheduled to begin in April 2021.

Good projects for the market

Programa Colmeia has a partnership with the multinational Bayer and held the first edition of the Awards of Bayer, which took place in August 2020 and was created to identify good projects from universities linked to TechPark, still in its early stages. The award received 21 applications and had three winners:

Nanotechnology Repellent (Unesp) - mosquito repellent that can be used by more sensitive people, such as babies and pregnant, using nanotechnology and natural and synthetic components.

Material Selection and Development, Process Optimization (Unifesp) - data evaluation, by means of engineering software, to find the most suitable material for the customer's project, which meets the

demand requirements and has the best cost-benefit.

3D Pet (Unifesp) - manufacture of prosthetics and wheelchairs for disabled animals or animals with locomotion problems using 3D printers.

The winners were given access to TechPark's development track and entered the Nexus Lab - the first phase of the startup mentoring program at the São José dos Campos Technology Park.

Campus B

In June 2020, the São José dos Campos Technology Park signed a partnership with Campus B, a company specialized in international education focused on connecting universities and students to opportunities around the world.

The first projects took place with chemical, aerospace, and computer engineering graduation at Universities Urbana-Champaign Illinois, Texas Tech, and Insper.

In the course of the online internship, students were mentored by TechPark staff to create a support project or generate new projects for the Technological Development Centers.

The internship started on June 22 and lasted two months. During this time, the students from the universities virtually knew TechPark's structure and the opportunities for assistance, support, and development of joint projects.

Internationalization Program

TechPark is a global hub for business, development, and cooperation, an environment that generates, attracts, and exports innovation and technology and attracts and facilitates the insertion of resident and associated companies in the international market.

In 2020, a survey carried out with the companies in the Park identified the difficulties of companies in this sector and motivated a readjustment of the program in order to serve them in a more assertive way.



ATS participated in internationalization cycles of StartOut Brasil in 2019. Credits: Divulgação_ATS



SEARCH DATA

82 %

OF TECHPARK COMPANIES
ARE INTERESTED IN
INTERNATIONALIZING

18 %

HAS SOME
INTERNATIONALIZATION
STRATEGY

MAIN DIFFICULTIES

- Attracting investments and identifying the target market
- Establishment outside the country
- Access to financing and support services in the target country

The Technology Park has initiatives aimed at internationalization for different company and institution profiles. The goal is always to build bridges with potential partners. In this way, companies are shown who the partners are and the opportunities they may have, offering possibilities and paths for the company to follow.

Soft-landing

For foreign companies that want to do business in Brazil

Foreign companies can use shared spaces, meeting rooms, and laboratories for six months and receive free guidance on doing business in the country.

Besides offering structure to companies that want to settle in Brazil, the Technology Park has initiatives and is present in several events, with the objective of attracting investments to the region.

TechPark is accredited as an ENRICH Soft-landing Hub in Brazil: is a support hub for European companies that wish to do business or settle in the country. Thus, it carries out connection actions, and international partnerships with technology parks all over the world, organizes pitches between companies and institutions and provides training for innovation and research.

The Park is present in the main events of the global innovation ecosystem and sectors of interest, always looking for opportunities to show the attractiveness and dynamism of its innovation environment, besides highlighting the strength of the region.

In June 2019, it participated in the 3rd Global Aerospace Cluster Summit, hosted by the European Aerospace Cluster Partnership (EACP). During the event, the Brazilian Aerospace Cluster can present the sectorial project "Aerospace Brazil", subsidized by Apex-Brasil, and approach the actions of the Brazilian group foreseen for the next two years.



In 2020, TechPark participated in the webinar Changes in Aerospace Around the World, an event held by the Pacific Northwest Aerospace Alliance (PNAA) Cluster, located in Seattle (USA).

Smart Take Off

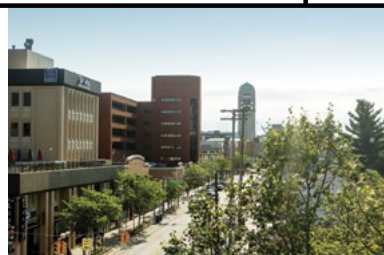
Support for startups, micro and small business to internationalize

- Connection with international institutions
- Consultancies
- Disclosure and mapping of calls, opportunities, and funding for internationalization
- International program of fairs and congresses most relevant to the profile of resident and associated companies. Through agreements, it organizes and finances groups of exhibitors
- Promotion and organization of business meetings and B2B rounds
- Capacity building actions (training, workshops, mentoring)

A global environment

In 2019 and 2020, the Park received visits from several parts of the world in search of opportunities for project development, partnerships, and new business

- Denmark Consulate Delegation
- MBA Students at the University of Illinois (USA)
- Representatives from Business France and French space institution
- Aerospace Cluster Delegation in Queretaro, Mexico
- Representatives of the Russian Consulate Generala
- Israel Innovation Agency - INNA-ImC
- Saudi Arabian Government Delegation
- Representative of the University of Évora and the Scientific and Technology Park of the Alentejo, Portugal
- Turkey Delegation
- Chinese Business Mission
- Military delegation from Egypt
- Indian Ambassador



City of Ann Arbor, Michigan (USA)
Credits: Disclosure

Startup for the world

In 2019, TechPark approached the Ann Arbour Spark in Michigan (USA), with whom it signed a cooperation agreement for the internationalization of startups. With his support, the company Autaza became part of the internationalization program of the US Park by means of soft-landing, and since then has been developing projects in the USA.

Autaza started its career at Nexus Growth and is now a resident at the Park. It is specialized in solutions for quality inspection in Industry 4.0 through proprietary and patented technologies involving computer vision and artificial intelligence.



TechPark receives business mission visit from Turkish delegation in 2019



TechPark receives business mission visit from Turkish delegation in 2019



Institutional visit from India

Global Insertion

The Park is present in several international connection platforms: Land2land (from the National Association of Entities Promoting Innovative Enterprises - Anprotec), Connection Bureau (from the Brazil-Canada Chamber of Commerce) and Enterprise Eurolodging (from the Association of Technology Parks of Spain).

In addition, he is always involved with the promotion and hosting of events with ecosystems and strategic partners around the world. As an example,

we can mention the partnerships with the Northeast Indiana Innovation Center and the Ann Arbor Spark, both in the USA.

The Park organizes and promotes visits and business trips - these are institutional missions to identify market regions of interest to its companies.

Companies connected to TechPark also have other benefits: they can use Hub55's offices in the USA and Holland, with which the Park has partnerships, IT companies are assisted by Softex - Associação para

Promoção da Excelência do Software Brasileiro (Association for Promotion of Brazilian Software Excellence), they have bilingual administrative support, access to the East Coast market of the USA and Canada, and networking with investors, associations, and government entities.

It is also worth mentioning that TechPark is a member of the International Association of Science Parks and Areas of Innovation (IASP) and an active participant in discussions and events to promote innovation companies and environments.



International partnerships established in 2019 and 2020

- Apex Agreement - Aerospace Brazil Sectorial Project
- Cooperation Agreement with the Israeli Innovation Agency
 - Memorandum of Understanding aimed at promoting science, technology, and innovation with the Norwegian-Brazilian Chamber of Commerce
 - Memorandum of Understanding with Northeast Indiana Innovation Center (NIIC)

Focus on the international market

Fórmula XR, a company that was born and is located in the TechPark, began its internationalization process in 2019 by means of an opportunity identified and indicated by the Park - the StartOut Brasil.

StartOut Brasil is a program to support the insertion of Brazilian startups in the most promising innovation ecosystems in the world. It is conducted by Agência Brasileira de Promoção de Exportações e Investimentos (Apex-Brasil) (Brazilian Trade and Investment Promotion Agency), in partnership with the Brazilian Ministry of Foreign Affairs (MRE), the Brazilian Ministry of Economy, Sebrae, and Anprotec.

With the StartOut, Fórmula XR intensified networking abroad, with visits to Silicon Valley companies and approval to participate in InovaCorp's incubation program in Canada.

The support of the Technology Park's internationalization program was essential for the company to gain credibility abroad with important businesspersons.

The company ATS - Aerothermal Solutions, connected to the TechPark by means of the Vale ICT Cluster, took part in two internationalization cycles of StartOut Brasil, in Miami and Boston (USA). In these opportunities, it promoted the technologies it develops and presented its service solutions to several groups of investors.

The company highlights the Park's participation in other actions focused on internationalization: the ATS team was at the Aerospace and Defense Supplier Summit in Seattle (USA) with the Technology Park with Apex-Brasil's support. It also took part in missions with companies from Austria and Italy and in events in the oil and gas sector, such as the Maricá oil pole.



Roundtable with Vale ICT Cluster's members

Industry Clusters

Network economics to stimulate business

Groups of companies and enterprises located in the same territory that have a productive specialization, some type of governance, and maintain bonds of articulation, interaction, cooperation, and learning among themselves and with other local players.

The text above is the definition of Industry Clusters. The clusters aim to help the development of the regional economy, as part of a state policy. This kind of initiative is part of a great way to grow business in the 21st century: through network economics.

São José dos Campos Technology Park is responsible for the management of two Clusters:



Brazilian Aerospace Cluster, the most relevant aerospace cluster in Latin America.



Vale ICT Cluster, Information and Communications Technology Cluster of the Paraíba Valley.







State of São Paulo recognizes the Clusters and renews their registration

On May 29, 2020, the São Paulo State Government, through the Economic Development Office, released the result of the Cluster Recognition and Registration Renewal Process, approving/recognizing once again the Vale ICT Cluster and the Brazilian Aerospace Cluster.

With the renewal, Vale ICT Cluster and the Brazilian Aerospace Cluster are qualified to obtain strengthening policies, participate in promotion invitations, access credit facilities specific for member companies, and participate in requests for proposals and other projects promoted by partner entities.

The Clusters act on several fronts:

 <p>BUSINESS OPPORTUNITIES</p>	<ul style="list-style-type: none"> → Market intelligence → Access to RD&I projects → Access to national and international markets: fairs, missions, B2B Meetings and attraction of direct investments → Visibility: dissemination through online portfolio and media <ul style="list-style-type: none"> → Business intermediation → Access to public and private financial institutions → Support for export and internationalization
 <p>ACCESS TO THE TECHPARK ENVIRONMENT</p>	<ul style="list-style-type: none"> → Access to startups and companies in the Park → Actions with the technological development centers → Access to laboratories → Integration of companies with universities <ul style="list-style-type: none"> → Public and private development/investment projects → Access to specialized advisors → Partnerships with other institutes
 <p>CONNECTION AND NETWORKING</p>	<ul style="list-style-type: none"> → Bimonthly meetings → Fairs → Missions → B2B Meetings → Training <ul style="list-style-type: none"> → Business verticals → Networking visits → Industry events → Intracluster and intercluster cooperation
 <p>BUSINESS MATURITY DEVELOPMENT</p>	<ul style="list-style-type: none"> → Training → Certification support → Business consulting



First meeting of 2020 with the Brazilian Aerospace Cluster members

Brazilian Aerospace Cluster

The Brazilian Aerospace Cluster was formed in 2006 to consolidate the aerospace and defense productive chain in Brazil. By joining the strength of all companies in the segment in a large collaboration and synergy network, the Cluster stimulates competitiveness in the local and global markets and strengthens businesses of all sizes.

The Brazilian Aerospace Cluster is recognized as the most important one

in Latin America. It brings together over 100 companies in the sector, representing approximately 15,000 jobs, and it is backed by Embraer, the third-largest aircraft manufacturer in the world.

The Cluster's companies operate mainly in the areas of engineering, avionics, tools, logistics, industry and manufacturing, defense, security, and space.

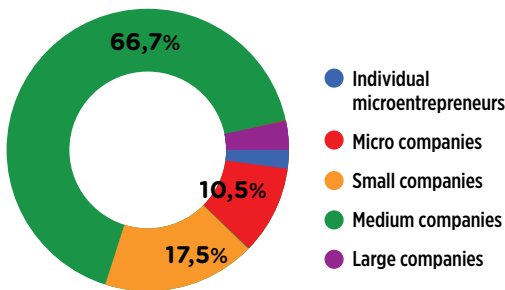
To achieve its goal, the Brazilian Aerospace Cluster has actions focused on training and qualification, internationalization,

fundraising, and support for technological innovation. It also promotes B2B Meetings and national and international trade missions, carried out by its own initiatives or by agreements with public and private institutions. Consulting services, as well as access to market intelligence studies, are also facilitated for Cluster member companies.

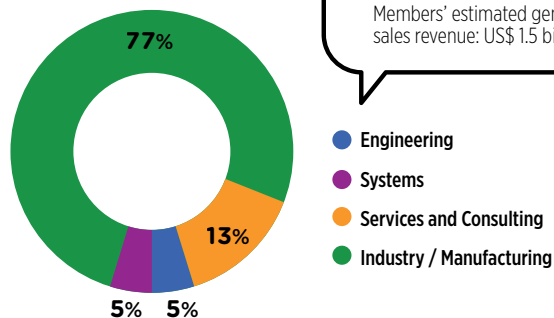
Learn more at:
<https://pqtec.org.br/en/projects/brazilian-aerospace-cluster/>



Size of the companies



Areas of Operation



15.000
JOBS

Members' estimated general sales revenue: US\$ 1.5 billion

- Engineering
- Systems
- Services and Consulting
- Industry / Manufacturing

Nadcap

The Cluster has been offering the Nadcap Accreditation Program to its members since 2018. The National Aerospace and Defense Contractors Accreditation Program (Nadcap) is an approval of processes required by the aerospace industry worldwide in order to improve quality and reduce production costs while maintaining the levels of excellence in the aerospace and defense sectors. Large customers in the supply chain, such as Embraer, Boeing, and Airbus, require this seal for several processes.

Some members were accredited in 2018. In 2019, Alltec reaccredited the painting process and obtained accreditation for ultrasonic non-destructive testing. Tecplas was accredited for the painting process, and Inbra was accredited for

ultrasonic non-destructive testing.

In the second half of 2020, the Cluster began a new phase of the program. This time, the focus of the actions is for the accreditation of the commodity Aero Structure Assembly (ASA).

Nine companies are part of this new phase, and they undertake the responsibility to become certified by the second half of 2021.

MRO

The Cluster held two seminars on Aircraft Maintenance, Repair, and Overhaul (MRO) in 2020, bringing the trends and challenges of this segment for the next ten years.

The action is part of a strategy to insert the member companies in this market. In phase 1, a subsidized diagnosis of the companies will be

carried out to identify their maturity level to operate in this segment.

International performance

To expand the presence of its companies in the global market and promote networking, the Brazilian Aerospace Cluster has cooperation agreements with the Aerospace Cluster Sweden; the European Aerospace Cluster Partnership, which brings together 46 European aerospace clusters; the Netherlands Aerospace Group (NAG), in the Netherlands; the Aerospace Industries Association of Canada (AIAC), the Aerospace Valley and Astech, in France; the Baja Aerospace Cluster, in Mexico, the Pacific Northwest Aerospace Alliance (PNAA), in the USA, and with the Government of Zhuzhou, in China.



60% of the companies in the Aero Cluster have established relationships with other countries for export, commercial partnerships, research, and cooperation

Relationship/Export to Spain, France, USA, England, Israel, Japan, Canada, China, Italy, Mexico, Germany, Thailand, Portugal, Sweden, Turkey, Poland, Belgium, Chile, Peru, Argentina, Colombia, United Arab Emirates, and Honduras.



TechPark welcomes the Brazilian Space Agency delegation in 2020

Space Activities

According to the Brazilian Space Agency, the global space economy is expected to reach a value of US\$ 1 trillion by 2040, and that the market for launch vehicles alone will reach close to US\$ 20 billion by 2030.

In view of this opportunity, the Cluster has intensified actions to arouse interest among companies. In addition to helping member companies enter the new space market, the Cluster also participates in the national debate about the sector.

It is an important player in events and meetings and is frequently invited to provide input to the new National Policy for Development of Space Activities (PNDAE - Política Nacional de Desenvolvimento de Atividades Espaciais), coordinated by the Brazilian Space Agency. The data will help compose the strategic guidelines for the Brazilian space segment.

Foreign Direct Investment in the aerospace sector

In 2020, São José dos Campos was ranked by the British newspaper Financial Times as the third city in the world in Foreign Direct Investment in the aerospace sector, in a ranking published in the fDi Intelligence Magazine, a publication of the newspaper specialized in the subject. According to the article that presents the cities, São José's ranking is due to the Brazilian Aerospace Cluster, which "encourages cooperation and promotes social and economic development".

The magazine mentioned cooperation agreements of the Cluster and the São José dos Campos Technology Park.

“ The prestige of the Brazilian Aerospace Cluster and TechPark opens up opportunities. During LAAD [Leading Latin American Defense and Security Exhibition], TechPark connected us with authorities in the defense area so we could present high frequency and optical fiber connection solutions. It was the first step for us to enter into a contract with the Brazilian Army, which is our main client nowadays.”

(Alan Cepinho, Sales Manager at Rosenberger Domex)

“ The Brazilian Aerospace Cluster was crucial for us to reach the mark of 70% of our sales revenue coming from abroad. We received support in B2B Meetings and international events that were strategic to connect us with the companies that are now our clients.”

(João Vernini Filho, Marketing and Sales Director, Avionics)

“ The Cluster has been fundamental in strategic approaches. It coordinated a meeting between companies and the São Paulo Government in which a workgroup was created to solve the main issue of the defense companies, among which is the search for solutions to the export guarantee fund.”

(Maurício Antoniazzi, Mac Jee's Sales Manager)



Delegation of companies connected to the TechPark at the Paris Air Show in 2019



AEROSPACE BRAZIL

Aerospace Brazil

The Technology Park is also the executor of the Aerospace Brazil Sectorial Project, in partnership with Apex-Brasil.

The Aerospace Brazil project's proposal is to receive companies from the sector all over the country to encourage the internationalization and export of products and services.

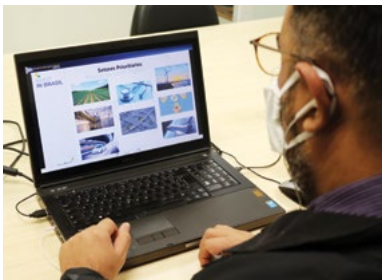
In 2020, business intelligence studies focused on the aerospace market in the United States of America and Europe were conducted.

From the data obtained, projections were made to identify international business opportunities, helping the

managers of Brazilian companies to make strategic decisions.

The project also created the Invest in Aerospace Brazil program, a set of actions to attract investments and stimulate foreign business in Brazil. Throughout 2020, thirty Brazilian companies were selected and are being promoted to other clusters and technology parks around the world and invited to participate in business rounds and matchmaking sessions.

The entrepreneurs participated in business rounds during the 7th RM VALE TI and the Sweden Innovation Week, held in October and November, respectively.





ACTIONS

- Commercial promotion at the 2019 Paris Air Show
- Prospective mission at the 2019 NBAA Business Aviation Convention & Exhibition (NBAA-BACE)
- Business Intelligence Studies (USA and Europe) - sent to the project participants and presented in a webinar in 2020
- Invest in Aerospace Brazil - investment promotion program
- Portfolio of 30 member companies
- Participation in the 2020 Brazilian Space Industry Forum (Fórum da Indústria Espacial Brasileira)
- Participation in the 2020 Innovation Week
- Commercial promotion at the 2020 Aeromart Toulouse, held online



DATA

NUMBER OF ASSISTED COMPANIES

53

NUMBER OF EXPORTING COMPANIES

14

PROJECT EXPORT

US\$53.03 mi

EXPORT DESTINATION

19



DESTINATIONS

Top 5 destinations (US\$ FOB*)

FRANCE	31 mi
SPAIN	8 mi
GERMANY	7 mi
POLAND	1 mi
USA	1 mi
	0 mi 20 mi

*Free on board

Learn more at:
www.aerospacebrazil.com.br/en



Information and Communications Technology APL

The Information and Communications Technology Local Productive Arrangement (ICT Cluster) brings together more than 80 companies in the sector in search of growth, exchanging experiences, business expansion, and opening of new markets, including abroad.

They are highly qualified companies that offer information and communications technology solutions in their most varied segments for four areas: smart cities, agribusiness, retail, and industry 4.0.

The APL fosters actions for technical, managerial, and marketing training of the member companies, such as courses, participation in fairs, and B2B Meetings.

ICT Cluster is also responsible for the RM VALE TI, one of the main technology and innovation events in the country, with an exhibition, congress, and B2B Meetings.

Find out more about the event on pages 22 and 68.



We participated in several B2B Meetings, several qualifications, and received several hours of consulting in various strategic areas of our company. Without a doubt, as members of the VALE ICT CLUSTER, we have become more competitive and reached a higher level of maturity as a company.”

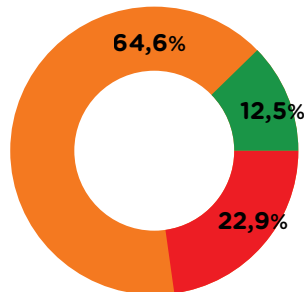
(Rogério Alves Marinho, Youtan's CEO)

2,000

JOBS

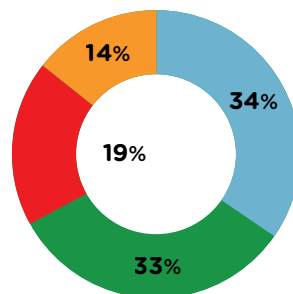
Annual global sales revenue of R\$ 500 million

Companies profile



- Individual microentrepreneurs
- Micro companies
- Small companies
- Medium companies

Areas of operation



- Agribusiness
- SmartCities
- Retail
- Industry 4.0



OTHER ACTIONS OF THE APL TIC

- IoT applications and Industry 4.0 workshop with resident companies and representatives of the German company P3 Group. In addition to a round of presentations, there was a workshop on opportunities of industrial applications with IoT, AI, and Industry 4.0
- Pitches with solutions for Industries 4.0 on internet of things and artificial intelligence
- Pitches with e-commerce retail solutions
 - Participation in the Technology Vocational Program, held by Sebrae
 - National mapping of solutions for smart cities, in order to contribute with new technologies for more efficient public administration
- Participation in the Capture The Flag (CTF) cybersecurity training, held by the Brazilian Agency for Industrial Development (ABDI - Agência Brasileira de Desenvolvimento Industrial)

Learn more at:
<https://pqtec.org.br/ictcluster>



Partnerships and new business opportunities

VALE ICT Cluster organizes agendas for large companies to get to know the high level of companies that develop IT solutions. One of the ways to present the solutions are pitches. Cebrace, Latecoère, Bali Corporation, Nestlé, and Maxichem attended members' pitches throughout 2019. The APL also held a SmartCities Technology Roundtable, with the participation of seven municipal governments.

Brazilian APLS Network

VALE ICT Cluster headed the creation of the Brazilian TIC APLs Network in 2020, which aims to articulate the APLs in favor of joint actions to stimulate the information technology sector. During this period, four webinars were held with topics on labor law, market, cloud, and cybersecurity.



MRO training in 2019 with participating companies



360 Desk, in-person, in 2019



Business office

To create growth mechanisms and strategic partnerships for the companies by means of an exclusive service network. This is the goal of the Business Office, a program applied inside TechPark that connects companies to a specialized network of consultants accredited by the TechPark's team, promoting support, consulting, and training for member companies, either connected to or outside the TechPark.

The Park's portfolio has 53 companies that operate in strategic areas for the development of companies of all sizes that are invited throughout the year to promote free events for information and training of companies and institutions connected to the Technology Park.

53 COMPANIES

SERVICES IN EIGHT AREAS:

LEGAL COUNSELING

FUNDRAISING

COMMUNICATION
AND MARKETING

ACCOUNTING

PATENTS AND TRADEMARKS

PROCESS PLANNING
AND MANAGEMENT

HR AND PEOPLE MANAGEMENT

SUPPLY CHAIN

Connection events

360 Desk - Management and Business: free consulting and networking round for connected companies. In 2019 and 2020, there were four editions in each year, with 430 and 180 companies served, respectively.

Training events: workshops, training, and lectures with topics focused on the market demands. In 2019, six events were held and, in 2020, ten events, which received in total more than 400 participants.

“ Participating in the Vale ICT Cluster is a way to expand our connections. A good example is that we were able to get close to the municipality of Santo Antônio do Pinhal with the support of the APL: in 2020, we were able to develop a geo-intelligence solution to monitor and act against possible Covid-19 cases in the city.”

(Fernando Leonardi, GeoPixel's CEO)

“ Our association with Vale ICT Cluster becomes more important every year. It was from this initiative that the partnership agreement with Compnet in 2019 and with Superclient in 2020 was born, for increased maturity and quality in processes and technological innovation for solutions and new perspectives in marketing and sales. In the RM- VALE TI editions, we expanded our networking and the perspective of new projects with ABDI and Energy Telecom.”

(Martinho Santos, Services and Technology Officer at Onset)



Paraíba do Sul River in Queluz. Credits: AGEVAP Collection

Water and environmental sanitation

In Brazil, for every 100 liters of water collected, treated, and ready to be distributed, 38 liters are lost along the way. This represents an annual financial loss of over R\$ 12 billion.

The São José dos Campos Technology Park has created the Water and Environmental Sanitation Technological Development Center (CDTASA - Centro de Desenvolvimento Tecnológico em Águas e Saneamento Ambiental), in partnership with the Committee for the Integration of the Paraíba do Sul River Basin (Ceivap - Comitê de Integração da Bacia Hidrográfica do Rio Paraíba do Sul), by means of its executive office, the Association for the Management of Waters of the

Paraíba do Sul River Basin (Agevap - Associação Pró-Gestão das Águas da Bacia Hidrográfica do Rio Paraíba do Sul).

The Center was created to stimulate research, prospect innovation projects, and improve the sanitation and water treatment conditions in the cities of the Paraíba do Sul River. São José dos Campos, home to the TechPark and CDTASA, is the largest city in the basin.

The work done in 2019 and 2020 resulted in three solutions:

Sewage Treatment and Two-Stage

Filtration: The first and the second solutions are interconnected and in the quality testing and certification phase, both of them are developed by Tecplas and Resix, and have their technical feasibility attested by

Unesp and the Federal University of ABC (UFABC - Universidade Federal do ABC) to help monitor the full operation of the treatment stations. The Secondary Level Modular Automated Sewage Treatment System brings as innovation its modular form, allowing it to be transported, reducing costs and keeping the capacity to adapt dimensions, according to the needs of the project scope. It has filters for different types of contaminants, providing the treatment of domestic sewage. On the other hand, the Two-Stage Filtration of Secondary Treatment Wastewater for Water Recycling Intended to Small Communities makes it possible to reuse water in households and industrial plants.

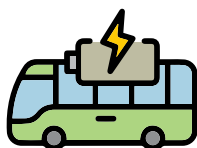
System for Losses Management and Control in Water Distribution Systems:

The third initiative, developed by Nexus GeoEngenharia and the Federal Institute of São Paulo (IFSP - Instituto Federal de São Paulo), is the System for Losses Management and Control in Water Distribution Systems, already completed and available in the market. The supply of treated water is affected when there are leaks in the distribution pipes, which tend to increase over time. This platform works without the need for electric power connection and uses sensors installed in the pipeline, allowing the identification of water losses, transmitting data in real-time, and using artificial intelligence to generate preventive warnings of drops in pressure.

Thus, CDTASA works on the development of projects aimed at improving sanitation conditions in the communities belonging to the Paraíba do Sul River Watershed,

contributing to the development of science and the local and regional social and economic empowerment.

The next steps include a future invitation by Agevap that will aim to identify and choose municipalities with up to 5,000 inhabitants, where the pilot of the prototypes can be implemented. The purpose of a new thematic center focused on green infrastructure is the search for innovative solutions to increase the efficiency and effectiveness of CEIVAP's Water Sources Program.



Mobility project

Around 14,000 people commute every day from other regions of São José dos Campos and neighboring cities to the district of Eugênio de Melo, where the Technology Park is located, as well as large companies, such as Embraer

and Ericsson. The district is 14 km away from downtown São José and faces problems such as heavy traffic on the Presidente Dutra highway - the main access route - and lack of public transportation options.

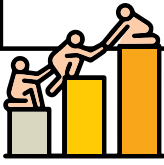
In August 2020, São José dos Campos Technology Park launched its Mobility Project to identify the commuting demands of all those who study and work in the region and to think of short-, medium-, and long-term solutions. To develop the action plan and apply extensive research, it received financial and consulting support from the Toyota Mobility Foundation.

The Technology Park's Mobility Project has several stages of execution over the next few years. The first one involved raising the awareness of the public that goes to the Park, by means of an in-depth study, conducted in the second half of 2020, by means of questionnaires and field research, to identify the major demands of those who work in and visit the region.

The Mobility Project also has a partnership with the Municipal Government of São José dos Campos, by the Economic Development and Urban Mobility Offices, with large companies in the area (such as Embraer, Parker, and Akaer), the Center for Public Sector Policy and Economics (CEPESP - Centro de Política e Economia do Setor Público) of the Getúlio Vargas Foundation (FGV - Fundação Getúlio Vargas), Innovact, as well as with universities, companies, and startups residing in the Park.



TechPark and TDCCC representatives meeting in 2019



Entrepreneurs' Galleries

The Entrepreneurs' Galleries Program aims to boost the entrepreneurial spirit of the residents of São José dos Campos' low-income neighborhoods, stimulating socio-economic development.

The Entrepreneurs' Galleries were implemented by the São José dos Campos Municipal Government and are under the administrative responsibility of the São José dos Campos Technology Park, which promotes the training and continuous monitoring of the entrepreneurs participating in the program. The entrepreneurs who are part of the program receive training and advisory services.

Currently, there are two Galleries in the City, both with ten stores. In 2019, two selection processes were held for the joining of new entrepreneurs. In the first, 13 new entrepreneurs were selected for the two galleries; In the second, three new retailers entered.

The entrepreneur uses the commercial site by paying a contribution fee.

The selected candidates participate in training, consulting sessions, lectures, and trips during their time in the program - each

company can participate for up to 60 months.

The TechPark's mission is to seek and train professionals who want not only a place to develop their activities but also to be trained in management and business, by means of mentoring, courses, and workshops, as well as specialized retail consulting.

In 2019 and 2020, 15 training actions were conducted, in addition to all the coaching and mentoring sessions planned in the project. The entrepreneurs participated in fairs and congresses in their fields of operation, face-to-face and online workshops and courses.

THE PROGRAM IN NUMBERS

From 2012 to 2020

2

GALLERIES WITH
10 STORES EACH

12

SELECTION
PROCESSES

94

ENTREPRENEURS

30

STORES ARE STILL
IN THE MARKET





Communication

Every day the TechPark shows its consolidated image, both internally and externally, as one of the most relevant innovation hubs in Brazil. The technologies developed at the Park, the products and services generated, and the interaction with the university draw the attention of a public with very varied characteristics.

At the TechPark, interaction, synergy, and opportunities for companies, universities, government, and society are constant. In view of that, the communication sector has several action fronts so that the information reaches the public according to their profile and with the most appropriate tool.

Social Media

Find our profiles:
@pqtecsjc

WEBSITE

www.pqtec.org.br

260

NEWS ARTICLES PUBLISHED
IN 2019 AND 2020

596.008

PAGEVIEWS ON THE
WEBSITE IN 2019 AND 2020

PRESS

440

ARTICLES ON TECHPARK IN
2019 AND 2020

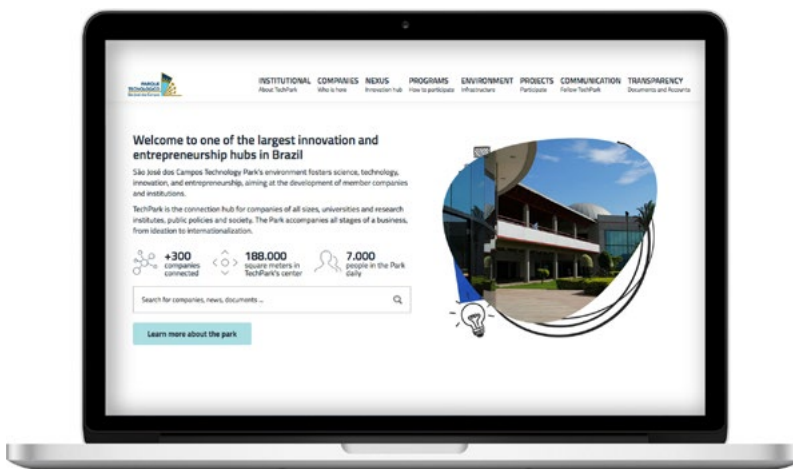
Institutional Relationship

The Technology Park's representatives are present in the main discussions about innovation and entrepreneurship in Brazil and around the world. In 2019, TechPark was appointed at the Brazilian Ministry of Foreign Affairs as Brazil's representative on the Executive Committee of the BRICS Innovation Network.

As part of a project by IASP and Denmark's INCUBA Technology Park, the São José dos Campos Technology Park was chosen to promote actions and initiatives for startups carried out by the government of Denmark.

Rodrigo Mendes, executive coordinator of international business development at TechPark, has been appointed as international relations officer at the National Association of Entities Promoting Innovative Enterprises (Anprotec) for the 2020-2022 administration.

In addition to holding positions and playing strategic roles, the Park also participates in a number of events with global impact. As an example, we participated in the International Conference of North-American Business Incubators and Parks (InBIA), held in April 2019 in the City of Minneapolis



(USA): TechPark participated in the panel on business incubators and internationalization opportunities and in the soft-landing programs meeting.

It is also worth mentioning the participation in the seminar “La Cooperazione Spaziale come

strumento per il progresso economico, scientifico e culturale” in Rome, Italy. The event held in May 2019 gathered representatives of the Italian and Brazilian governments, members of academia, scientists, businesspersons, and members

of the diplomatic and military community.

Also in 2019, the Park was part of the Presidential Mission to Argentina, representing the Brazilian Aerospace Cluster, alongside 28 other institutions and 22 businesspersons.

APTSJC reaches other parts of Brazil

The São José dos Campos Technology Park Association has established itself as a new vector for economic, social, and urban development, becoming an element of connection between the academic and business worlds, with the main focus on technological innovation.

As part of this new phase, in July 2019, it executed a consulting service agreement for structuring and implementing the Maricá Technology Park’s infrastructure.

The project is managed by Companhia de Desenvolvi-

mento de Maricá (Codemar), which is a company controlled by the municipal government. TechPark has a partnership with La Salle Technova, one of the most important innovation hubs in Europe.





The year we went behind the screens

In March 2020, the Covid-19 pandemic reached Brazil and put at stake all the models of activities and actions that existed until then.

The São José dos Campos Technology Park adapted quickly to the new operational, sanitary, economic, and legal conditions imposed by the decrees issued by the public authorities, by the demands of the resident institutions, by common sense and knowledge about this disease and the behavior of the virus.

During this period, with all the necessary adaptations, TechPark kept on firmly fulfilling its mission to support the connected companies and create business opportunities.

At the beginning of the pandemic, it was necessary to support companies directly, looking at individual needs: indication of credit facilities and government allowances, discounts on membership contributions, guidance on labor and tax legislation, which have undergone changes.

An opportunity radar was also created. Initially, it was focused on fundraising for the development of solutions directly or indirectly related to the pandemic.

Subsequently, the radar turned out to be an important channel for sharing all kinds of challenges, incentives, funding, and acceleration of projects aimed at technology-based companies. Throughout 2020, almost 200 opportunities were shared. The Park's team provided assistance for more than 80 projects to apply for the opportunities advertised.

The Park's teams promoted more than 250 online events, including webinars closed to companies and open to the ecosystem, workshops and mentoring sessions, held directly by the TechPark's teams or with the participation of their representatives.

Here are the highlights of the period.

Webinars and guidance e-book

In April 2020, the São José dos Campos Technology Park held a series of webinars to face the pandemic. The Technology Park staff gathered specialists to meet the demands and needs of all resident startups and companies, as well as of those associated with the Brazilian Aerospace Cluster and Vale ICT Cluster on three fronts: Tax and Fiscal Tools; Labor Adjustments and Financial Incentives.

Online Events

WEBINARS	123
WORKSHOPS	18
MENTORING SESSIONS	126
NEW STARTUPS	27
OPPORTUNITIES ADVERTISED	192
NEW PROJECTS	22
NEW PARTNERS	59
CONSULTING	78
ASSISTANCE TO PROJECTS	84

Faced with an excessive amount of information in all communication channels, the Park had the role of selecting the most relevant information and helping the entrepreneur to identify opportunities, actions, subsidies, laws, and financing that could help the companies at that moment. The content of the webinars gave rise to three e-books that were distributed to the companies.

Solutions against COVID-19

In view of the pandemic, companies connected to the Technology Park developed solutions to fight Covid-19, making their teams and infrastructure available for the creation of products, data collection, establishment of partnerships, and support to governments.

The TechPark supported such initiatives, articulating and connecting companies and

disseminating demands and opportunities from public and private agencies. See below some initiatives from our ecosystem.

Face shields and masks

3D tecnologia, a resident at the TechPark, produced thousands of face shields in 3D printers, which were distributed to several locations. In addition, the company took part in the development of 200 autonomous respirators in partnership with the University of Taubaté.

Plantem Tech, a startup accelerated in Nexus, produced 600 face shields in 3D printers to give away to healthcare professionals.

Avibras, a company resident at the TechPark, produced reusable and adjustable face shields, whose first batches were donated to the Municipal Governments

of São José dos Campos and Jacareí. Afterward, the company made further donations to other municipal governments in the region.

Women in 3D Printing Brazil created Project Hígia to develop models of face shields. The initiative donated 3,000 face shields and was idealized by 3D printing researchers from different places, including Unifesp professor Maria Elizete Kunkel.

Akaer, associated with the Brazilian Aerospace Cluster, has developed a barrier enclosure to be used by healthcare teams during intubation in patients with suspected or confirmed COVID-19 infection. The equipment is used in two hospitals in São José dos Campos - São Paulo and the product can be made to order at a cost price and shipped all over Brazil.



Barrier enclosure for intubation in patients with suspected or confirmed SARS-COVID-19 infection. Credits: Divulgação_Akaer



3D Tecnologia donated face shields to the TechPark receptionists. Credits: Divulgação_3D Tecnologia

Alltec, a company associated with the Brazilian Aerospace Cluster, manufactured face shields for the Hospital São Francisco de Assis, in Jacareí, and for the health departments of municipalities in the Paraíba Valley region.

A personal initiative from the CEO of Thyssenkrupp Autômata, associated with the Brazilian Aerospace Cluster, caused the manufacturing of more than 100,000 face shields, delivered to cities in the Paraíba Valley region and to the São Paulo capital. The project involved other companies from São Paulo, Santa Catarina, and Rio Grande do Sul.

Monitoring Solutions

GeoPixel, a company resident at the TechPark and associated with the Vale ICT Cluster, developed the “Mapeia COVID-19”, a geo-intelligence solution.

The free, online platform is open to city residents for voluntary

registration, providing information such as age, pre-existing diseases, disease-related symptoms, and trips taken in the past 14 days. The Santo Antônio do Pinhal Municipal Government joined the platform to monitor and act against cases of COVID-19 in the city.

Subiter, a startup incubated in Nexus, developed project Lince, a non-invasive solution to monitor body temperature in environments with a high flow of people. The Lince project allows for rapid mass screening without the need for close proximity or physical contact to obtain the diagnosis.

Hubse, a company associated with Vale ICT Cluster, specialized in city intelligence, launched the platform “Mapeamento Colaborativo COVID-19”. The platform allows the organization, compilation, and presentation of strategic data at the intra-municipal scale, supporting the municipal governments as regards

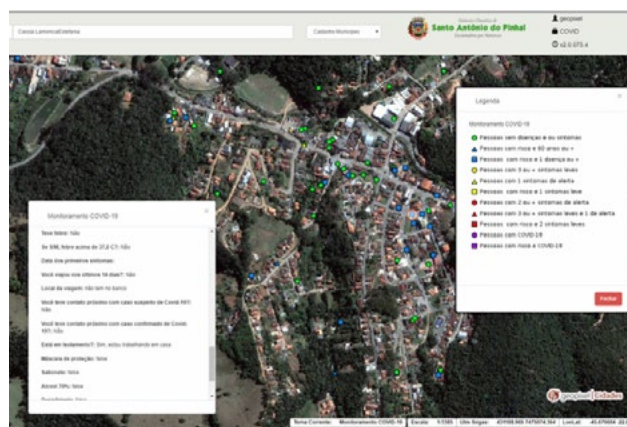
planning and decision making.

Onet Sistemas, a company associated with Vale ICT Cluster, created an online business intelligence platform focused on healthcare. The “Painel COVID” platform provides management and tracking of the entire cycle of suspected and confirmed COVID-19 cases, from the patient admission to the case completion (recovery or death). The tool was used in the Municipal Hospital of São José dos Campos.

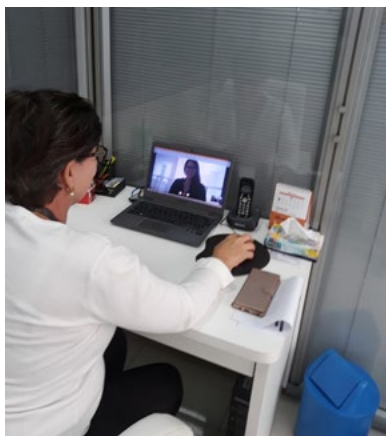
The National Center for Natural Disaster Monitoring and Alerts (Cemaden - Centro Nacional de Monitoramento e Alertas de Desastres Naturais), installed at the TechPark, developed research and technological tools to manage the fight against COVID-19. See the three research initiatives: territorial information, urban mobility, and social vulnerabilities, with pilot projects in São José dos Campos and Niterói (Rio de Janeiro).



Subiter created a solution to monitor body temperature.
Credits: Divulgação_Subiter



Geopixel's geo-intelligence solution.
Credits: Divulgação_Geopixel



Innovicare developed a solution for telemedicine appointments. Credits: Divulgação_Innovicare

Telemedicine

Innovicare, a startup accelerated in Nexus, developed the telemedicine appointment solution to give oncology clinics autonomy in routine appointments with their patients remotely and totally online, avoiding possible exposure to the virus. The “Innovicare Paciente” application was also developed; with this application, patients undergoing cancer treatment can report directly to their clinic and doctor the symptoms they are having after undergoing a chemotherapy or radiotherapy session.

Datalogix, a company associated with Vale ICT Cluster, developed a telemedicine solution, a platform to connect doctors and patients, avoiding visits to the hospital. More than 1,500 services were provided by the Municipal Governments of Carapicuíba, Guararema, and Suzano, all in São Paulo’s large metropolitan area.



Aritex has developed the UV Sanitizer COBOT. Real image. Credits: Divulgação_Aritex

Antimicrobials

Resix, a company resident at the TechPark, developed two solutions to fight the coronavirus: disinfection of buses with sanitizers for the City of São Paulo and face masks with virucidal activity.

Cecil S/A Laminação de Metais, a company associated with the Brazilian Aerospace Cluster, implemented, free of charge, an antimicrobial copper coating on items of greater contact in

hospitals and health centers. According to the company, copper has great antimicrobial properties.

Aritex, also associated with the Cluster, developed the UV Sanitizer COBOT, an autonomous collaborative robot designed to sanitize complex spaces and surfaces using UVC rays. The initial idea came up in a meeting with the associates.

Support Network

The startup Kmaleon, accelerated in Nexus, created the action “Empresa Amiga do Pequeno Empreendedor” in partnership with E-commerce & Varejo. The goal of the movement was to help small and medium-sized companies get access to software and technology quickly and at a more affordable price.

The Serco Group, associated with the Brazilian Aerospace Cluster, created a prevention assistance action around its plant in São José dos Campos (São Paulo) by distributing hand sanitizers to the neighborhood homes.



Aritex has developed the UV Sanitizer COBOT. 3d image. Credits: Divulgação_Aritex

The consulting company Aerospace Brazil Certifications, associated with the Brazilian Aerospace Cluster, created a free hotline for psychological support for people in quarantine and released videos with experts on the subject.

Supporting Field Hospitals

Altave, a resident at the TechPark, has made available its technologies for monitoring critical and lighting structures for field hospitals. Their lighting balloons served field hospitals, which need to be set up quickly. The balloons can be reused, have the capacity to illuminate up to 22,500 m², and are powered by batteries that last up to 12 hours.

Respiration

Planifer Ferramentaria, Globo Usinagem, and Liebherr, associated with the Brazilian Aerospace Cluster, were part of the group of companies, led by Embraer, that

developed about 5,000 ventilators. The initiative involved eight companies of the aerospace sector from the Paraíba Valley Metropolitan Region and Campinas - four of them are associated with the Cluster.

Tecplas, also associated with the Aerospace Cluster, delivered to the São Paulo Association for the Development of Medicine (SPDM - Associação Paulista para o Desenvolvimento da Medicina) a breathing helmet prototype to be tested at the São José dos Campos Municipal Hospital. The project was carried out jointly with SPDM, which has a cooperation agreement with the TechPark since 2017.

CITS developed a device for trans-thoracic phototherapy to treat patients with severe acute pulmonary dysfunction caused by Covid-19. The therapy has been shown to be effective in reducing edema and inflammatory cells in clinical trials. Project was developed in

partnership with CITÉ, Hospital São Francisco de Assis de Jacareí (SP), Santa Casa de Pindamonhangaba (SP), Santa Casa de Itajubá (MG) e Universidade Anhembi-Morumbi.

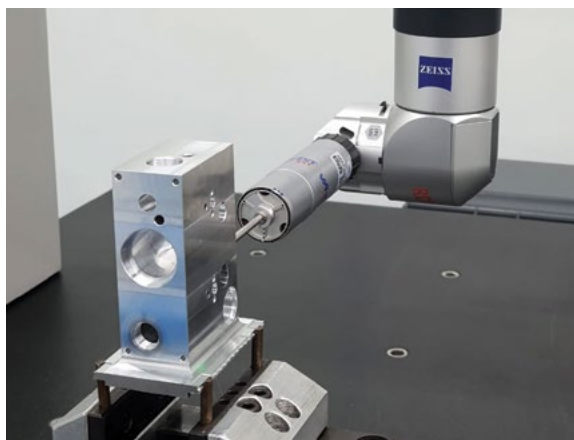
Social Entrepreneurship Support

The two Entrepreneurs' Galleries were closed at various times during the pandemic by state and city decrees. Entrepreneurs had to find new ways to sell their products and keep their businesses going; they include clothing stores, beauty parlors, pet stores, tattoo studios, restaurants, lottery retailers and sewing services, snack bars, and confectionery stores.

The TechPark monitored them closely, providing information, instructions, and opportunities, in partnership with Sebrae and companies connected to the TechPark, to reduce the impacts of the pandemic.



Altave provided lighting for field hospitals.
Credits: Divulgação_Altave



Planifer participated in the development of the respirators. Three-dimensional machine measuring geometric tolerances. Credits: Divulgação_Planifer



Retailer of the Entrepreneurs' Gallery of Campo dos Alemães. Credits: PMSJC_Cláudio Vieira



Participating in the program was fundamental. After the project, I had a 40% increase in customer flow through digital channels. Before that, I used to post on social media, but without any strategy. I do not have higher education, and everything I learned was not structured.”

(Tamires Rocha, clothing store owner at the Entrepreneurs' Gallery of Campo dos Alemães)

Resumption Program

The Resumption Program was created by the TechPark in partnership with Sebrae to help entrepreneurs of the Entrepreneurs' Galleries to resume their businesses through access to credit, training in online sales technologies, and strategies to manage and increase sales.

The Park provided 20 hours of on-site training in the two entrepreneurs' galleries.

Digital Transformation

In three years as a clothing store owner, Tamires Rocha, 28, had never experienced a crisis like the Covid-19 pandemic. Her store is located in the Entrepreneurs' Gallery in Campo dos Alemães.

In the first few months, Tamires had to keep the store closed, she saw suppliers stopping deliveries,

and had to invest more in online sales. At the peak of the pandemic, she worked temporarily in a lottery retailer to make ends meet.

In this scenario, common to all store owners, the São José dos Campos Technology Park, along with companies associated with the Vale ICT Cluster, created a digital transformation program to be applied in an objective and optimized way in small businesses. The pilot project was carried out with store owners from the Entrepreneurs' Galleries - six commercial establishments were selected: two eyewear stores, one clothing store, one cleaning products store, one candy shop, and one stationery store.

The program considered the insertion of the establishment in social media, Google meu negócio, marketplaces, and Whatsapp business.

Agile management methodologies were used to create fast and cost-effective solutions for companies. A real war squad to insert the stores in the digital world.

For this project, the member companies Datalogix Brasil, Super-Client Solutions, Resultage, and Youtan participated.

Aerospace Cluster

The Brazilian Aerospace Cluster developed an action plan in view of the pandemic. To this end, it conducted two surveys with the chain to map the impacts caused in the aerospace sector.

The information gathered helped to compose the “Aerospace Chain Indicators” for pleadings with governments and institutions.

Two manifestos of the sector were sent to the President of the Republic

and the Governor of the State of São Paulo, along with Invoz, Abimaq, Assecre, and Ciesp. The collective manifestos asked for the extension of benefits granted during the pandemic also to companies of larger size and higher gross sales revenue than those provided for in the decrees.

The Cluster sent to the 39 Municipal Governments of the Paraíba Valley Metropolitan Region and North Coast Region an official letter, considering the high technological and industrial capacity of the sector, to identify the demands in the health sector of the municipalities in the fight against COVID-19. Thus, items and solutions of greater need could be studied, developed and/or conducted by the member companies.

Vale ICT Cluster

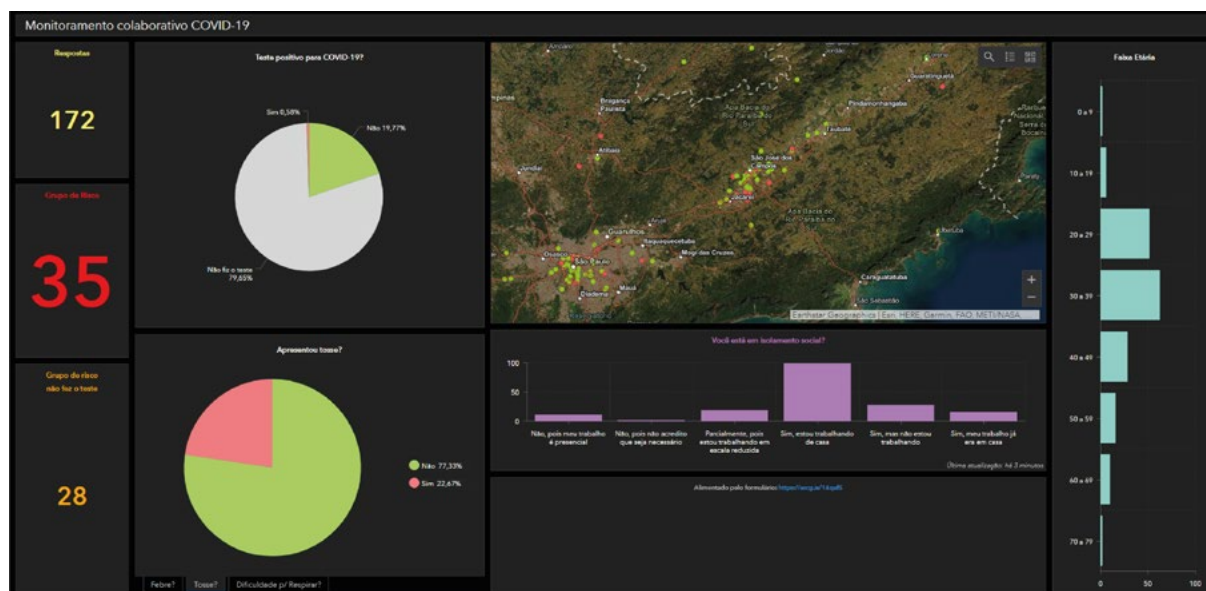
APL TIC Vale has brought together its member companies to develop technological solutions for the health sector to fight against Covid-19 since the beginning of the pandemic, and has been the interlocutor between companies and governments for the implementation of solutions.

With the direct intermediation of APL, Hubse has been working since May 2020 with the tool “Cidades Saudáveis”, of the Association of Municipalities of the Paraíba Valley (Codivap - Associação de Municípios do Vale do Paraíba) for the monitoring of Covid-19 cases throughout the region. The solution is used as a discussion parameter

in the State of São Paulo to contest the flexibilization measures of the municipalities.

Onet Sistemas developed an application for interaction with the population about the disease and integrated its platform with Hubse’s platform, to be used by the Municipal Hospital of São José dos Campos to control and create dashboards with monitoring data from patients with a suspected or positive diagnosis for Covid-19.

Datalogix created for the São Paulo State Government a digital showcase for artisans participating in state support programs in order to advertise products and increase online sales during the pandemic.



Hubse, a company specialized in market intelligence and city intelligence and associated with Vale ICT Cluster, launches a collaborative platform against COVID-19. Credits: Divulgação_Hubse



TechPark's Events

The big events of the TechPark have migrated to digital platforms and, even so, had an increase in audience and the participation of important people.

Nexus Summit online

From August 26 to 28, 2020, the 3rd edition of the Nexus Summit took place, this time completely online and free of charge. Targeted at the startups ecosystem and entrepreneurs in Brazil, the event already had more than 3,500 views on the Technology Park's YouTube Channel.

As in previous years, the Summit brought together important names in the market to address issues such as investment attraction, challenges,

and pain points of startups in various stages, as well as cases of large companies.

Some of the panelists: Rafael Ribeiro, Head of Operation at Bossa Nova Investimentos; Paulo Mariotto, investing member of Anjos do Brasil; Guilherme Negri, founder of Tração.Online; Gustavo Araújo, co-founder of Distrito; Felipe Novaes, co-founder of The Bakery; Raphael Augusto, managing-partner of Market Innovation Intelligence and Research at Liga Ventures; Gabriel Sidi, Managing Partner of DOMO Invest; Mateus Castro, co-founder of Kmaleon; Michel Zreik, CEO of Lá Vem Bebê; Priscila Castro, officer of Brain Ventures; Joaquim Torres (Joca), executive officer of Lopes Labs; David Ledson, People and Management Officer at Sympla; Rafael Kiso, founder of mLabs; Romero Rodrigues, partner at Redpoint eventures, and Tiago Serrano, co-founder of SoluCX.

7th RM VALE TI Online

For the first time, RM VALE TI - Feira e Congresso de Tecnologia e Inovação (Technology and Innovation Fair and Congress) and the largest event of the Technology Park - was held entirely online, from October 20 to 23, 2020.

The Park developed an exclusive online platform, available in Portuguese and English, totally designed to stimulate networking and promote new business among the participants.

The virtual environment was friendly and intuitive and used artificial intelligence to connect participants with common interests and indicate companies that could add something to their professional profile.

Space Industry - The novelty of the 7th RM VALE TI was the presence of the Brazilian Space Industry Forum in its agenda, also online and free of





charge, held by the Brazilian Space Agency in partnership with the São José dos Campos Technology Park with the objective of disclosing the main results of the space sector and establishing a space for debates for the development of the sector's future.

To broadcast the two events, the Park set up a professional infrastructure with a studio, presenter, and a team specialized in online broadcasting.

Business Round - Considered a highlight of the RM VALE TI, the Business Round also had a virtual environment specially developed to facilitate the interaction between companies that buy and those that develop technologies. The participants had the possibility to talk by videoconference with representatives of large companies. The meetings were private, divided by interest, and business-oriented.

100% online event, 100% real business

24

SPONSORS

more than **5 thousand**

ACCESSES TO THE PLATFORM IN THE 4 DAYS

23

INSTITUTIONAL SUPPORT

8 panels

AND 34 SPEAKERS AT THE BRAZILIAN SPACE INDUSTRY FORUM

20 thousand

SESSIONS ON THE EVENT'S WEBSITE

16 panels

AND 63 SPEAKERS AT THE RM VALE TI

EXCLUSIVE PLATFORM, DEVELOPED FOR THE EVENT

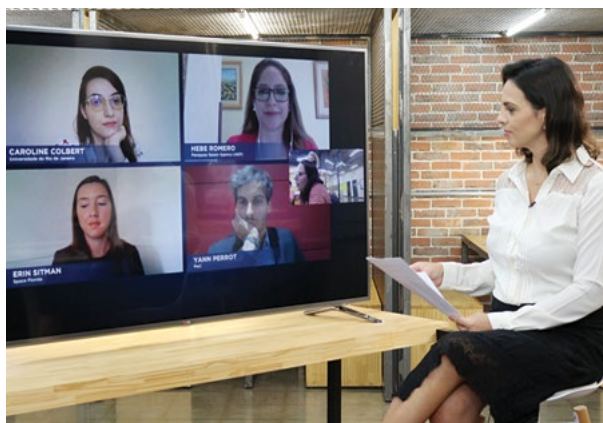
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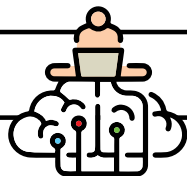
PARTICIPANTS, AMONG ENTREPRENEURS, PROFESSIONALS, PUBLIC MANAGERS, REPRESENTATIVES FROM ENTITIES AND UNIVERSITIES, UNDERGRADUATE AND GRADUATE STUDENTS

Business Round

360 MEETINGS
4 DAYS
4 AREAS
44 TECHNOLOGY DEVELOPMENT COMPANIES
35 MAJOR BRANDS

50+ news articles



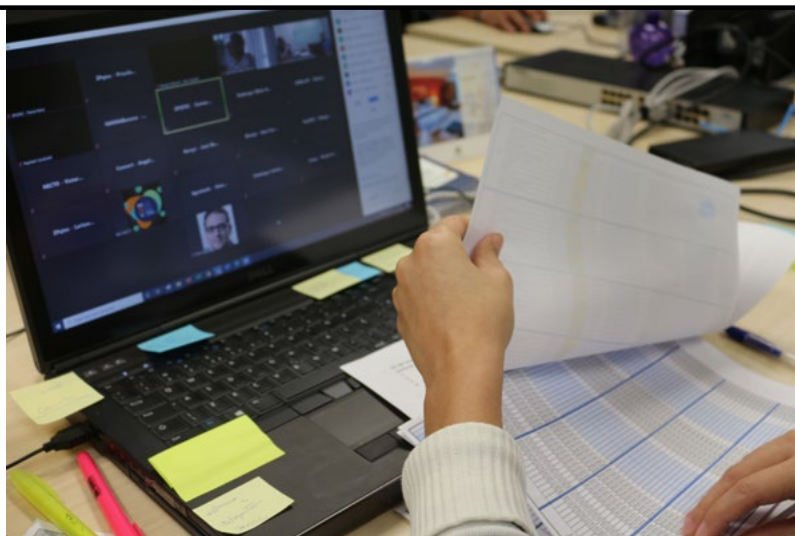


The team at the São José dos Campos Technology Park knows that the innovation hubs, at the end of the Covid-19 pandemic, will not resume actions and initiatives the way they were done before the disease.

On the one hand, the coronavirus has accelerated the digital transformation of every company and institution in the world, shown that working from home is possible, and that activities can take place in the digital world without losing quality. However, on the other hand, so much time in social isolation has made it clear that only remote contact is not enough to build solid relationships and generate growth for a company.

This crisis can be seen as an opportunity for the creation of collaborative tools and the development of innovation, as several industry experts have well-defined.

By the end of 2020, several institutions were already showing difficulties related to mental health and dissemination of company culture in remote work. In its turn, the face-to-face connection of the team, which was slowly resumed at that time, proved to be irreplaceable for productivity and quality gains and as an opportunity to discuss new projects and new strategies for the companies.



Hybrid work model likely to be new norm

The data from the survey conducted with the companies connected to the Technology Park in October 2020 suggest that our environment will have to undergo short and long-term changes, but will never be set aside for the development of entrepreneurship and innovation.

Companies were already indicating a face-to-face return in 2021 - at least partially - stimulated by the clear need for interpersonal relationships among employees.

In such a complex world, the feeling of belonging to the group, the identification with the company, and objective, eye-to-eye moments are crucial to generate engagement and new ideas for business.

Strategic Planning - In this context, the São José dos Campos Technology Park Association decided to review its short-, medium-, and long-term strategic

planning, considering the necessary internal demands and changes, as well as new approaches and ways of being with the companies and institutions connected to it. Strategic planning should be completed by mid-2021.

A hybrid model

There is a lot of talk about digital relationships with face-to-face moments. The “twin park” concept is also starting to establish itself. The idea of the hybrid park was conceived by Josep Piqué, president of La Salle Technova Innovation Park in Barcelona, and consists of creating an innovation hub that is relevant both online and in-person, where the two worlds connect and complement each other strategically.

By identifying the best of these two types of connections, the Technology Park will keep the deliveries to

the connected companies and institutions at a high level.

Online approaches are extremely advantageous in breaking down geographical barriers. Thus, there is the Nexus Digital Platform project, through which it will be possible to incubate and accelerate startups in the country remotely, in addition to connecting all the companies to a mentoring network.

Customized spaces - On the other hand, having physical spaces to stimulate synergy between companies and institutions connected to the TechPark is still essential.

The networking, B2B meetings, and project sharing event models will be thought out individually. Companies will have increasingly customized spaces at their disposal: work rooms and spots to meet the new business reality of the second decade of the 21st century.

Universities and Companies Closer and Closer

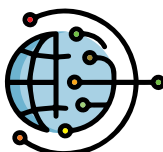
The separation between research (at the university) and products and services (in the company) is falling through the floor. There is a consensus that the university needs to be a space for entrepreneurship, encouraging students to open their own business or to grow with a small company - leaving aside the

standardized dream of working for a large company.

For this, universities need to redefine their strategies, welcoming the “maker” and “learn-by-doing” approach. To do so, the involvement of companies is fundamental in order to be possible to build a more inclusive world and have more innovative solutions in the market.

The Park acts as an articulator between the two parties and should intensify even more its university-company connection programs and projects in the coming years. Startups, companies of all sizes, university students, researchers, and professors will have more opportunities to develop joint projects under the supervision of the TechPark team.

For further information on all the companies connected to the TechPark, please visit: <https://pqtec.org.br/en/companies/>



Conditions to Grow

The World Economic Forum released in October 2020 a survey on the impacts of Covid-19 on the global economy and the segments that can serve the new demands.

They include artificial intelligence, data, water quality and monitoring, electric vehicles, and skills capital. They were all divided into three large groups: conservation of the planet, training and protecting people, and advancing knowledge.

For the Forum, the pandemic has made people look at how to produce value differently. These segments have the potential to serve the new demand that has arisen: the provision of essential goods and services to face the environmental and digital future.

The Forum's document also suggests seven conditions for the promising segments to flourish in a complete ecosystem: innovation; production; consumption; standardization; value; coding (clear legal frameworks) and structure.

It is clear that innovation environments are friendly spaces for these conditions.

The São José dos Campos Technology Park knows its responsibility in building the future and is already a protagonist in this transformation.

Credits: Autaza



For further information on all the companies
connected to the TechPark, please visit:
<https://pqtec.org.br/en/companies/>





www.pqtec.org.br/en/