

FACENS SUSTAINABILITY REPORT 2021



MANIFESTO

The future is made by us

If we could only take a peek into the future, what would we see? What would we like to see? Two similar questions, but would they have the same answer?

History shows us numerous human achievements, both good and bad. The point is that the current and future generations are not responsible for what the others did or failed to do, but the fact is that we are all experiencing the impacts of these actions and inactions, especially when it comes to the environment. Human intelligence was able to understand, transform, and extend life, bringing more comfort, ease, and health through the development and improvement of technologies and advances in science. However, this very same understanding has not considered that we are also part of an ecosystem and, aligned with a vision of extractivism and ambition has created large-scale problems that can only be addressed through a systemic, regenerative perception and with the help of technology and innovation.

Changing this awareness in all spheres of society is essential if we are to face this critical decade for the future of humanity.

It is imperative to listen to science, better understand the reality and the future impacts, to plan, to innovate, to act, and to supervise. After all, the future is made by us.

THE IMPORTANCE OF A REPORT

The sustainability report is one of the main tools to communicate our activities related to the SDG 2030 agenda and, furthermore, a way to strengthen our commitments, set clear goals, and ensure transparency to our actions.



CHANGE AGENTS!



Ana Carolina Camargo Francisco – Undergraduate faculty
Antonio Walter Barbero – Marketing
Eliane da Rocha – Facens Library
Felipe Hashimoto Fengler – Undergraduate and graduate faculty
Gustavo de Aguiar Isaia – Undergraduate Coordination
Laura da Silva Santos – People & Management
Luciana Gomes Pereira Pinto – PMO (Facens Project Management Office)
Luciano Freire – Academic Coordination
Maria Carolina C. de Mello – Customer Service (communication agency)
Maurício Tolotto – Customer Service (communication agency)
Monique Pleins Nigro – Marketing
Raquel Barbosa Rogoschewski – Social Innovation Lab
Raquel da Silva Barros – Emotional Collaboration Lab
Tamara Nanni Camargo – Social Innovation Lab
Vitor Belota Gomes – Sustainability and Impact

Everything we do is only possible thanks to the people who make up Facens. Therefore, our sustainability committee is made up of our main stakeholders, such as the rector, students, sponsor, employees and professors.





About Facens

Founded in 1976, initially as a technical school, Facens became the first institution of higher education in the Engineering area in the city of Sorocaba. In these 45 years of existence, we have always been in constant evolution and, today, we count on 18 undergraduate courses in the areas of Engineering, Architecture, Technology and Health, in addition to Postgraduate courses, MBAs and Specializations.

We are recognized by the job market as having a top grade (5) from MEC (Ministry of Education) and as one of the leading higher education institutions in Brazil, according to MEC's indicators.

We are considered a Smart Campus[®], an innovative concept of intelligent campus patented by Facens. In 2021, we were awarded by the global UI GreenMetric ranking as the most sustainable private higher education institution in Brazil, which highlights the importance of sustainability within the organization.

Our main goal is to develop conscious and sustainable citizens and professionals, who are well equipped to deal with the social, economic and environmental challenges of our planet.



Smart Campus®



EDUCATION
AND CULTURE



ENERGY



INDUSTRY
& BUSINESS



ENVIRONMENT



MOBILITY
AND SAFETY



HEALTH AND
LIFE QUALITY



ICT



URBANIZATION




GOVERNANCE

TO BE A SMART CAMPUS® IS TO WALK A
CONSTANT PATH BETWEEN THE PURSUIT
AND THE ACHIEVEMENT OF SUSTAINABILITY,
INNOVATION, AND THE QUALITY OF LIFE.

Know more



The '5G' text is rendered in a large, stylized font with a blue-to-green gradient. The '5' and 'G' are outlined, while the 'G' has a solid green fill. The background features a blue city skyline silhouette and two blue drone icons flying in the sky. There are also orange plus signs and a white cloud icon scattered around.

5G

With the partnership of Ericsson, Embratel and Claro, on June 25, 2021, the Smart Campus® Facens became the first university campus connected with fifth generation technology in the State of São Paulo.

This initiative now enables new lines of research, projects and development of digital solutions for various segments such as automotive, Industry 4.0, Smart Cities, telemedicine and education.



Sustainability Pillars

“SUSTAINABLE DEVELOPMENT IS THAT WHICH MEETS THE DEMANDS OF THE PRESENT WITHOUT UNDERMINING THE ABILITY OF FUTURE GENERATIONS TO MEET THEIR OWN NEEDS.”
 (BRUNDTLAND, 1987)

EDUCATION

-  QUALITY OF EDUCATION
-  RESEARCH IN SUSTAINABILITY
-  EXTENSION FOR SUSTAINABILITY

ENVIRONMENTAL

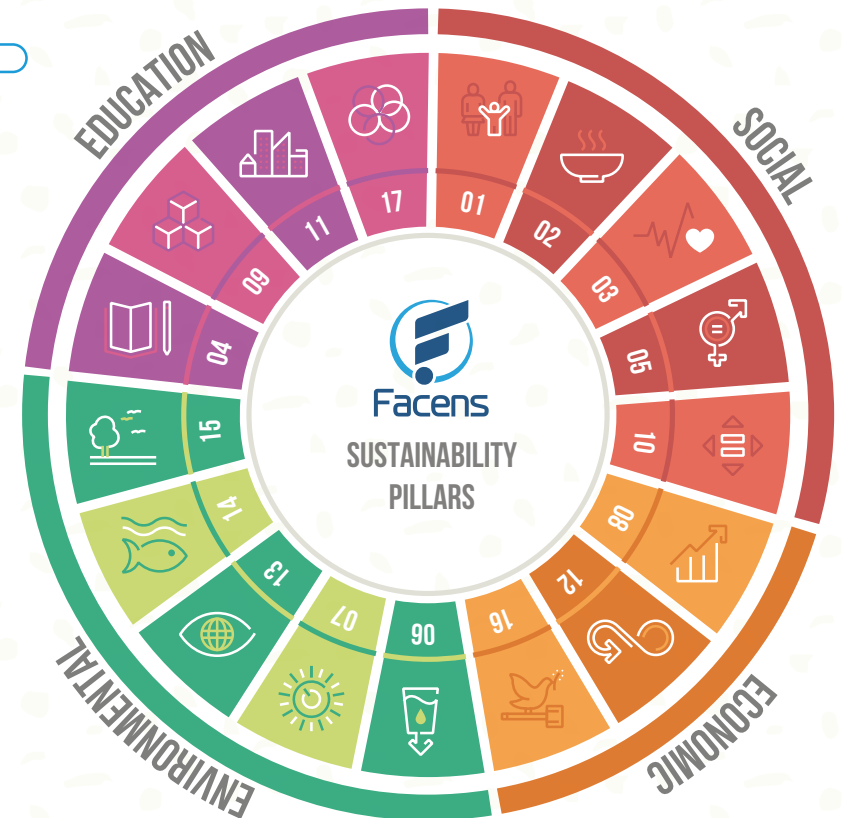
-  ENERGY AND CLIMATE CHANGE
-  WASTE MANAGEMENT
-  SUSTAINABLE USE OF WATER
-  NATURE, ECOSYSTEMS AND BIODIVERSITY

SOCIAL

-  SCHOLARSHIP POLICIES AND EASY ACCESS TO EDUCATION
-  HEALTH AND WELFARE
-  SOCIAL ACTIONS AND PARTNERSHIPS
-  GENDER, RACE, AND DIVERSITY EQUITY

ECONOMIC

-  GOVERNANCE
-  STUDENT ENROLLMENT AND RETENTION
-  EMPLOYABILITY AND CAREER OPPORTUNITIES
-  MARKET INTEGRATION

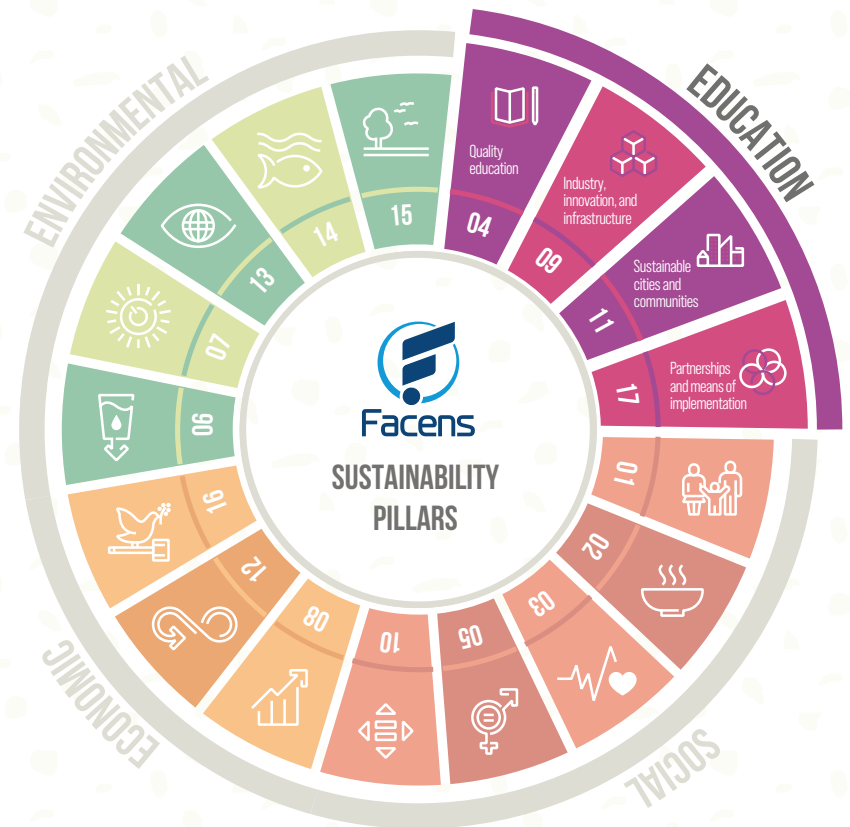


Education Pillar

Education for a sustainable future

“OUR PRIMARY RESPONSIBILITY AS AN EDUCATIONAL INSTITUTION IS TO DEVELOP STUDENTS WHO ARE AWARE AND WELL PREPARED TO DEAL WITH THE SOCIAL, ENVIRONMENTAL AND ECONOMIC CHALLENGES OF OUR PLANET, RENDERING THEM SUSTAINABLE AND REGENERATIVE PROFESSIONALS.”

Vitor Belota Gomes, manager of Impact and Sustainability Manager at Facens



Education-oriented projects

Explore this pillar



- Laboratories and classrooms
- Library
- Guide to Sustainable Projects
- Power Plant For Experimental Projects (UPX)
- MBA in Smart Cities
- Sustainable teacher training and education
- Innovation Centers
- Research and Extension
- Student Sustainability Committee

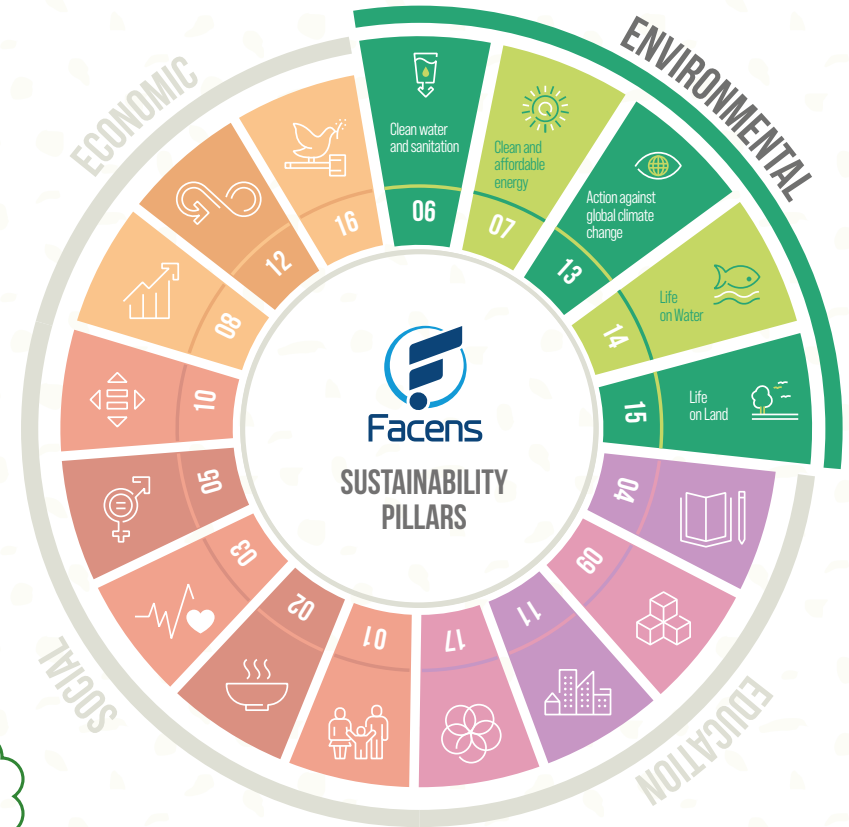


(*IGC: ministry of education ratings index - translator's note)

Environmental Pillar



“THE WORLD IS ON TRACK TO REDUCE ABOUT 7.8% OF ANNUAL GREENHOUSE GAS EMISSIONS BY 2030, WELL SHORT OF THE 55% NEEDED TO CONTAIN GLOBAL WARMING BY 1.5°C.”
(INGER ANDERSEN, UNEP EXECUTIVE DIRECTOR)



ENERGY AND CLIMATE CHANGE



WASTE MANAGEMENT



SUSTAINABLE USE OF WATER



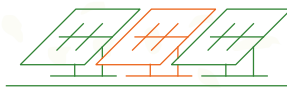
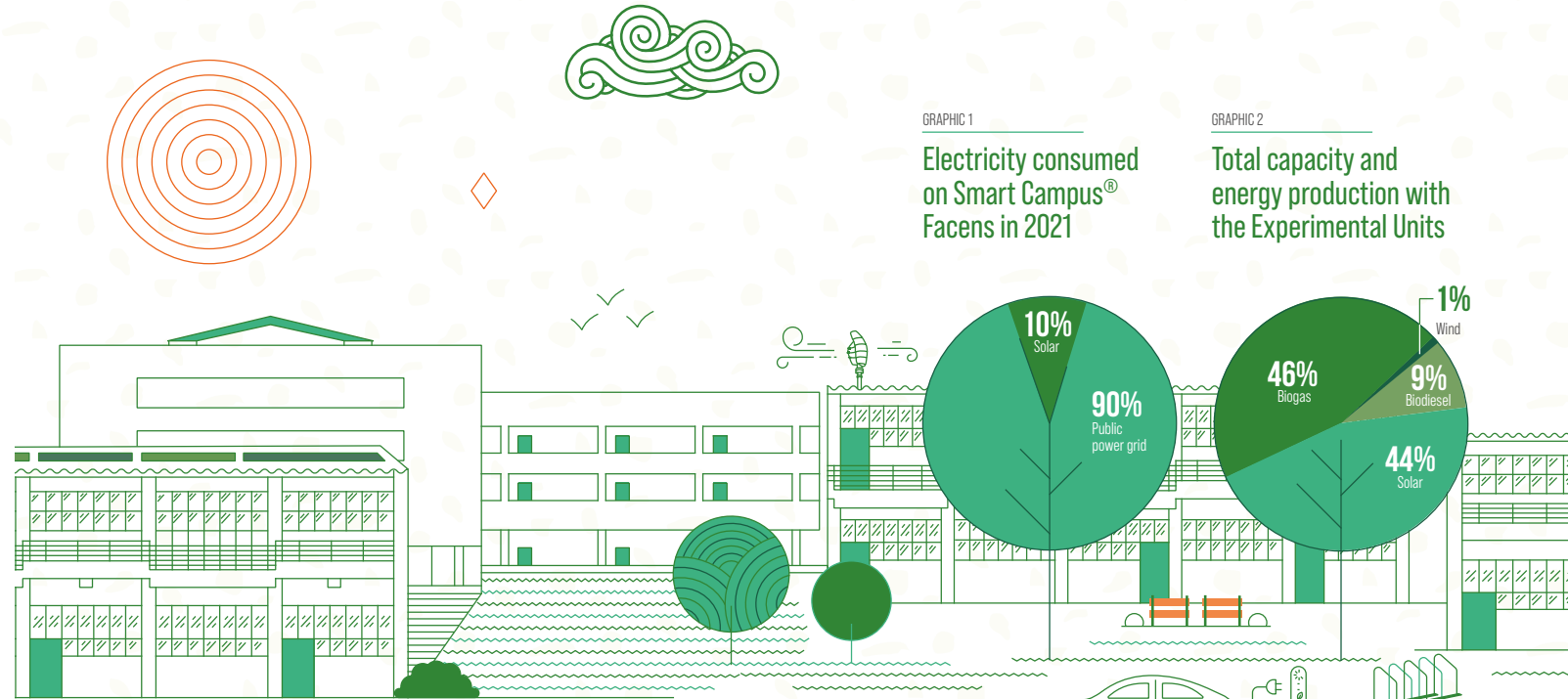
NATURE, ECOSYSTEMS AND BIODIVERSITY

Environmental projects on campus

Explore this pillar



- Carbon Footprint
- Zero Plastic
- Composting
- Water Treatment Systems
- Watershed Committee
- Biodiversity
- Sanitation Master Plan
- Renewable Energies
- Other Projects



PRODUCTION SYSTEM PHOTOVOLTAIC

With our infrastructure for clean energy production, we have managed a total carbon saving of 259t between 2016 and 2021, which is equivalent to:

- 6.648 TREES
- 1.040.397KM



BIODIGESTOR

• 36% OF FACENS' ORGANIC WASTE GENERATES BIOGAS when diverted from landfills (122kg in 2021)

Energy production capacity
7,2KWH/DAY



EXPERIMENTAL WIND MINIGERATOR

(made for proof of concept)

The idea of using the experimental mini wind generator is to show students how clean and renewable energy generation works. The goal is also to observe the behavior of a small wind generator and analyze its technology, aiming at future research and development projects.



BIODIESEL PLANT

This project aims to raise the population's awareness about the importance of recycling vegetable oil because of the great damage it can cause to the environment.

Capacity to convert
140 LITERS of used frying oil per day into biodiesel.

USE OF ELECTRIC VEHICLES

We currently have available at the Smart Campus® Facens,

17 ELECTRIC VEHICLES

POINT FOR CHARGING electric vehicles

The electric vehicle charger is available for public use, at no cost to the user, and its use is monitored and controlled by the Smart Lab Dashboard.

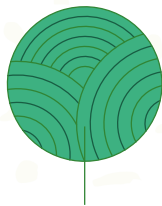
The device deployed is the European Standard TYPE 2 Electric Vehicle Charger, used by almost all electric vehicles on sale today in Brazil.

FOSTERING OTHER FORMS OF MOBILITY

Urban mobility represents a major challenge in today's city management. For this reason, we are concerned with improving our campus infrastructure to encourage the use of public transportation and bicycle lanes in our city.

↳ We offer

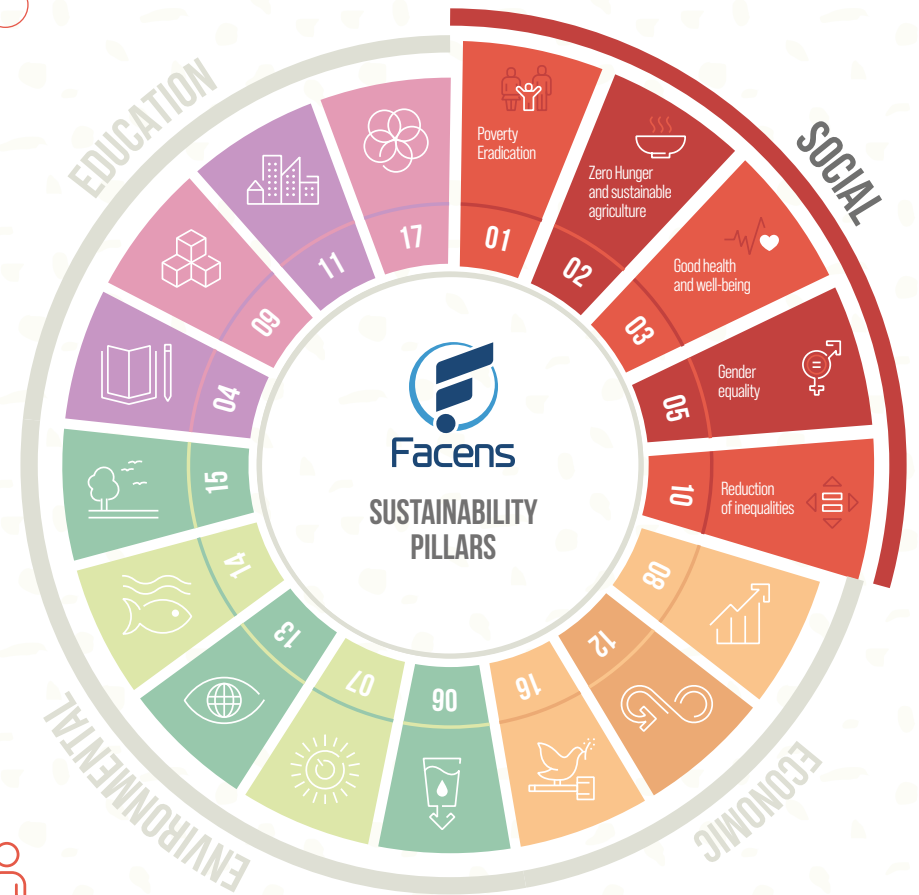
4 BIKE RACKS, TOTALING 28 PARKING SPOTS



Social Pillar



THE SOCIAL PILLAR IS FOCUSED ON PROJECTS THAT AIM TO INCREASE THE QUALITY OF LIFE OF OUR STUDENTS, TEACHERS, COLLABORATORS, AND THE COMMUNITY AROUND US.



SCHOLARSHIP POLICIES AND EASIER ACCESS TO EDUCATION



GOOD HEALTH AND WELL-BEING



SOCIAL ACTIONS AND PARTNERSHIPS



GENDER, RACE AND DIVERSITY EQUITY

Social Projects

- Actions against covid-19
- Enlace (Facens's Social-Emotional Collaboration Lab)
- Empresas do Bem
- Diálogos Contemporâneos
- Social Partnerships - Pastoral da Criança, Instituto Ayrton Senna and Amigos do Bem
- LIS (Facens's Social Innovation Lab)
- Diversity and Inclusion

“ONLY ABOUT 20% OF THE POPULATION BETWEEN 25 AND 34 YEARS OLD HAS A COLLEGE DEGREE IN BRAZIL.”
(INEP, 2019)

Explore this pillar



SCHOLARSHIP POLICIES:

- Philanthropy
- Merit
- Academic Monitoring
- Technical Mentoring
- Scientific Initiation
- Brother/Family Grant
- PROUNI

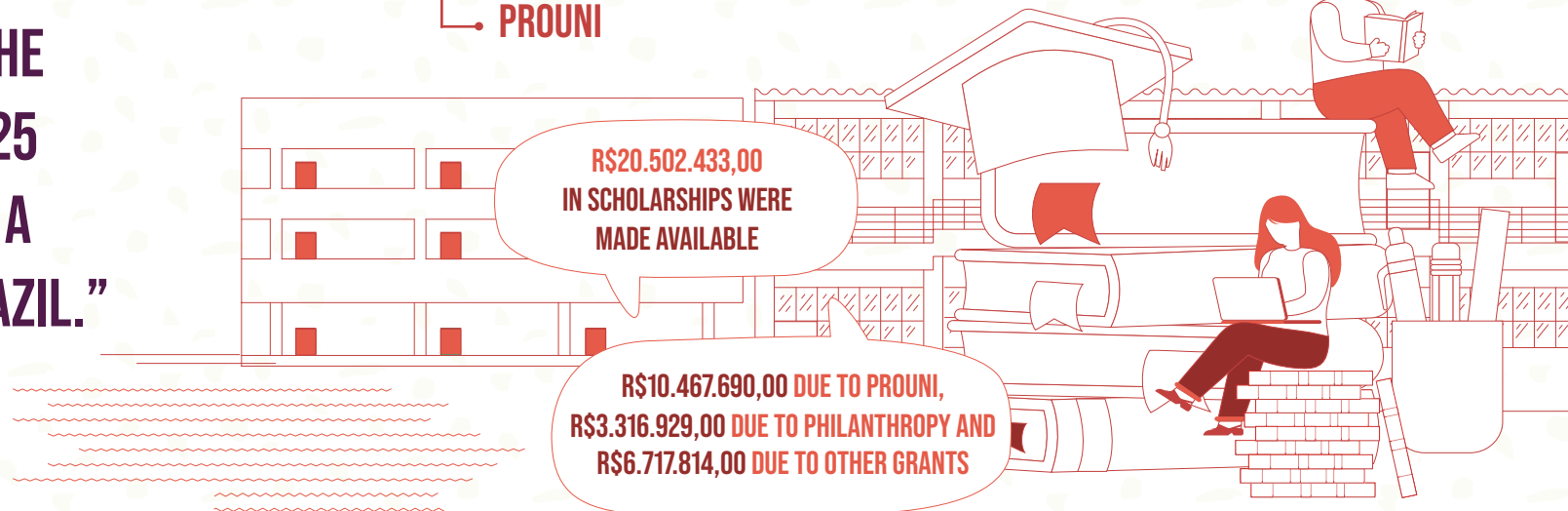
IN THE YEAR 2021

2.174 STUDENTS WERE AWARDED SCHOLARSHIPS AT FACENS

853 STUDENTS GRANTED FULL SCHOLARSHIPS

R\$20.502.433,00 IN SCHOLARSHIPS WERE MADE AVAILABLE

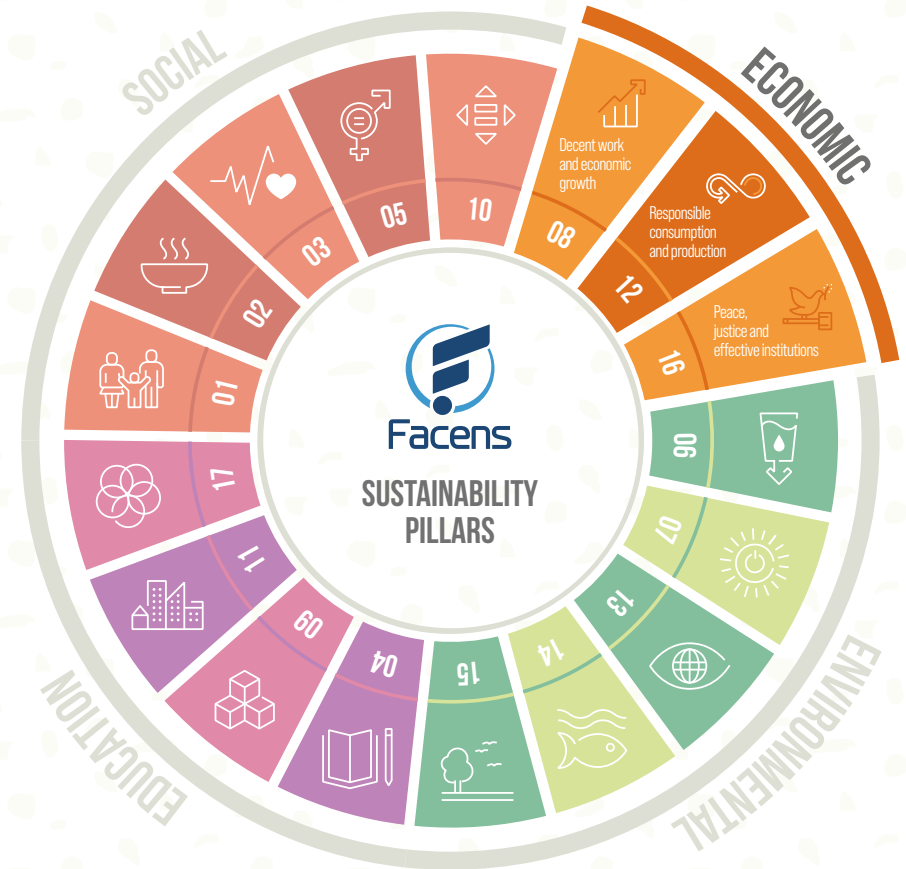
R\$10.467.690,00 DUE TO PROUNI, R\$3.316.929,00 DUE TO PHILANTHROPY AND R\$6.717.814,00 DUE TO OTHER GRANTS



Economic Pillar



THE ECONOMIC PILLAR GUARANTEES THAT A BUSINESS REMAINS PROFITABLE THROUGHOUT ITS OPERATIONS, WHILE ENSURING THAT PROFITABILITY IS ACHIEVED, THUS RESPECTING AND ENHANCING THE SOCIAL AND ENVIRONMENTAL PILLARS OF OUR ORGANIZATION.



GOVERNANCE



STUDENT ENROLLMENT AND RETENTION



EMPLOYABILITY AND CAREER OPPORTUNITIES



MARKET INTEGRATION

Market, employability and career opportunities

Explore this pillar



- Evolution of courses and students
- Health Area
- Career Sector
- IP Facens
- Conscious Capitalism
- Partner Companies



2.561 STUDENTS
participated in some **educational and career orientation** activity in 2021



12.393 STUDENTS
registered in the **Careers Platform**



2.064 COMPANIES REGISTERED
in the **Careers Platform**



EMPLOYABILITY RATE
of our students in their final year:
75% in 2018, 79% in 2019 and 80% in 2020



33 EVENTS
connected to **careers and employability**



+ MORE THAN 600

**PARTNER
COMPANIES**

+ MORE THAN 500

**STUDENTS IN PROJECTS
WITH COMPANY PARTNERS**

+ MORE THAN 400

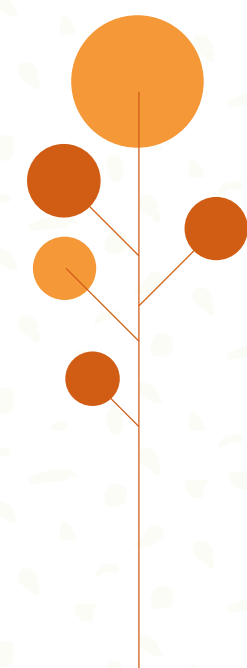
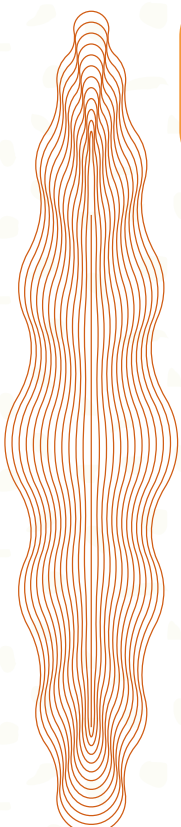
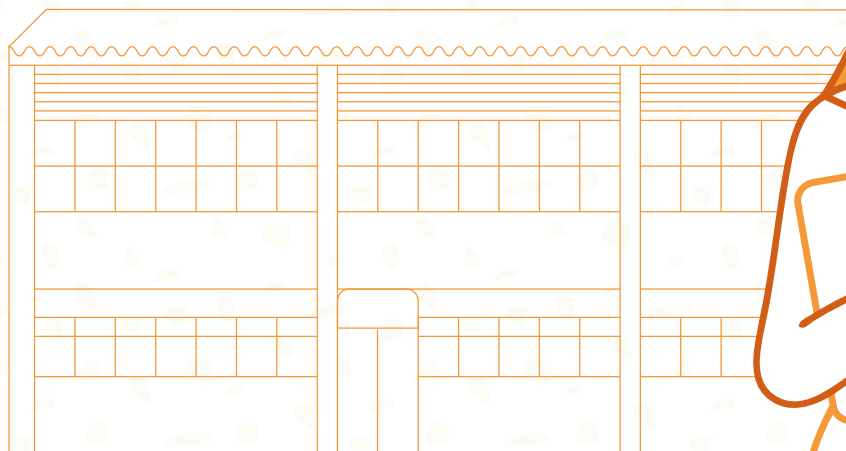
**RESEARCH
PROJECTS**

**ISO 9001
ISO 17025**

**IMPLEMENTATION OF
QUALITY MANAGEMENT SYSTEMS**

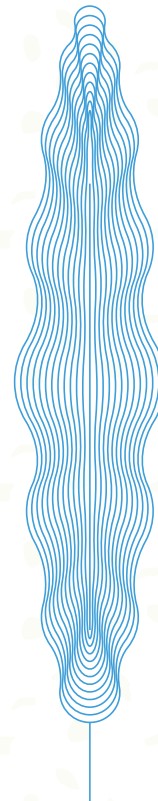
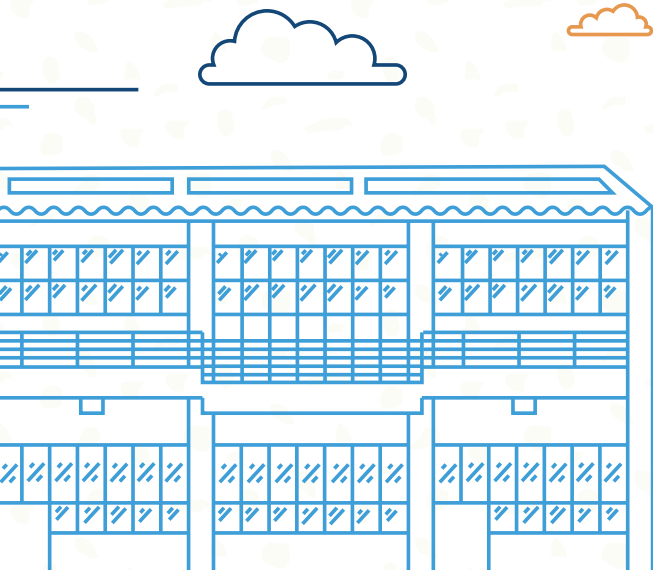
+ MORE THAN R\$15 M

**INVESTED IN
PARTNERSHIPS IN 2021**



Awards and recognitions

**THE FACENS UNIVERSITY CENTER
HAS RECEIVED MANY AWARDS AND
RECOGNITIONS IN INSTITUTIONAL
COMPETITIONS.**





The Facens University Center was considered the most sustainable private Higher Education Institution in the country by the International Ranking UI Greenmetric 2021 edition

Created in 2010 by the University of Indonesia, the UI GreenMetric is the first international ranking that indicates the level of commitment of universities in the world regarding sustainability actions, considering the following categories: Landscape and Infrastructure, Energy and Climate Change, Waste, Water, Transportation, Education and Research. In total, 956 higher education institutions attended, 40 of which were Brazilian.



Report Authors



Ana Carolina Camargo Francisco



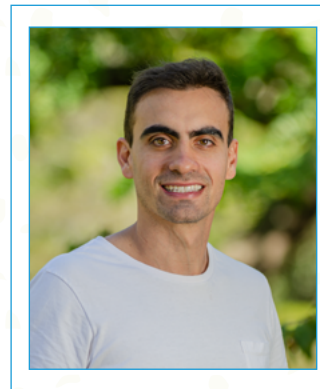
Felipe Hashimoto Fengler



Luciana Gomes Pereira Pinto



Maurício Tolotto



Vitor Belota Gomes





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At ED+ Content Hub, we create educational, audiovisual, and institutional products, as well as technological tools and solutions to make the digital learning process even more exciting.



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