

Sustainability Report

Facens 2023





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“The sustainability revolution will be organic. It will arise from the visions, insights, experiments and actions of billions of people. The burden of making it happen is not on the shoulders of any one person or group. No one will get the credit, but everyone can contribute.”

- Donella Meadows



Manifesto

“The speed at which we have advanced in technological and scientific matters over the past decades has brought both benefits and challenges. Nevertheless, it is clear that the result of what we are currently experiencing is a mismatch between greed and responsibility toward oneself, one’s peers, future generations, and all living beings on this planet.

The fundamental misconception of many humans is believing they are separate from nature, that they are above everything and everyone, and that the planet is here to serve them.

Of course, we all seek happiness and the best for our families, but what is the meaning of these desires if the planet we live on is not healthy? How can we be happy if everything around us is collapsing, with so many tragedies and social inequalities?

As people, professionals, and citizens of the world, our quest as humanity is for balance and the regeneration of the planet.

We all have the power to be agents of change, and only together can we mitigate the projections of the systemic challenges we face.



It is the responsibility of any educational institution to promote the development of more conscious, up-to-date, realistic human beings with a critical sense of the impacts of their actions. And this is the legacy that Facens intends to leave.”

Thais Barros Beldi — Director of Strategy and Innovation

Sustainability Report

With the Sustainability Report of Centro Universitário Facens, we demonstrate the institution’s commitment to aligning with the UN’s (United Nations) 2030 Agenda. In it, you will learn about our pillars of sustainability and main approaches on the subject, track our progress, and, through the Smart Campus® concept, understand how sustainability is implemented in our daily lives. We invite you to be part of this movement. Shall we?



About Facens

Founded in 1976, Facens began as a technical college and became the first higher education institution in the field of Engineering in the city of Sorocaba. In these 48 years of existence, we have been continuously developing. Today, we offer 18 undergraduate courses in the areas of Engineering, Architecture, Technology, and Health, as well as postgraduate courses, MBAs, and specializations.

Our academic excellence is officially recognized by Brazil's Ministry of Education (MEC). We have the maximum score (5); therefore, according to their indicators, we are one of the best higher education institutions in Brazil. In 2024, we inaugurated the Medicine course, also with the maximum score, further expanding Facens' impact in the region.

Furthermore, we are a Smart Campus®, an innovative concept of an intelligent campus patented by Facens. In 2022, we were recognized for the second consecutive time by the UI GreenMetric International Ranking as the most sustainable private higher education institution in Brazil. We support the Conscious Capitalism Brazil and Circular Economy movements and have become signatories of the UN Global Compact, which highlights the importance of sustainability for the organization.

All this aligns with our main objective, which is to develop more conscious and sustainable citizens and professionals who are prepared to deal with the social, economic, and environmental challenges of our planet.

Statement

“Often, society blames the system and places the responsibility for problems or solutions in someone else's hands. Yet behind every technology, every corporate decision, and any enterprise, there's always an individual's thought that turned into action. Everything starts with the individual.

As Paul Polman, former CEO of Unilever, said: ‘The great crisis we face today is a crisis of values, greed, power, and ego. There will be neither money nor technology capable of solving the current challenges unless we elevate our level of consciousness.’



That's why here at Facens, we are committed to the mission of developing students with critical thinking, socio-emotional skills, heightened awareness, and technical knowledge so they are truly prepared to find practical solutions to the significant challenges we face as humanity.”

Vitor Belota — Head of Sustainability

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Smart Campus® Facens

Launched in 2014, Smart Campus® Facens distinguishes itself by transforming our campus into a vast living laboratory focused on studying and implementing innovative solutions aimed at developing Human, Smart, and Sustainable Cities.



We consider our entire ecosystem and operate in a multidisciplinary, integrated manner with other Innovation Centers and departments at Centro Universitário Facens.

Thanks to our pioneering efforts, we hold the trademark for Smart Campus®, a concept that has inspired adoption and replication in universities and innovation hubs worldwide.

Areas of Focus



The projects developed within Smart Campus® Facens are organized into nine key areas of focus. These areas are directly connected to the Pillars of Sustainability of the Facens campus, the UN's 17 Sustainable Development Goals, and ESG (Environmental, Social, and Governance) concepts.



Smart Lab Facens

The Smart Lab is the Innovation Center responsible for the entire process of research, development, testing, analysis, and governance of the solutions applied on Facens' intelligent campus.

Since its inception, the Smart Lab has implemented over 350 projects and various types of IoT (Internet of Things) devices.

All these achievements have led to the campus being recognized as a Reference Center for IoT and 4.0 Technologies by the Brazilian Ministry of Science, Technology, and Innovation.



The Smart Lab also plays a crucial role in research and knowledge dissemination within the concept of Smart Cities, bridging academia, the market, public sector agencies, and society as a whole. It generates academic content for undergraduate and graduate students, as well as

for elementary and high school education, fostering the development of these students not only as professionals but also as citizens.

To assist in the governance of Smart Campus® Facens, the Smart Lab features a large dashboard with information on projects implemented on campus, simulating a Control and Operations Center (CCO – Central de Controle e Operações).



To manage this tool, an internal team specializes in integrating different device communication protocols, including LoRa, Bluetooth, ZigBee, Wireless, 5G, among others. This expertise allows for continuous updates in line with the latest market technologies.

The dashboard also serves as a valuable resource for students, professors, and researchers in project development, as it provides a platform for data collection, storage, and transformation.

Highlights of 2023

Projects

Energy Management Program (PGE – Programa de Gerenciamento de Energia)

The Energy Management Program (PGE – Programa de Gerenciamento de Energia) at Smart Campus® Facens was designed to promote more effective energy management practices while simultaneously revitalizing the Internal Energy Conservation Committee (CICE – Comissão Interna de Conservação Energética). This initiative directly responded to the need for improvements in the energy data monitoring and management system, aiming to enhance the accuracy of the energy generation and consumption records displayed on the Smart Lab dashboard at the Facens campus.



The Energy Management Program was structured around three fundamental strategic pillars:



Energy Diagnosis

Conducts a thorough assessment of energy consumption, providing a solid foundation for analysis.



Index Control

Employs rigorous analysis and continuous monitoring to efficiently manage energy indicators.



Program Communication

Actively promotes the program and its results, encouraging awareness and engagement in energy efficiency.



This holistic approach not only aimed to reduce energy consumption but also promoted the transformation of the campus into a more sustainable and energy-responsible environment. It aligns with global sustainability goals and reinforces the campus's commitment to environmental stewardship.

Integration of Photovoltaic Plants

Facens campus stands out for its adoption of sustainable solutions and promotion of renewable energy, operating two photovoltaic plants—the first inaugurated in 2016 and the second at the end of 2022.

The project to integrate these photovoltaic plants aims to enhance the management and monitoring of solar energy production, which now accounts for 19% of the campus's energy usage.



This project was executed following a structured plan divided into key steps:



Mapping and Evaluation of the Plants

A detailed survey of the technical characteristics and monitoring systems of both plants was conducted to identify synergy points and areas requiring adjustments for integration.



2

Unification of Data Systems

The second step involved harmonizing the data collection systems to ensure that information from both plants is compatible and can be effectively integrated into the Smart Lab dashboard.

3

Development and Implementation of a Visualization Interface

Finally, a dedicated interface was developed on the Smart Lab dashboard to clearly and accessibly display combined information on energy production and plant efficiency.



Meteorological Alert System

Facens campus features an advanced weather station that provides valuable climatic data to the institution. The project aims to maximize the use of this resource and its accumulated database to develop decision-support systems for campus governance.



Specifically, it seeks to generate alerts for extreme weather events that could affect drainage, cause water scarcity, or impact irrigation management and crop growth.

To achieve these goals, the project was divided into three main phases:

1

Evaluation of Variables and Historical Data Review

The initial phase focused on identifying and examining available meteorological variables and analyzing the historical data collected by the station.



2

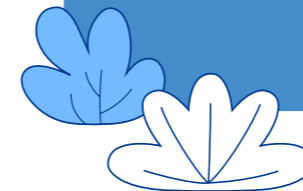
Data Consistency Analysis

A thorough verification of the quality and reliability of the collected data was performed to ensure the accuracy of the information used in subsequent phases.

3

Development of Systems for Integration into the Smart Lab Dashboard

An innovative system was developed and integrated into the existing dashboard, enhancing the ability to monitor and respond to adverse weather conditions.



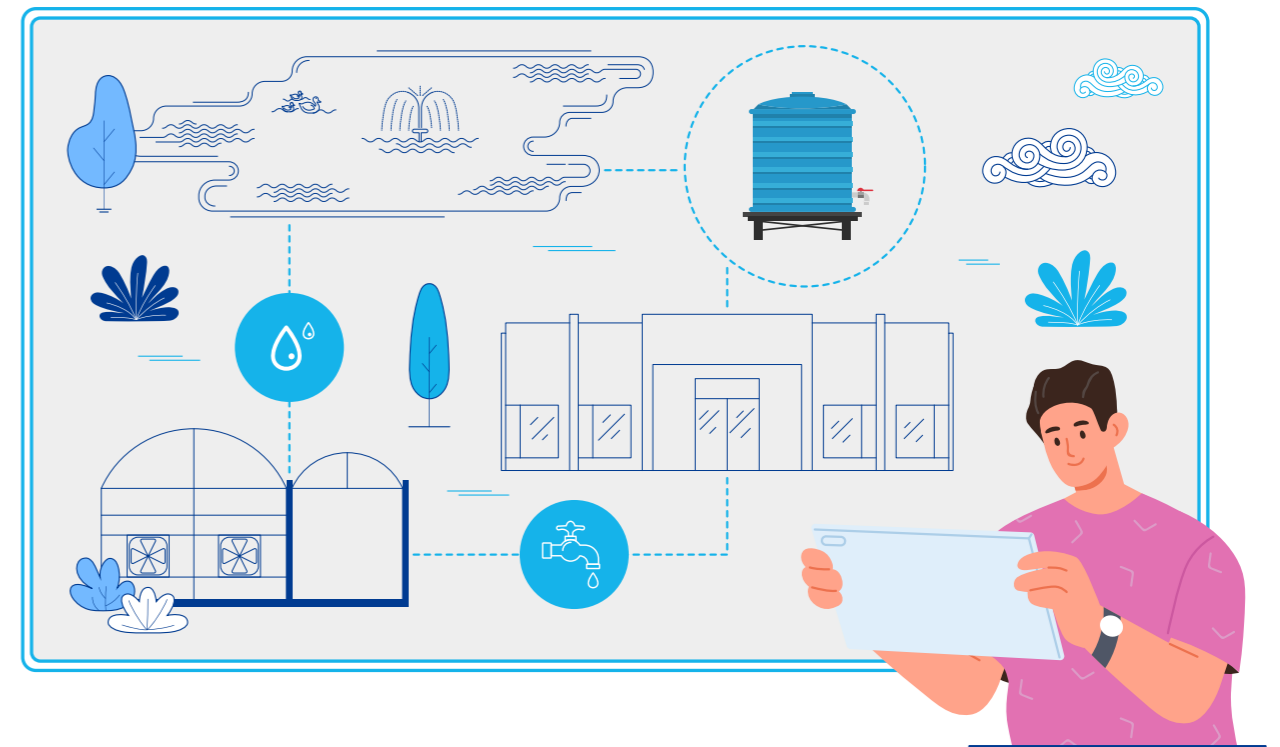
Water Rights Monitoring



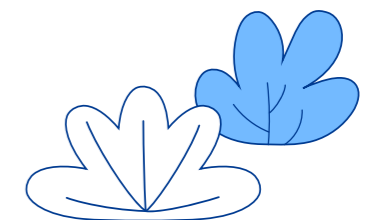
Centro Universitário Facens successfully implemented an advanced monitoring project for its water supply system, consisting of four main sources: the distribution point from SAAE - Serviço Autônomo de Água e Esgoto (Autonomous Water and Sewage Service), an artesian well, a shallow well, and a lake. Each source is monitored by state-of-the-art water meters that provide real-time consumption data, already integrated into the Smart Lab Dashboard. It's important to note that withdrawals from the artesian well, shallow well, and lake are regulated by water rights permits, establishing daily consumption limits and maximum usage times.

The project aimed to enhance the existing monitoring system by organizing and simplifying the visualization of water consumption information.

One of the most significant innovations was the creation of alert systems that improve water consumption governance. These alerts serve both strategic analysis—assessing the need to request increases in water rights permits—and operational control—assisting in the proper sizing of the system.



With this project, Facens reinforces its commitment to the sustainable management of water resources, establishing an effective and innovative model for water monitoring and governance on the Smart Campus®.

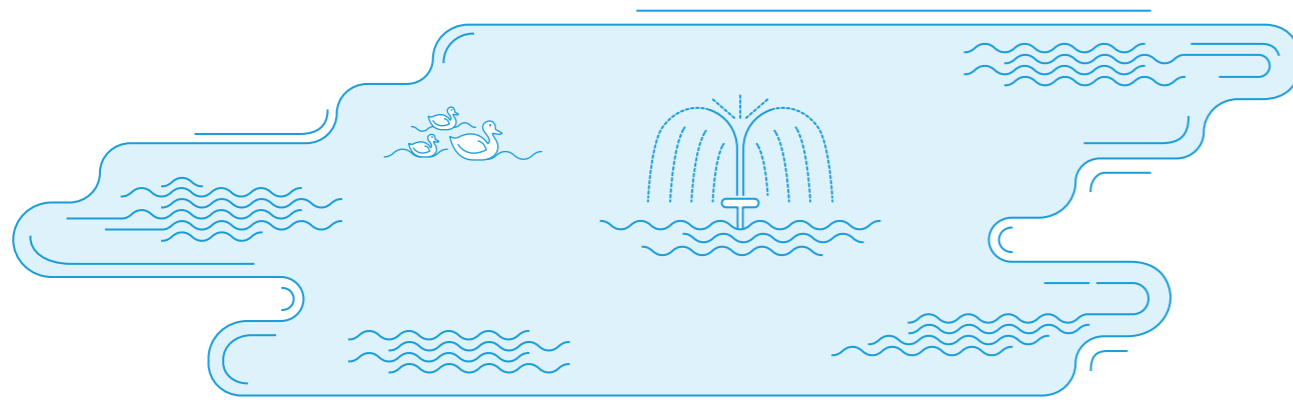


Monitoring the Stream Level on the Facens Campus

This project aims to evaluate hydrological variations, focusing on the water level of the stream that runs through the campus. Complemented by additional monitoring of the Facens lake, the project integrates various data to create predictive models and issue alerts to prevent overflow risks.

The data collected and analyzed enable the anticipation of potential flood events, identification of patterns for proactive alert issuance, and adoption of effective water management strategies. This includes adjustments in campus water consumption and storage, significantly improving the ability to respond to challenges that could compromise the drainage system, cause water scarcity, or require changes in water management practices.

Thus, the “Monitoring the Stream Level on the Facens Campus” project enhances the campus’s resilience to hydrological variations and establishes a water resource management model that can be replicated by other institutions and communities facing similar challenges.



Achievements

[Click here to learn more about all our achievements.](#)



January

Brasil Digital para Todos Award



On January 16, 2023, Prof. Dr. Regiane Relva Romano received the award of Ambassador of Brasil Digital para Todos for her contributions to the country’s digital advancement and for consolidating the Brazil Digital for All movement.

February

LEAP 2023



At the LEAP 2023 conference held in Riyadh, Saudi Arabia, Prof. Dr. Regiane Relva Romano, director of Smart Lab Facens, participated in a panel discussing the themes: “No One Left Behind, Accessibility, Inclusiveness, Building a Human-Centric City,” alongside prominent panelists from other countries.

March

Smart City Expo Curitiba



From March 22 to 24, 2023, Smart Campus® Facens participated in the Smart City Expo Curitiba, one of the main events on Smart Cities and urban solutions. This edition addressed topics such as transportation, infrastructure, technology,

and security (including Big Data, blockchain, and cybersecurity). Organized in partnership with Fira Barcelona, the event gathered experts to discuss solutions for a more sustainable urban future.

April

Meeting Between Facens Alumni and MBA Students in Management and Innovation in Smart Cities



Organized by Prof. Karina Leonetti and Prof. Dr. Regiane Relva Romano, the “Sorocaba 2050” event took place in April 2023. MBA students in Management and Innovation in Smart Cities interacted with Facens alumni to explore partnerships and collaborations. Participants also visited the Smart Campus® Facens facility at the Sorocaba Technology Park.

CSC GovTech



Representing Smart Campus® Facens, Prof. Dr. Regiane Relva Romano participated in the panel “Connectivity and Networks” at the GovTech event held in April 2023 by Connected Smart Cities (CSC), where initiatives related to 5G and its role in solutions for Smart Cities were presented.

May

Smart City Business America Lecture



Prof. Dr. Regiane Relva Romano participated in the Smart City Business Brazil Congress 2023, joining a panel on the importance of strengthening technology parks for the development of solutions and their adoption for digital transformation in Brazilian cities. The event brought together innovation companies, mayors, secretaries, governors, and the entire ecosystem focused on Smart Cities.

June

Imaginal Transformation Workshop



Representing Smart Campus® Facens, Prof. Dr. Regiane Relva Romano, along with Thais Beldi (Facens trustee), Vitor Belota (Sustainability Coordinator), Rodolfo Pinelli (ED+ Coordinator), Natália Marangão (FACE Coordinator), and Wilson Júnior (LIGA Coordinator), participated in an intensive workshop on Imaginal Leadership, inspired by the book *Becoming Imaginal* by Tom Rudmik. Held on June 13, the event focused on enhancing personal perception, creativity, and individual growth.

1st Ibrawork Challenge



On June 26, the 1st Ibrawork Challenge for Smart Cities took place, an event aimed at awarding startups that offer innovative solutions for Smart Cities in areas such as mobility, security, infrastructure, waste management, municipal operations, planning, management, logistics, and ecological solutions, aiming to improve the quality of life in urban centers.

September

IEREK – Climate Change Environmental Sustainability (CCES)

In September, representing Smart Campus® Facens, Prof. Dr. Regiane Relva Romano participated in the IEREK conference, a global forum for academics and researchers to discuss strategies against climate change. She presented contributions and projects from Smart Campus® Facens, both internal and external, focused on addressing climate issues.



October

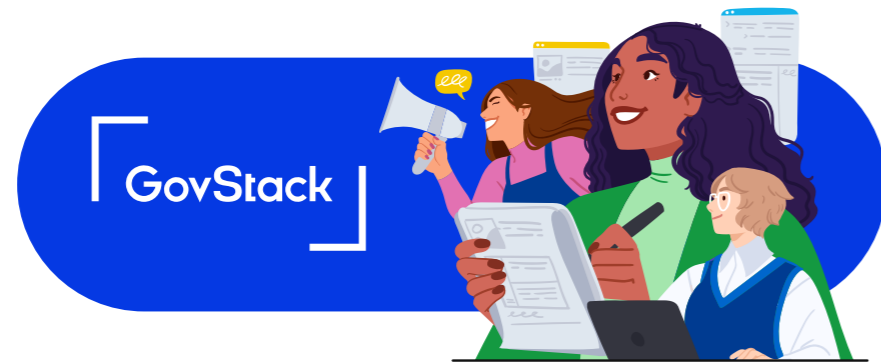
First International Module in Dubai



In October, Prof. Dr. Regiane Relva Romano led approximately 25 students from the first International Module in Management and Innovation in Smart Cities to Dubai, where she had the opportunity to speak for the fifth time at GITEX, one of the leading technology events in the Middle East, North Africa, and South Asia.

November

GovStack Women in Tech



In November, representing Smart Campus® Facens, Prof. Dr. Regiane Relva Romano accepted the invitation to participate in the GovStack Women in Tech 2023–2024 program. The initiative aims to empower women in technology with the skills and knowledge to develop, implement, and manage digital government services, enhancing efficiency, engagement, trust, and citizen satisfaction through the GovStack Approach.



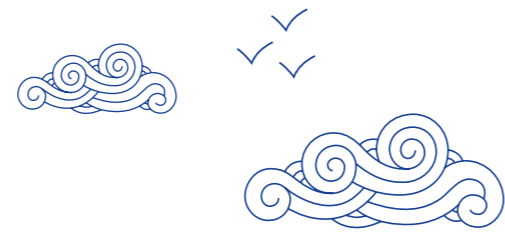
Pillars for Sustainability

At Centro Universitário Facens, our primary mission is to guide our students, professors, and collaborators to develop a systemic perspective and understand, practically, the importance of sustainability for transforming our present and building our future.

Therefore, we promote education aligned with the social, environmental, and economic needs of our society and the planet.

All institutional projects are divided into four pillars: Social, Economic, Environmental, and Education for a Sustainable Future. Each pillar is subdivided into priority themes that are directly connected to the United Nations' 2030 Agenda Sustainable Development Goals (SDGs).





Get to Know Our Areas of Focus



Environmental	Education	Social	Economic
<p>Energy and Climate Change</p>	<p>Quality Education</p>	<p>Scholarship Programs and Inclusive Education</p>	<p>Governance</p>
<p>Nature, Ecosystems, and Biodiversity</p>	<p>Sustainability Research</p>	<p>Health and Well-being</p>	<p>Student Enrollment and Retention</p>
<p>Waste Management</p>	<p>Sustainability Outreach</p>	<p>Gender, Racial, and Diversity Equity</p>	<p>Market Integration</p>
<p>Sustainable Water Use</p>	—	<p>Social Actions and Partnerships</p>	<p>Employability and Career Opportunities</p>

Environmental Pillar



As a smart and sustainable campus, Centro Universitário Facens understands that caring for the environment depends on the awareness of everyone who lives in this space. Therefore, we strive to educate our community and develop solutions that minimize and regenerate environmental degradation, enhancing human development and the well-being of all living beings.

The Environmental Pillar is composed of four areas of focus: **Energy and Climate Change**; **Waste Management**; **Sustainable Water Use & Nature, Ecosystems, and Biodiversity**. We work systemically within each area, adopting sustainable practices on our campus with the goal of building a more sustainable future for all. These areas primarily encompass SDGs 6, 7, 13, 14, and 15.



Areas of Focus:



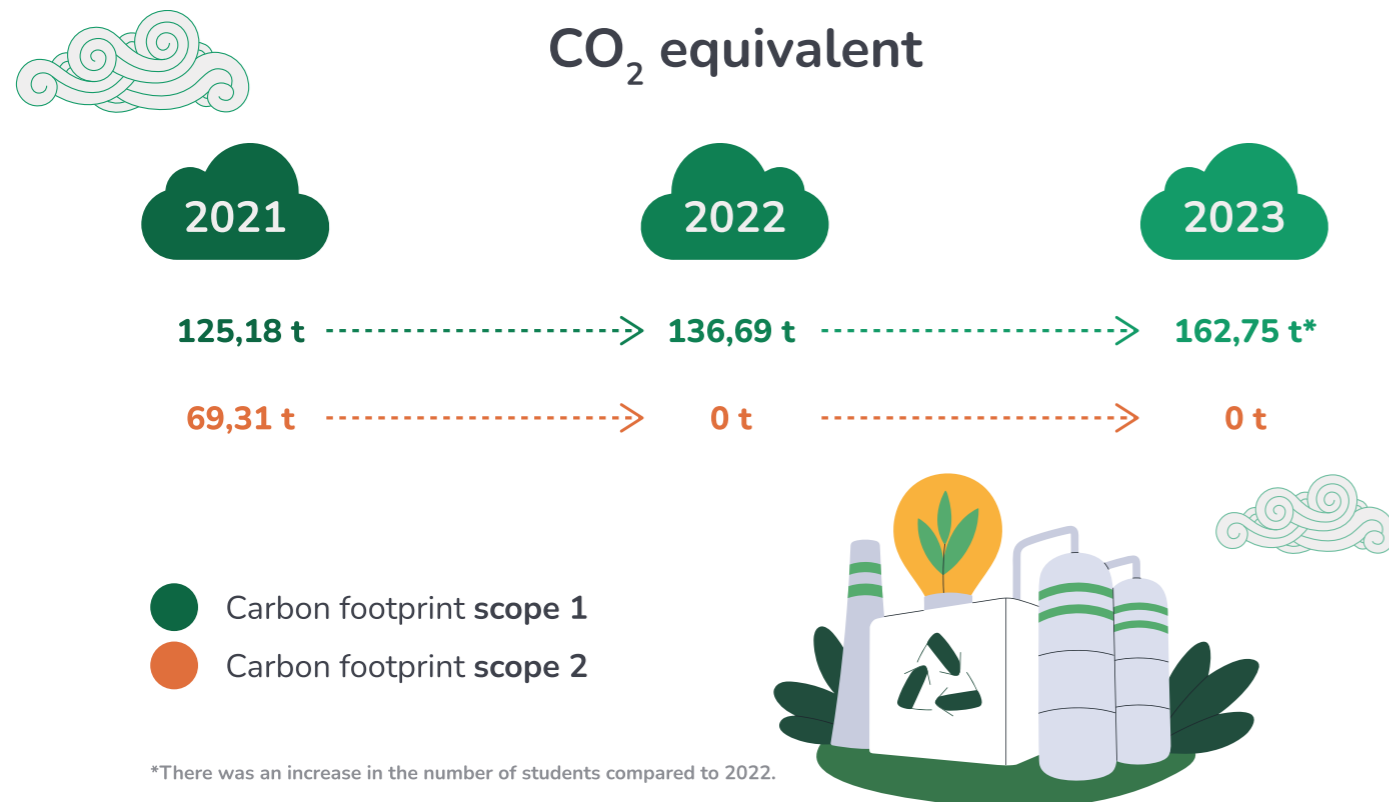
Carbon Footprint

Being aware of environmental challenges, we continuously monitor our emissions and seek solutions to minimize our carbon footprint—the amount of greenhouse gases (GHGs) we emit.

The carbon inventory is quantified in two scopes:

Scope 1: Emissions from mobile combustion sources, including transportation and campus operations — operational fleet and vehicle circulation on campus in 2023 (staff, students, and visitors) — totaled 162.75 tons of CO₂ equivalent.

Scope 2: GHG emissions from the acquisition of electricity consumed in 2023 amounted to 0 tons of CO₂ equivalent.



Emissions calculated according to the emission factors of the UI GreenMetric World University Rankings.

Scope 2 emissions were neutralized through the acquisition of consumed energy from renewable sources in the free energy market starting in 2022.



Acquisition of Contracted Energy from Renewable Sources (I-REC)

Since 2022, we have obtained a total of 979 MWh of energy in the free energy market, acquiring 100% of the consumed energy from renewable sources. This results in a total of 979 RECs accumulated in 2023.



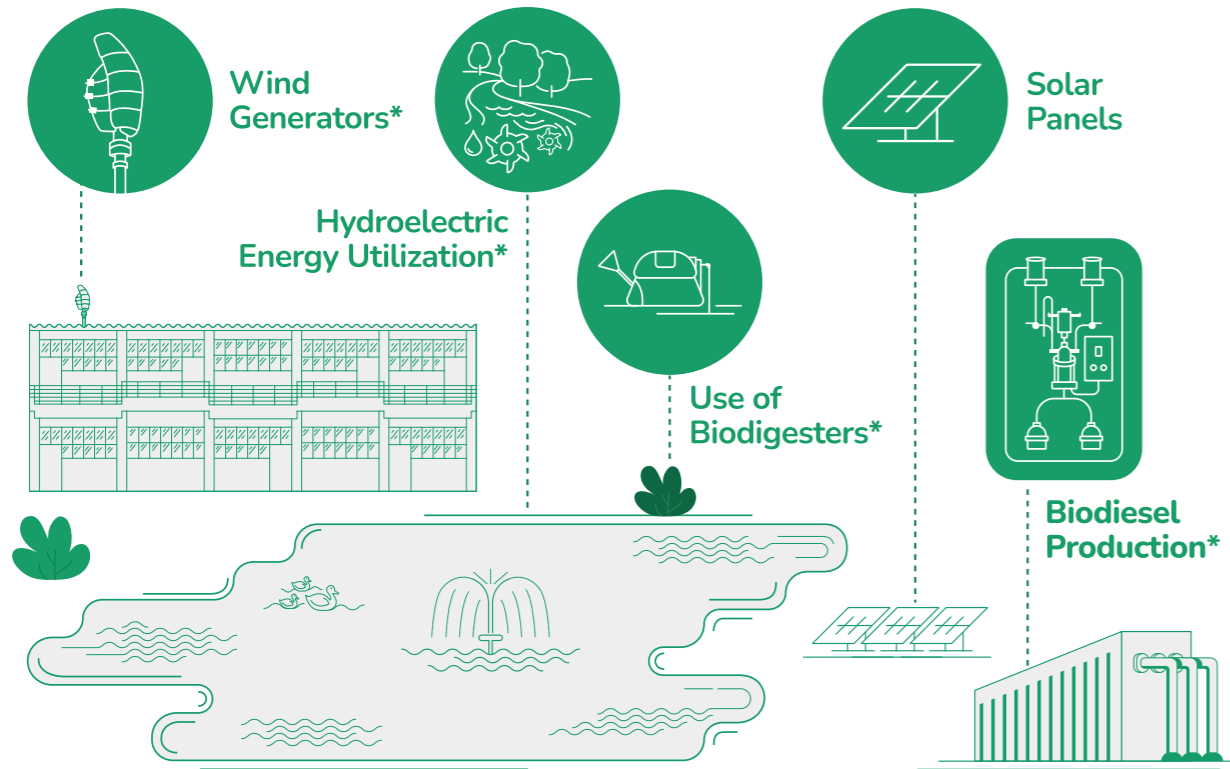
The International REC Standard (I-REC) is a global system with a unified methodology that certifies the origin of energy as renewable. REC certificates represent that the amount of electricity purchased and consumed was generated from renewable sources (each REC equals 1 MWh of renewable energy consumed).

Experimental Units for Renewable Energy Generation

Centro Universitário Facens is committed to constantly developing new solutions for clean energy generation. Our goal is to offer students a broad understanding of global energy trends. This includes hands-on experience in addressing climate change through innovation and entrepreneurship.

Over the years, we've developed a variety of innovative solutions encompassing various renewable energy sources.

Notable projects include:



*The experimental units that produce biogas, wind energy, hydroelectric energy, and biodiesel are not connected to the campus electrical grid.

These projects are conducted both institutionally—through initiatives led by Facens—and by our students, who have the opportunity to apply their theoretical knowledge in practice, developing real projects that contribute to the pursuit of a more sustainable energy matrix.

At Facens, we believe that education and research play a fundamental role in promoting innovation and advancing technologies aimed at clean energy generation. By equipping our students with technical skills and advanced knowledge, we are preparing a new generation

of professionals to face the environmental and energy challenges of the future while simultaneously driving sustainable socioeconomic development in our community and the world.



Recyclable Waste

At Facens, we divert from landfills:

- 60,8% of all solid waste produced in 2021;
- 67,2% of all solid waste produced in 2022;
- 69,7% of all solid waste produced in 2023;
- In 2023, **6.390kg** of solid waste were recycled.

Organic Waste

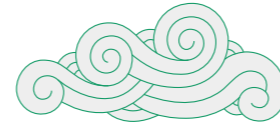
In 2023, with our composting infrastructure, we managed to keep 100% of the organic waste produced in the cafeteria and restaurant away from landfills.

We successfully **reused 1,147 kg of food waste** in 2023.

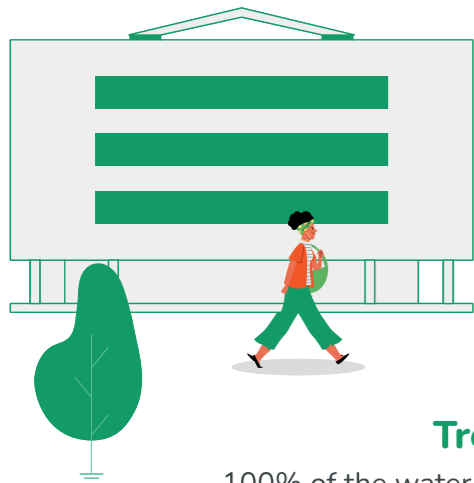
Composting

The remaining food waste is used in our biodigester, producing biofertilizer and biogas. Raw vegetable waste is mixed with tree pruning residues to produce compost utilized at Facens.

Conscious Water Use



Centro Universitário Facens was recognized in the 2023 UI GreenMetric Ranking, achieving the highest score in indicators related to water use efficiency and aquatic pollution control on our campus.



100% Smart Water Meters

15 smart meters installed on the Smart Campus®.



Green Areas

100% of the water used for irrigating Facens gardens comes from the campus lake.

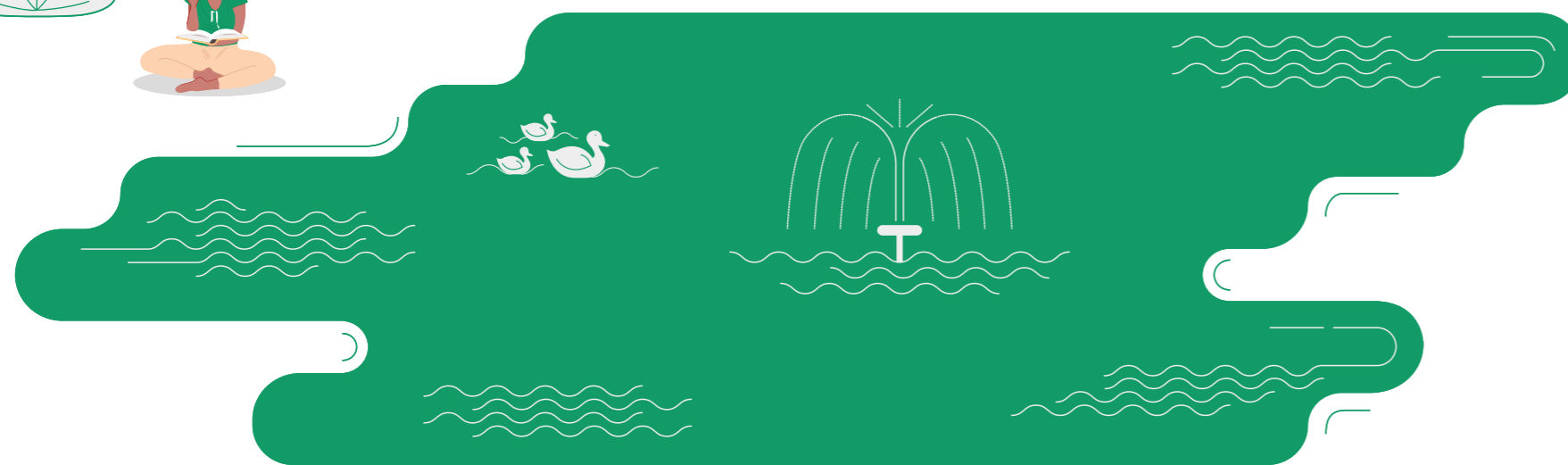
Treatment System

100% of the water consumed on campus is treated internally, including lake water.



100% Efficiency

In the use of water for sanitary devices and irrigation.



Energy and Climate Change

Climate change is considered one of the greatest threats to our planet and humanity. Its consequences are already affecting various aspects of our lives, from health to the global economy. At Centro Universitário Facens, we have adopted several initiatives to reduce greenhouse gas (GHG) emissions from our daily activities, as well as to develop and implement new technologies for clean and renewable energy production.



“Switching energy systems from fossil fuels to renewables like solar or wind will reduce the emissions driving climate change. But we have to start now.”

- United Nations/UN Brazil

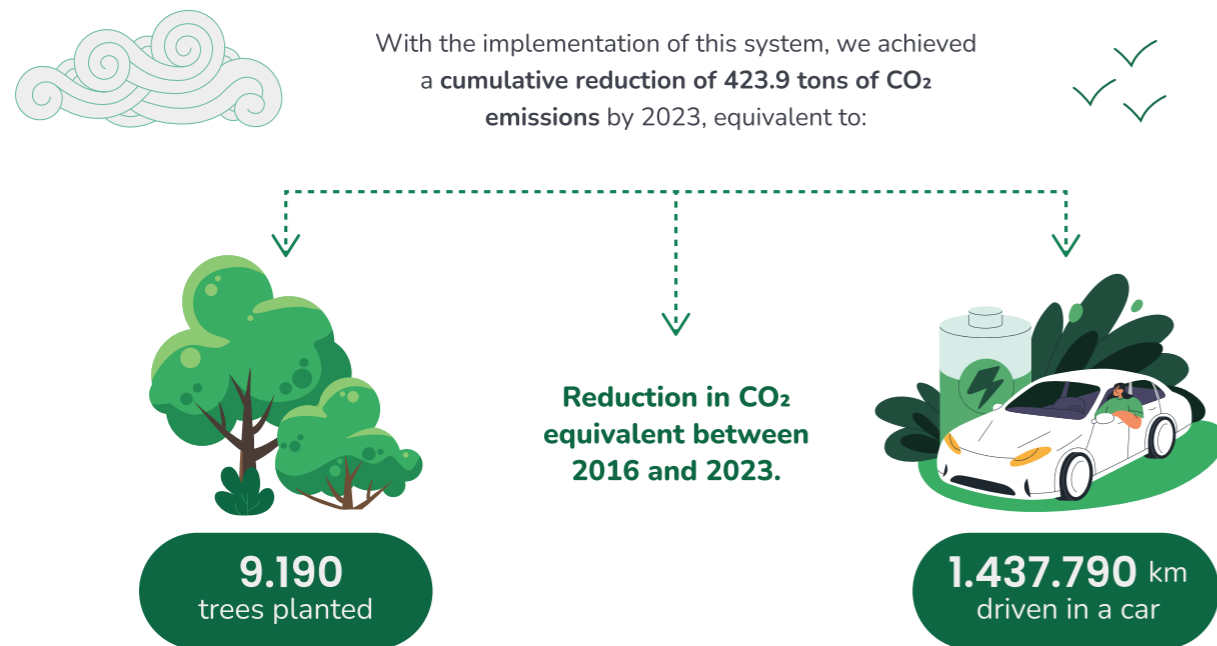


Programs to Reduce Greenhouse Gas Emissions

Clean Energy Production

We have a solar photovoltaic energy generation system with a nominal capacity of 225 kWp. This allows us to generate over 19% of all electrical energy consumed on campus from this renewable source.

Photovoltaic Production System



Energy Efficiency Plan

In 2023, we reached an important milestone at Centro Universitário Facens: we began developing our Plano de Eficiência Energética (PEE – Energy Efficiency Plan) by implementing a control and management system for all electrical energy consumption on our campus.

This allows us to accurately quantify:

- Our energy consumption stratified by the distribution system.



This enables us to identify areas with higher consumption, recognize patterns and peak usage times, and plan actions to improve our energy efficiency.

- Savings generated by the photovoltaic system.



We can precisely understand our financial savings from energy generation through the photovoltaic system, valuing both environmental sustainability and the financial sustainability of our operations.

This comprehensive and precise view of our energy consumption facilitates the analysis of individual photovoltaic systems' efficiency and, in the future, the enhancement of energy efficiency across Centro Universitário Facens.



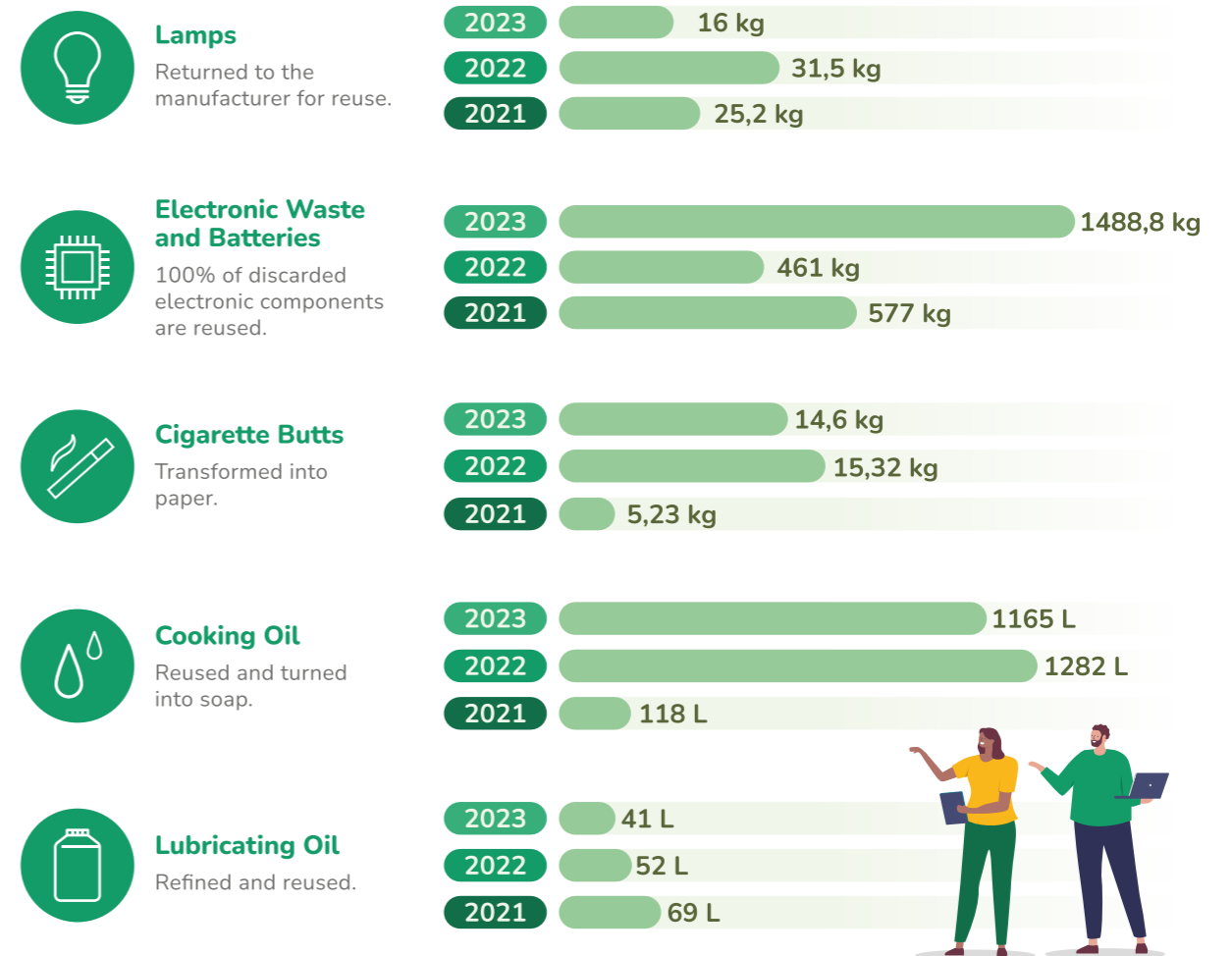
Solid Waste Management

The issue of solid waste is a concern across all sectors, including education. Our challenges involve institutional behavioral changes, addressing cultural paradigms, and the need for innovation and commitment to implementing the 5Rs: Rethink, Refuse, Recycle, Reduce, and Reuse.

At Centro Universitário Facens, we strive to minimize waste generation and implement sustainable management practices such as reduction, reuse, recycling, and composting. We continually seek to improve our processes, encouraging awareness and participation from the university community in sustainable waste management.



Here's how we manage our waste:



Community Actions

Throughout 2023, we organized **7 events** and posted **30 articles** on the Facens Blog to raise awareness in our community about the issue of solid waste.



Paper

Since 2022, we've taken steps to reduce paper consumption at Smart Campus® Facens. We prioritize using the virtual learning platform for assessments, assignment submissions, and e-books in our courses.

As a result, we've achieved an 80% reduction in paper consumption in academic activities.



Plastic

In 2023, we continued our efforts to eliminate plastic usage at Smart Campus® Facens. We use biodegradable plastic bags and have replaced plastic cups and straws with paper alternatives.

We also distributed to our students and staff:

- 1,750 mugs
- 1,750 reusable bottles
- 865 bags made of 100% biodegradable plastic



Sustainable Water Use & Biodiversity

Sorocaba occupies a strategic region in terms of water and biodiversity, allowing us to enjoy environmental services and ecosystem beauty, but it also brings significant responsibilities. Two tributaries of the Sorocaba River run through the Smart Campus® Facens, making their preservation both fundamental and challenging. Additionally, the city is located in an ecotone—a transition area between the Atlantic Forest and the Cerrado—housing rich biodiversity and unique endemic species that not only beautify the landscape but also express one of our fundamental values: life.



Participation in the River Basin Committee

Centro Universitário Facens is a member of the Sorocaba Médio Tietê River Basin Committee*, working alongside other organized civil society members in a participatory and collaborative manner to discuss

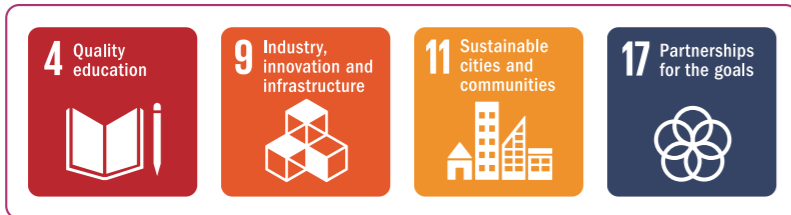
and develop policies and practices for sustainable water resource management.

*“The River Basin Committees, entities of the National Water Resources Management System, constitute the ‘Water Parliament,’ a space where representatives of the basin community discuss and deliberate on water resource management, sharing management responsibilities with public authorities.”
ANA (National Water Agency)

To learn more about the River Basin Committees, [click here:](#)



Pillar: Education for a Sustainable Future



Centro Universitário Facens is committed to educating for a sustainable future. This commitment is reflected in various initiatives and programs we've implemented. We integrate sustainability education into our undergraduate and postgraduate courses, offering specific subjects on the topic and encouraging the incorporation of sustainable principles in student projects.

Additionally, we partner with local and national organizations to promote sustainability through environmental awareness projects and volunteer programs, allowing our students to contribute real solutions to society. All these efforts support our goal of developing highly qualified professionals equipped to work on impactful projects and solutions, who are conscious citizens contributing to a cleaner and greener economy. The Education for a Sustainable Future pillar consists of three areas: **Quality Education**, **Sustainability Research**, **Sustainability Outreach**. These themes encompass Sustainable Development Goals 4, 9, 11, and 17.

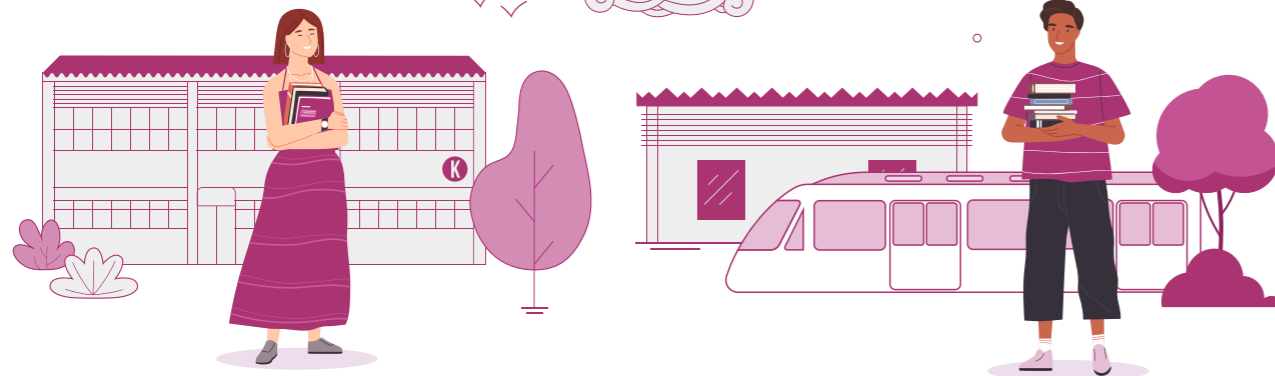


Areas of Focus:



UPX: 526 sustainability-related projects in 2023.

Over 2,500 students benefited from the **Enlace Metro** program.



Social Innovation Laboratory (LIS) Trainings:

- **107 teachers** impacted through workshops on Education for a Sustainable Future and Practical Transformative Learning Methodologies.
- **1,179 students** engaged through Zero Month initiatives, workshops, and other sustainability-focused activities.



88 students graduated from the **MBA in Management and Innovation in Smart Cities** in 2023, totaling 119 students across 8 completed classes.

28 students participated in **international mobility programs**.

Sustainable Educator Award: 26 projects submitted with over 1,000 public votes.



Possible Worlds (Mundos Possíveis) Project:

- **163 students** involved in 2023.
- **365 individuals** assisted, including indigenous people, quilombolas, Haitians, and those in vulnerable situations from communities like Guyra Pepó Indigenous Village, Vila Rica, Cafundó Quilombo, Canta Sapo, Vitória Régia neighborhood, and Dandara Occupation.

Quality Education

The educational model at Centro Universitário Facens positions students as protagonists in their learning process, combining theory and practice through real-world challenges from the market, society, and the planet.

Our holistic development approach encompasses technical and behavioral competencies, stimulating self-awareness, proactivity, and entrepreneurship.



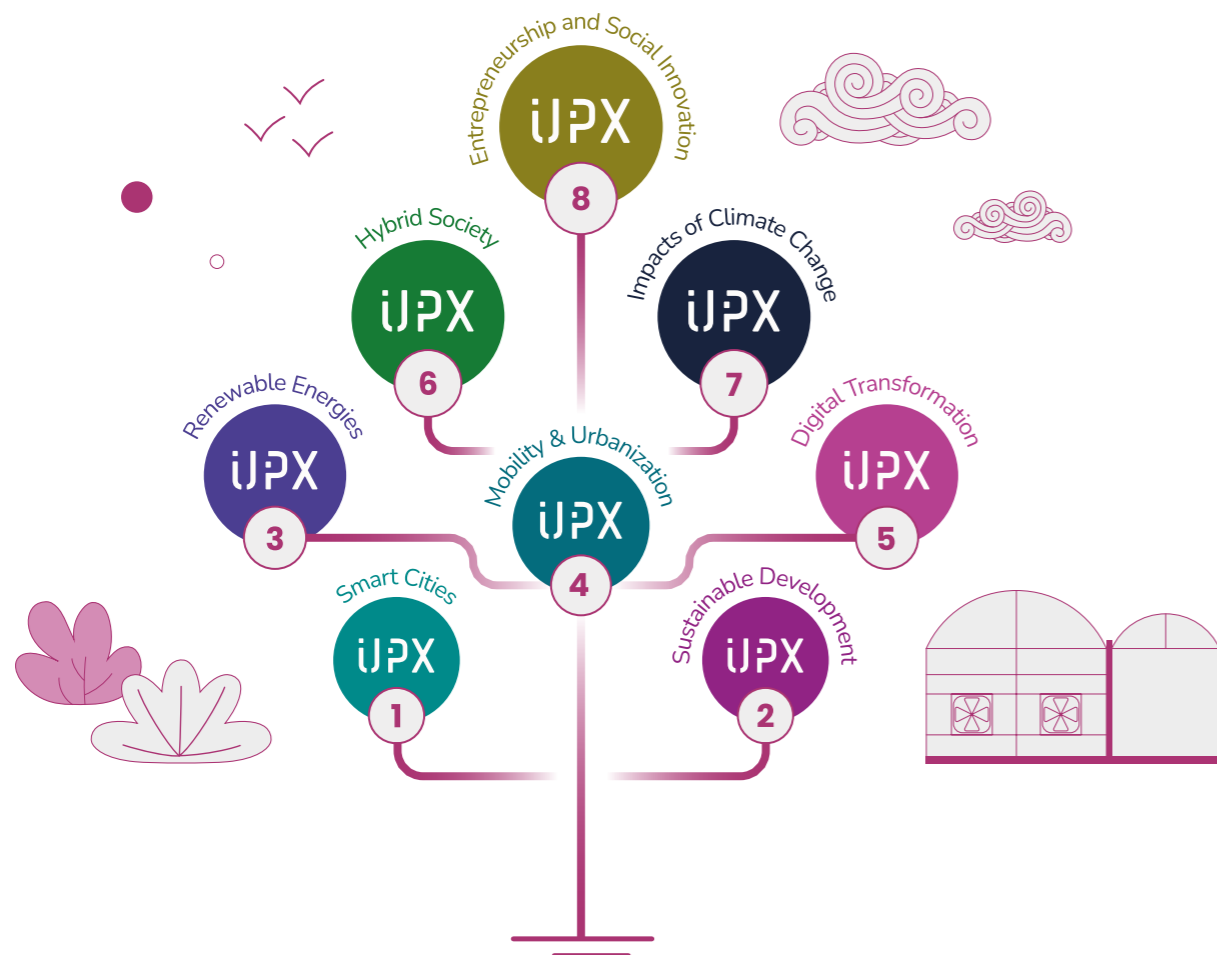
“Without education for sustainability, we cannot build a more just and equitable society for all.”

- David Orr

Experimental Projects Hub (UPX)

The Experimental Projects Hub (UPX) is a module within the curriculum of our undergraduate courses, promoting the development of technical and socio-emotional skills, as well as expanding socio-environmental awareness and entrepreneurial attitudes. Our students devise solutions for a wide range of challenges, addressing both local and global issues, thereby meeting socio-environmental and market demands. UPX activities are always aligned with the Sustainable Development Goals (SDGs) and the Sustainable Projects Guide of Centro Universitário Facens.

Our educational model aims to develop a systemic, multidisciplinary vision in our students, integrated with the entire Smart Campus® Facens ecosystem. Each semester in the Engineering and Technology courses focuses on a macro theme in UPX:



Postgraduate Programs

In 2023, we offered 18 postgraduate courses at Centro Universitário Facens, totaling 76 classes that benefited from our infrastructure and various opportunities for professional and personal development. Notably, the MBA in Management and Innovation in Smart Cities provides solid training in management and insights into trends and innovations applicable to conglomerates and cities, making them smarter, more humane, and sustainable.

The MBA offers a holistic view of key national and international case studies and best practices in areas such as energy, health and quality of life, industry, education, urban mobility, transportation, security and cybersecurity, information and communication technology, social innovation, environment, architecture and urbanism, and new business models.

Learn more about our postgraduate courses



Possible Worlds (Mundos Possíveis)

The “Mundos Possíveis: onde olhares se cruzam” (Possible Worlds: Where Perspectives Cross) extension program, developed by Enlace (Emotional Collaboration Laboratory), involves Facens students in communities in Sorocaba and surrounding regions, connected to NGOs and community collectives. The methodology includes visits, diagnostics, and the development of transformative proposals by students and community actors in a longitudinal format—each semester, students from different courses and disciplines develop individual and collective proposals, continuing the process from the previous semester.

Engaging in change-making activities, improving people’s quality of life, and applying academic knowledge in real-world contexts brings satisfaction and encourages these practices. It fosters in future professionals a responsible and committed outlook toward the needs of vulnerable populations. Benefits for communities include:



Groups of 8 to 10 students are responsible for a community each semester, where they promote transformative initiatives such as home renovations, building toys, health awareness campaigns, and donations.

Project Phases:

- Phase 1** Initial engagement with the community, accompanied by the course professor and tutors who live or work there.
- Phase 2** Fostering relationships, identifying key actors, and establishing intervention plans.
- Phase 3** Students execute interventions and complete proposed projects, aiming to identify local talents. Throughout the semester, professors and mentors guide students in biweekly one-hour sessions to develop goals and tasks.
- Phase 4** Feedback is collected, and proposals for the next semester are formulated.

These actions have uncovered “invisible” talents within communities—dancers, poets, painters, musicians, artisans, entrepreneurs, and builders. Supporting these talents not only offers development opportunities but also promotes diversity and stimulates innovation and economic growth. Such efforts empower communities and inspire others to pursue their aspirations, creating a virtuous cycle of achievement.

The interventions contributed to holistic care, fostering connections, strengthening bonds, and raising awareness of rights, thereby making “possible worlds” a reality and building relationships beyond the classroom.

Students engaged with various communities, including indigenous villages, homeless populations, quilombolas, women victims of violence, and children.



Mundos Possíveis



To learn more about Mundos Possíveis, visit:



From 2022 to 2023, 249 students participated:

- 158 Psychology students.
- 43 Civil Engineering students.
- 21 Architecture and Urbanism students.
- 23 Nursing students.
- 2 Dentistry students.
- 2 Biomedicine students.

A total of 365 individuals benefited:

- 20 women victims of violence.
- 23 quilombolas.
- 43 Haitian immigrants.
- 93 homeless individuals.
- 112 people in vulnerable situations.
- 74 indigenous people from the Guyra Pepó village.

Enlace Metro

One of Enlace's main tools is the Enlace Metro, a self-guided learning journey. Framed as a metro ride narrative, students are invited each semester to participate in this path to develop socio-emotional skills, available on a learning management system. They follow the activity route, self-assess in various aspects, and can monitor their personal growth over time.

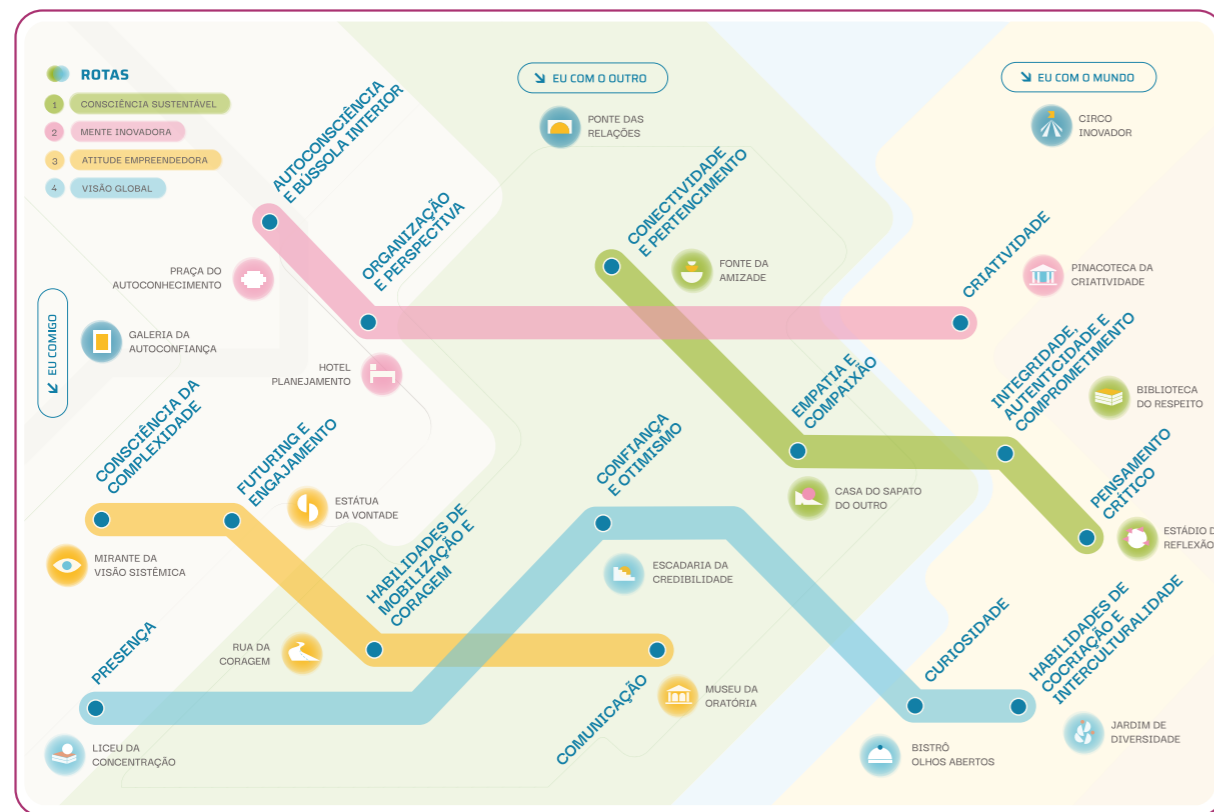


The Enlace Metro is divided into four routes, each with three or four stations, featuring theoretical content with interactive sections, curiosities related to the theme, reference videos, animations with metro characters (designed to foster student identification), tips for cultivating socio-emotional skills, and reflective activities on discussed topics. The journey begins in the first semester with the Boarding Station and continues from the second to the eighth semester.

At the end of the Boarding Station, students are invited to complete a self-assessment comprising two questionnaires: the WHOQOL from the World Health Organization, evaluating quality of life across physical,

psychological, social, and environmental domains, and the PILTEST, assessing life purpose. These assessments are repeated at the end of each semester and can be tracked via an online dashboard. In 2023, 41 teachers and 2,546 students participated.

In the Enlace Metro, we explore three zones of self-awareness: me with myself; me with others; and me with the world. This experience develops various competencies, such as those in the Sustainable Awareness track, including connectivity and belonging; empathy and compassion; integrity, authenticity, and commitment; and critical thinking—all essential for building a more just and sustainable world.



Students Impacted by Enlace Metro



Anonymous Testimonials from Participants

“In every story, there's a great lesson.”

“I never imagined my family saw me so positively.”

“Self-awareness is a delicate matter; without knowing your essence, it's hard to react to life's challenges.”

“I really enjoyed this exercise. The reflections were interesting and helped me understand myself better.”

“This self-assessment was great; it's a rare reflection we don't usually make in our daily lives.”

Learn more about Metro Enlace here:



Educador Sustentável Award

The Educador Sustentável Award recognizes and values innovative practices by educators who promote sustainability in education. Teachers are honored for integrating sustainable concepts into curricula, involving students in practical projects, and contributing to forming conscious citizens committed to sustainable development. The award highlights initiatives that transcend conventional teaching, encouraging social and environmental transformation.

Get inspired by our teachers' shared practices. Download the e-book:



The Educador Sustentável Project was a finalist in the “Next Generation Learning and Skills” category of the Green Gown Awards International and received a “Highly Commended” distinction. In 2023, we received 16 initiatives in the Sustainable Educator category—recognizing classroom teaching and learning practices—and 10 initiatives in the Honorable Mention category—recognizing guidance on projects and research promoting sustainability.

- 
Educador Sustentável Award: recognizes initiatives impacting students on topics related to the 17 SDGs and overall sustainability, including classes, dynamics, cases, and projects applied in the classroom.
- 
Honorable Mention: open to academic works where the submitting teacher is directly involved as a supervisor, not necessarily completed.



Plugin Facens and UP! Facens

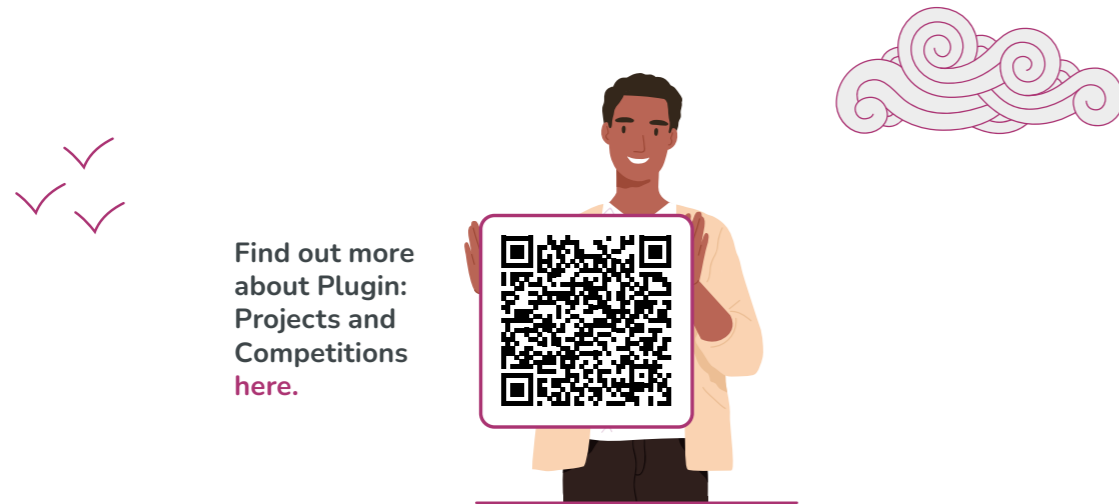
In 2023, Facens' major events were divided into three annual moments, focusing on continuous learning, innovation, diversity, and integration. Named Plugin: Careers and Market, Plugin: Projects and Competitions, and UP! Facens, these events collectively **engaged over 3,748 students**.

Plugin Facens

During Plugin: Careers and Market in the first semester of 2023, students participated in talks, workshops, and a career fair. We partnered with 15 companies and hosted over 56 talks and workshops to boost our students' technical and socio-emotional development.



The Plugin: Projects and Competitions event occurred in the second semester of 2023, where students applied their skills in competitions and showcased projects developed during the semester. In 2023, more than 400 student projects were presented, and 16 competitions were held, involving over 3,500 students.



UP! Facens

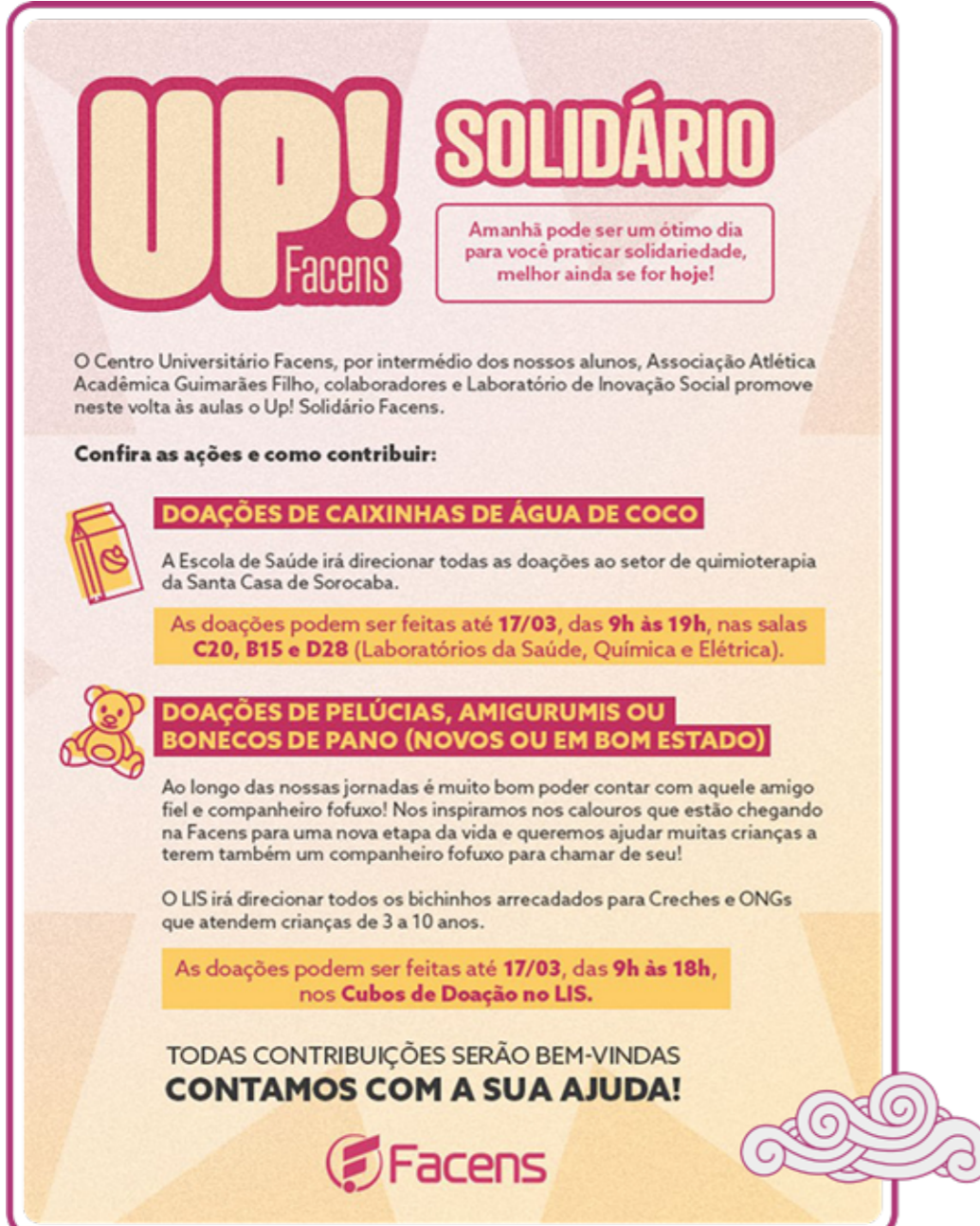
Established seven years ago, Freshman Week has offered new students in Engineering, Architecture and Urbanism, Technology, and Health courses an important opportunity to integrate with the Facens community. In 2023, Freshman Week was rebranded as UP! Facens.

Held on February 23-24, 2023, the event welcomed over 248 students. Activities focused on our institutional pillars: Innovation, Entrepreneurship, Sustainability, and Internationalization, reaffirming our commitment to the Sustainable Development Goals (SDGs). The experience was enhanced by a digital immersion in the “Facens World”, a game created by our Games and Apps Innovation Laboratory (LIGA) specifically for UP! Facens.



We also organized significant solidarity actions during UP! Facens. Veteran students, along with the Athletic Association, the Social Innovation Laboratory (LIS), and the Facens Health School, coordinated donations of coconut water boxes to the chemotherapy department of Santa Casa de Sorocaba and toys to daycare centers serving children aged 3 to 10 in the Sorocaba region.

Solidarity Actions during UP! Facens:



UP! Solidário
Facens

Amanhã pode ser um ótimo dia para você praticar solidariedade, melhor ainda se for hoje!

O Centro Universitário Facens, por intermédio dos nossos alunos, Associação Atlética Acadêmica Guimarães Filho, colaboradores e Laboratório de Inovação Social promove neste volta às aulas o Up! Solidário Facens.

Confira as ações e como contribuir:

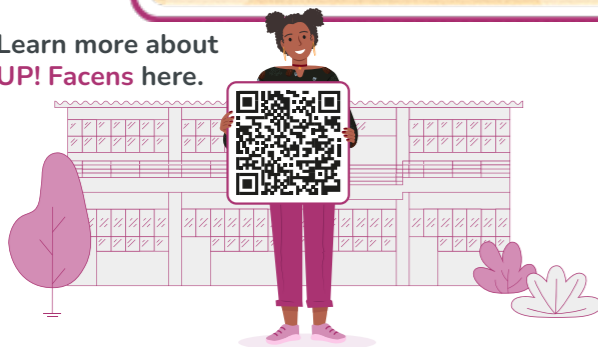
DOAÇÕES DE CAIXINHAS DE ÁGUA DE COCO
A Escola de Saúde irá direcionar todas as doações ao setor de quimioterapia da Santa Casa de Sorocaba.
As doações podem ser feitas até **17/03, das 9h às 19h**, nas salas **C20, B15 e D28** (Laboratórios da Saúde, Química e Elétrica).

DOAÇÕES DE PELÚCIAS, AMIGURUMIS OU BONECOS DE PAÑO (NOVOS OU EM BOM ESTADO)
Ao longo das nossas jornadas é muito bom poder contar com aquele amigo fiel e companheiro fofuxo! Nos inspiramos nos calouros que estão chegando na Facens para uma nova etapa da vida e queremos ajudar muitas crianças a terem também um companheiro fofuxo para chamar de seu!
O LIS irá direcionar todos os bichinhos arrecadados para Creches e ONGs que atendem crianças de 3 a 10 anos.
As doações podem ser feitas até **17/03, das 9h às 18h**, nos **Cubos de Doação no LIS**.

**TODAS CONTRIBUIÇÕES SERÃO BEM-VINDAS
CONTAMOS COM A SUA AJUDA!**

Facens

Learn more about UP! Facens here.



Student Sustainability Committee

The Student Sustainability Committee is an organization created in 2021, comprising students from Centro Universitário Facens. Its purpose is to develop projects related to the UN's Sustainable Development Goals (SDGs), providing a space for learning and leadership.

Specific projects and activities are guided by members of the Facens Sustainability Committee, aiming to encourage students to learn about sustainable actions and practice them daily.



Library

The Facens library offers modern and comfortable facilities, providing an environment conducive to study, research, and creativity. Accessibility resources in the collection area include platforms, tactile keyboards, voice scanners, screen readers, Braille printers, tactile flooring, tablets,

and service counters designed for wheelchair users or individuals of shorter stature.

Beyond its welcoming atmosphere, the library hosts various events throughout the year that combine art and sustainability. These initiatives not only enrich the user experience but also promote empathy, sustainable attitudes, and reflection on societal issues, fostering new perspectives through creativity and encouraging impactful initiatives.



Some of our initiatives include:

- **Book Exchange:** Encouraging socialization and circular economy by allowing a read book to become new to someone else;
- **Decoration and Sustainability:** On festive occasions, the library is adorned with decorations made from recyclable waste collected on the Facens campus, attracting more users to enjoy the space.

Internationalization

International Relations Department (DRI)

Established in 2015, the mission of the International Relations Department (DRI) is to create opportunities for promoting knowledge and leadership in a global context. This includes fostering a global perspective on human issues and promoting values and activities geared toward responsible, humanistic, and compassionate global citizenship.

Facens institutionalized higher education internationalization in 2019 with the implementation of a dedicated policy.



Global Study: allows Facens students to study for one or two semesters at a partner international institution, with course equivalency, tuition exemption at both institutions, and simplified admission processes.



Double Degree: enables Engineering students to study at the Universitat de Lleida (Spain) or Polytechnic Institute of Guarda (Portugal), with credit recognition at both institutions, earning degrees from Facens and the international partner.



Professional Experience: offers students the opportunity to undertake paid internships abroad.



COIL (Collaborative Online International Learning): promotes virtual mobility experiences through remote collaborations with partner institutions, fostering intercultural competencies, digital skills, and knowledge exchange.



Short-Term Experiences: short programs ranging from one to four weeks during academic breaks at partner institutions.

Facens Language Institute

To support our students in exploring international opportunities, the Facens Language Institute, in partnership with CCBEU (Brazil-USA Cultural Center) and the Confucius Institute for Business at FAAP, offers courses in English, Spanish, German, Japanese, Italian, Mandarin, and Portuguese for foreigners, both in-person and online. We are also an official TOEFL iBT testing center.

In 2023, we achieved:

- 27 students approved for mobility programs:
 - 16 in the Global Study program
 - 7 in Double Degree programs
 - 4 for paid internships abroad
- 3 COIL projects completed
- 68 scholarships awarded for international study, with tuition waived by the partner institution

TOEFL iBT Exam Administration on Campus

In 2023, we administered the TOEFL iBT exam three times on campus, accommodating up to 15 participants per session.

A total of 24 candidates took the test, most of whom were external participants from São Paulo, coastal regions, Sorocaba, and neighboring cities.

Facens Around the World Project

Facens Around the World is a series of episodes aiming to document the experiences of students involved in international opportunities offered by Facens. Featured activities include study and internship programs abroad, virtual exchanges, and international research projects.



Episode 01
Gabriela Santos
Chemical Engineering



Episode 02
Maria Yokota
Mechatronics Engineering



Episode 03
Gustavo Moreira
Computer Engineering

To learn about these stories, access the playlist here:



Assessment of Facens' Level of Internationalization

This is an updated general overview for 2023 on the level of internationalization at Facens. Mobility programs and on-campus activities were suspended from 2020 to 2021 due to the COVID-19 pandemic.



363 students sent for study and paid internships abroad (since 2017)



40 international partnerships, including higher education institutions, thematic networks, research centers, and Language Institute certifications (active in 2023)



164 visiting students, interns, professors, and researchers on campus (since 2015)



16 international academic publications (since 2020)



25 achievements in international competitions (since 2017)



6 multinational laboratory rooms on campus (in 2023)



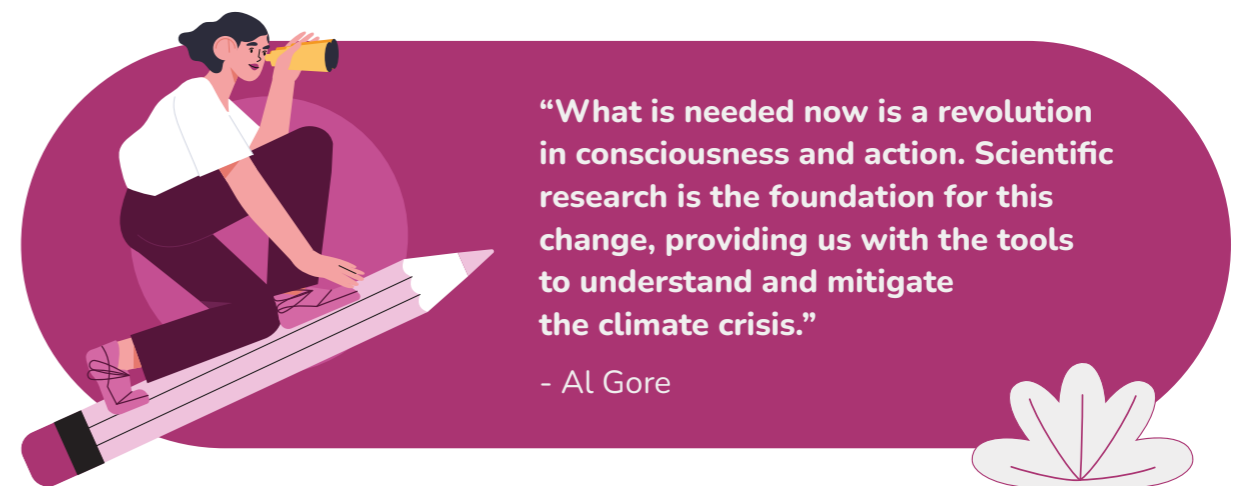
15.846 international experiential activities on campus (since 2018)



7 international collaborators working on campus (in 2023)

Research in Sustainability

Scientific investigation is fundamental for building a more sustainable, secure, inclusive, and resilient future. In this context, our sustainability research activities provide a theoretical and practical learning environment, challenging our students to develop new sustainable and innovative solutions.



“What is needed now is a revolution in consciousness and action. Scientific research is the foundation for this change, providing us with the tools to understand and mitigate the climate crisis.”

- Al Gore

At Facens, all scientific research projects encompass the UN's Sustainable Development Goals (SDGs).

Final-Year Projects

We would like to thank all the students and professors who have assisted us in seeking solutions to create a more sustainable and just world.

Healthy and Smart House Inspired by the Coconut Palm House

Student: Julia Krepki Rodrigues da Costa
Advisor: Wilson Tadeu Rosa Filho
Course: Civil Engineering



Controller for Residential Wind Energy Generator

Students: Vitor Hugo Lima Saj, Henrique Loterio Marques, and Victor Tetsuya Morimoto
Advisor: Thales Prini Franchi
Course: Mechatronics Engineering

Use of Ethanol-Fueled Otto Cycle Engines to Replace Fossil Fuels in Generators

Students: Eric de Souza Fernandes, Isabelle Kerolin dos Santos, and Matheus José da Silva
Advisor: Michel Sadalla Filho
Course: Mechanical Engineering



Green Synthesis of Silver Nanoparticles Using Aqueous Extract of Eucalyptus Leaves

Student: Giovanna Bruna Braga
Advisor: Valeska Soares Aguiar
Course: Chemical Engineering

Study of the Feasibility and Impact of Electric Cars in Brazil

Students: Henrique Alves Sousa, Andrews Vinicius Figueiredo, and Renan Vinicius Deziderio
Advisor: Hélio Guerrini Filho
Course: Mechanical Engineering



Seedling Management System

Student: Henrique Casarini Firmino
Advisor: Andreia Damasio de Leles
Course: Computer Engineering



Esmeralda Eco Resort: A Nature Retreat

Student: Priscila Cotrim Kazniakowski Guassi
Advisor: Ana Carolina Formigoni Basso
Course: Architecture and Urbanism

Habita+: Quality Living for the Elderly in the Community

Student: Maria Giulia Lourenço Francichinelli
Advisor: Giovanna Tomczinski Novellini Brígite
Course: Architecture and Urbanism

Sewage Treatment in Isolated Communities

Students: Guilherme Ryu Ikeda, Gustavo Leandro G. Silva, Leonardo Costa Teixeira, and Lucca Matheus de Souza Chesini
Advisor: Felipe Hashimoto Fengler
Course: Chemical Engineering



Development, Characterization, and Application of Antimicrobial Bioplastic with Added Rosemary Essential Oil (*Rosmarinus officinalis*)

Students: Daniela da Silva Esteves, Helena Lopes da Silva, and Karen Antunes Cabello Pereira
Advisor: João Guilherme Pereira Vicente
Course: Chemical Engineering

Industrialized Wood Frame Construction Applied to Social Housing

Students: Larissa Barbosa da Silva and Daniel Oliveira Gomes
Advisor: Fábio Blas Masuela
Course: Civil Engineering

This is just a sample of all the final-year projects we've conducted on the theme of sustainability.

We have many more!

To learn more, visit our website.



Scientific Initiation Program (PIC)

In 2023, we initiated 33 scientific initiation projects, involving professors and students from the courses of Systems Analysis and Development, Architecture and Urbanism, Basic Engineering Cycle, Biomedicine, Nursing, Agricultural Engineering, Civil Engineering, Computer Engineering, Production Engineering, Electrical Engineering, Mechatronics Engineering, Chemical Engineering, Dentistry, and Psychology.



Mention of the SDGs in Final-Year Projects and Scientific Initiation Projects:



In 2023, we achieved:

33 Scientific Initiation Projects related to the SDGs;

25 Final-Year Projects related to the SDGs;

24 Scientific Initiation Scholarships granted by Centro Universitário Facens.



Extension in Sustainability

At Facens, university extension and sustainability are inseparable concepts, aiming to bring the academic community closer to social and environmental challenges. Through its extension programs, Centro Universitário Facens contributes to the promotion of sustainability by sharing knowledge and resources to address relevant issues in areas such as the environment, economic development, health, and more. Our students and professors have the opportunity to apply their knowledge in practical projects, contributing both to the development of future professionals committed to sustainability and to the sustainable development of our planet.



EcoGinc 2023

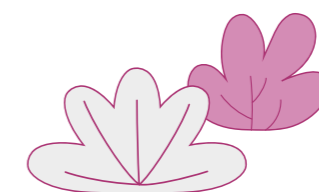
EcoGinc is an engaging and inspiring initiative designed for public high school students. In 2023, over three days, Facens students had the opportunity to be part of a collaborative team, working alongside students from Reverend Ovidio Antonio de Souza State School.

In its fifth edition, EcoGinc had 27 Facens student volunteers, impacting approximately 140 youths and 10 teachers from the school.

Its main objective is to inspire and encourage participants to become agents of transformation in crucial issues such as sustainability, citizenship, entrepreneurship, and conflict resolution. The competition is structured into three distinct stages: Integration, Hands-On, and Celebration.



By participating in EcoGinc, students not only enhance their social skills and teamwork but also make a difference by impacting students, teachers, and the entire community of partner public schools. The event aims to create a movement of engaged young people who believe in the power of their actions to build a better world.





#LISpeloMUNdo

#LISpeloMUNdo is a version of the **Model United Nations (MUN)** and one of the activities promoted by the Social Innovation Laboratory (LIS). The 2023 edition focused on the theme “Climate Crisis and Environmental Refugees,” inspired by events highlighted by the UN between the second half of 2022 and the first half of 2023.

In partnership with the International Relations Department (DRI), Careers, and Enlace, #LISpeloMUNdo provided an in-depth exploration of a globally relevant social theme to the 17 participating students. It offered a practical experience that helped them develop skills such as critical thinking, public speaking, and argumentation. The DRI emphasized the importance of internationalization and being proactive in university activities; Careers reinforced this point, highlighting how participating in the simulation can enhance résumés; Enlace created individual feedback sheets on participants’ feelings during the event and offered emotional support.



Ecological Belonging

Facens is the only university in Latin America participating in the “Ecological Belonging” research project, developed by Georgetown University—one of the world’s most renowned educational institutions—and The Wellbeing Project, a global network composed of over 1,200 organizations, including grassroots networks, global organizations, foundations, intermediaries, universities, and progressive companies that collectively deepen the knowledge base to place well-being at the center of social change.

The objective is to discuss and establish the field of ecological belonging as an activity and theme to be addressed in course curricula, with the assistance of volunteer students and the exchange of experiences with other universities. In 2023, we had 12 participating students interacting, sharing experiences, and discussing this important topic with other students and change agents from international partners: University of Ljubljana and University of Hawai’i at Mānoa.



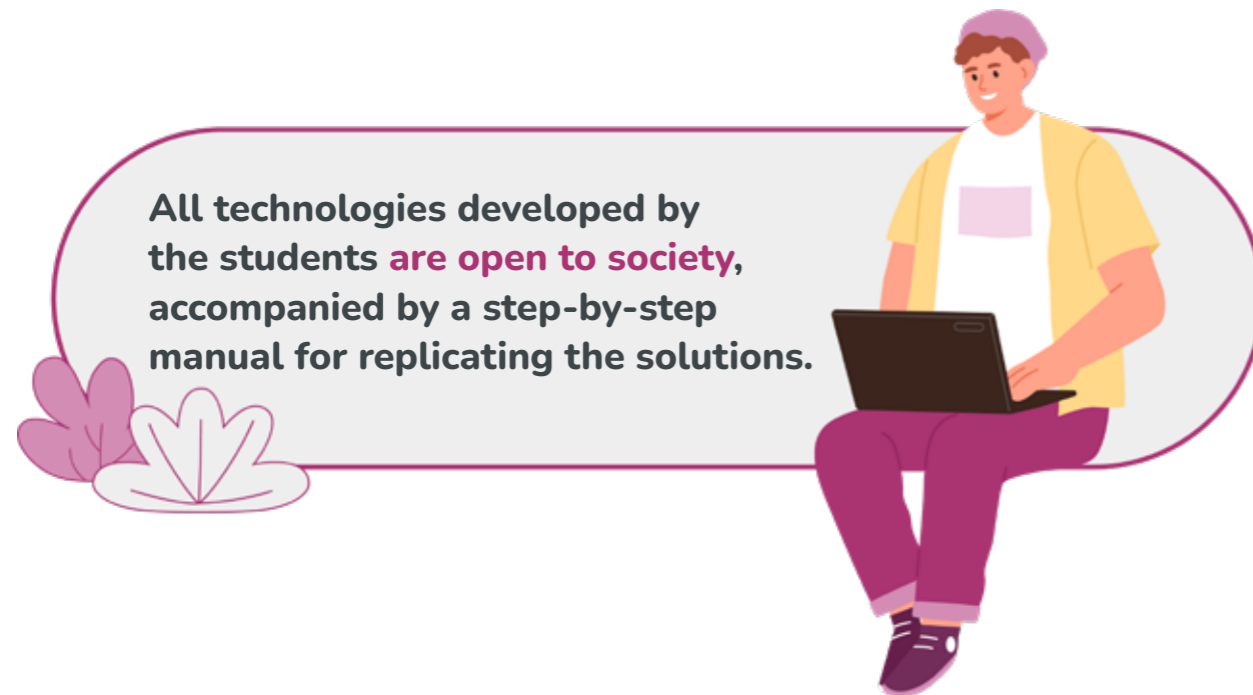
Smart Forests

The 2023 edition of the Smart Forests project was made possible through the collaboration of four educational institutions—Facens, Newton Paiva, CESUPA, and UNDB. The goal was to develop intelligent and high-impact solutions to improve the quality of life and sustainability of forest communities, through challenges presented to 15 teams composed of students from the four institutions.



For the first time, the project included implementation stages in two biomes: Atlantic Forest in Tapiraí (SP): in collaboration with the local association of rural workers; Amazon Biome on Cotijuba Island in Belém (PA): with the Movement of Women from the Islands of Belém (Movimento de Mulheres das Ilhas de Belém – MMIB). The challenge proposed to the students was to promote solutions with a bioeconomic impact on the communities.

During a hackathon in May 2023, the teams presented their ideas. The top three teams advanced to the final stage, each receiving seed capital of R\$8,000 for prototyping their projects.



In July, all students traveled to Sorocaba to use Facens' laboratory facilities and test their prototypes. They then went to Tapiraí to implement solutions in the Atlantic Forest and to Belém to work with the Cotijuba Island community.

Between August and October 2023, the efficiency and impact of the solutions were analyzed. On October 27, the teams presented their results, and Team NATIVA10 won the edition, receiving a prize of R\$5,000. Their solution for the Tapiraí community involved creating an intelligent irrigation system powered by solar energy to facilitate daily planting activities. For Cotijuba Island, they developed a tool to ease the collection of fruits from tall trees—a practice rarely performed due to

the community being primarily composed of women and children, with harvesting typically done by men.

Smart Forests 2023 was sponsored by Alcoa, Reservas Votorantim, Prysmian Group, and Toyota, whose support was essential to the project's success.



To learn more about Smart Forests, visit our website:



Awards in Student Competitions Focused on Sustainability

Facens Alumnus Achieves 2nd Place in Pepsico Challenge

Facens Chemical Engineering alumnus Lucas Ribeiro Ayub de Campos secured 2nd place in the 2023 “Dare to Do More” challenge, held annually by Pepsico. The event serves as a showcase for creative minds wishing to share innovative solutions to global problems.

This edition featured over 34,000 participants from 17 countries, all aiming to positively impact the world with their ideas. Lucas’s project, titled “Pep Washer and Storage,” earned him a spot on the podium, representing Brazil in the Latin American final held in Mexico.



B’Energy Racing Facens Team Wins the 19th Formula SAE Brazil 2023 Competition

The B’Energy Racing Facens team stands out for innovation and leadership in the Formula SAE Electric scene. With the launch of their B23 Prototype—a result of the commitment and dedication of a highly qualified team—they further elevate their reputation and contribute to the future of mobility with a transformative and sustainable vision. This category is entirely focused on electric vehicles.

The impact of B’Energy Racing Facens extends beyond the racetrack, as the team’s mission is to train competent, responsible professionals prepared for the job market. With 75% of its members already employed by major multinationals, the team serves as a talent incubator.

In 2023, the main features of the B23 prototype were:

- Lighter chassis: With support from sponsor Flash in the manufacturing process.
- New battery design: More reliable and efficient.
- New hardware architecture: More robust.

With these advancements, B’Energy won the title of Brazilian champion in Formula SAE 2023, in the electric car category.

Comprising 23 members and with a history of runner-up positions, B’Energy not only triumphed in the competition—securing first places in multiple categories—but also established itself as a center for talent development in electric vehicles.

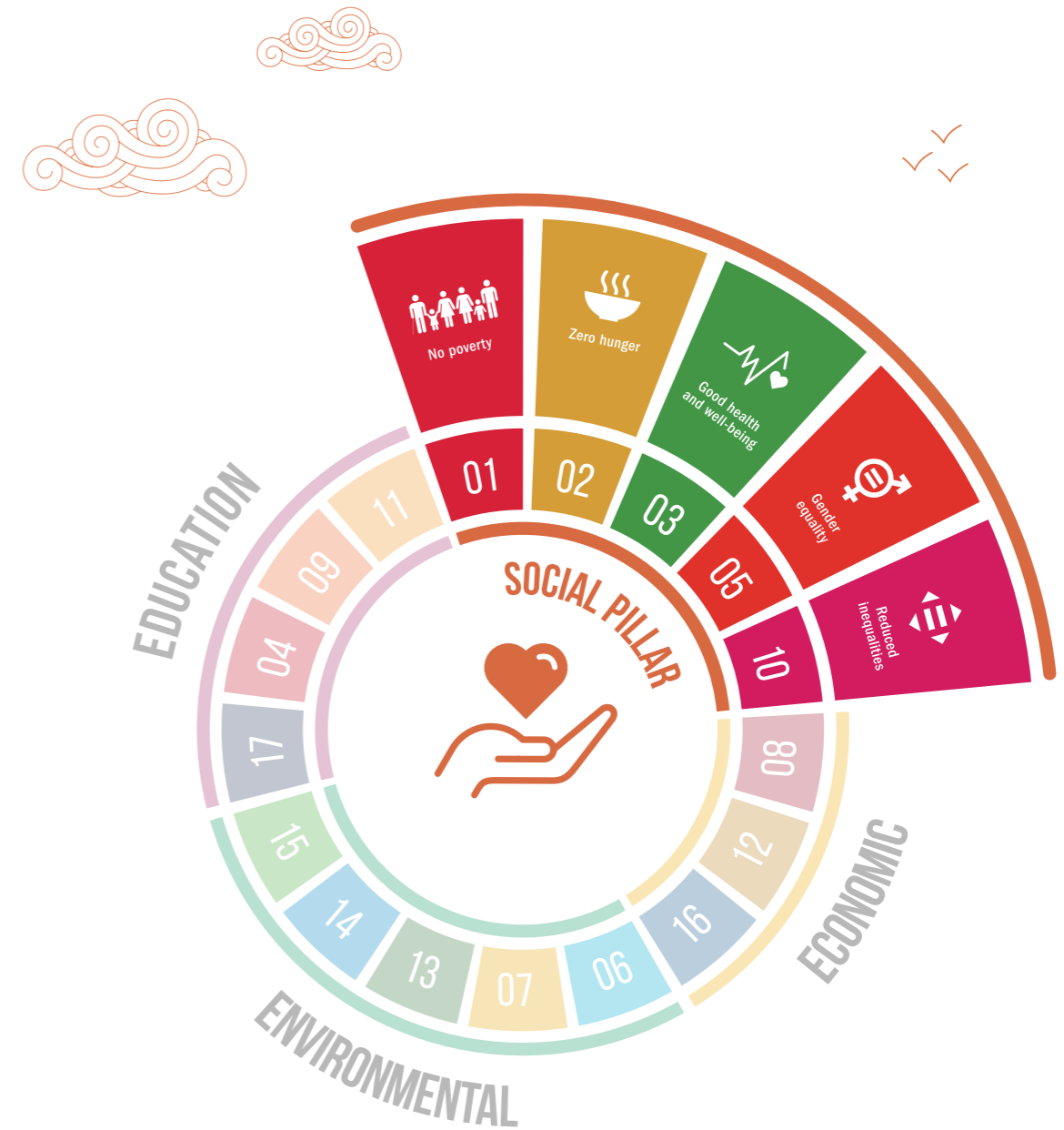
To learn more about these achievements, visit our website:



Social Pillar



At Facens, we believe that the role of a university is to act as a significant tool for social transformation—not only of individuals, both personally and professionally, but also of all involved stakeholders. We are responsible for developing people and professionals who understand the global context and contribute positively to society and the environment. Our social pillar is divided into four areas of focus: **Scholarship Programs and Inclusive Education, Health and Well-being, Gender, Racial, and Diversity Equity, Social Actions and Partnerships.** These themes encompass SDGs 1, 2, 3, 5, and 10.



“A university is, above all, a place where science is conducted and knowledge is transmitted. But it is also a place where people are formed, where values are developed, and where conscious citizens committed to society are forged.”

- Jacques Delors

Areas of Focus:



Impact Report

Donations by Facens

- **1.2 tons** of food;
- Over **846 items** of clothing, books, stuffed animals, and toys;
- **R\$16,800** in disposable diapers for bedridden individuals;
- **150 liters** of coconut water to alleviate chemotherapy symptoms for patients at Santa Casa de Misericórdia de Sorocaba;
- Institutions and communities benefited: **GPACI; Guyra Pepó Indigenous Village; Kayton Institute; Seeking Peace Project; Kolping Pe. Justino Community; Batman of Sorocaba; André Luiz Transitional House; Rosa Luxemburg Occupation; Raiz de Davi House; and Canta Sapo community.**



In addition to institutional donations made directly by Centro Universitário Facens, many students and collaborators are invited to participate in solidarity actions and campaigns that benefit thousands of Sorocaba residents.



Scholarships

In 2023, approximately 839 students received scholarships, with 641 being full scholarships.

Non-philanthropic scholarships are distributed through various discount modalities, such as: Alumni, Prouni (a Brazilian government program that provides scholarships for higher education), ENEM (10% to 50%), Recruitment, Retention, Partnerships, Postgraduate, Family, Exchange, Transfers, Merit, Course/Shift Migration, Tutoring, Scientific Initiation, Obtaining a New Degree, Punctuality.



Available scholarships include:

- Philanthropy
- Merit
- Academic Tutoring
- Technical Tutoring
- Scientific Initiation
- Sibling/Family Scholarship
- Prouni



Enlace



In 2023, Enlace promoted:

- 15 activities in the Well-being Trail with 1,087 students in the 1st semester and 1,459 students in the 2nd semester, totaling 12,228 responses recorded.
- 12 well-being interventions inside and outside classrooms.
- 5 scientific initiation projects (15 students impacted).
- A new edition of the Possible Worlds (Mundos Possíveis) project with 163 student participants.
- Training activities on well-being and mental health topics for 41 professors.
- Creation of 7 new well-being spaces on campus.
- Impact on over 400 people outside the campus through the Possible Worlds (Mundos Possíveis) project and The Wellbeing Summit São Paulo.

LIS

In 2023, the Social Innovation Laboratory (LIS) reached 1,179 students through activities like Zero Month, workshops, and other sustainability-focused initiatives, including:

- 4 projects involving volunteer activities with 76 participating students.
- 8 self-directed activities on sustainability topics involving 684 students.
- Various curricular and extracurricular extension activities related to sustainability, reaching 321 students.

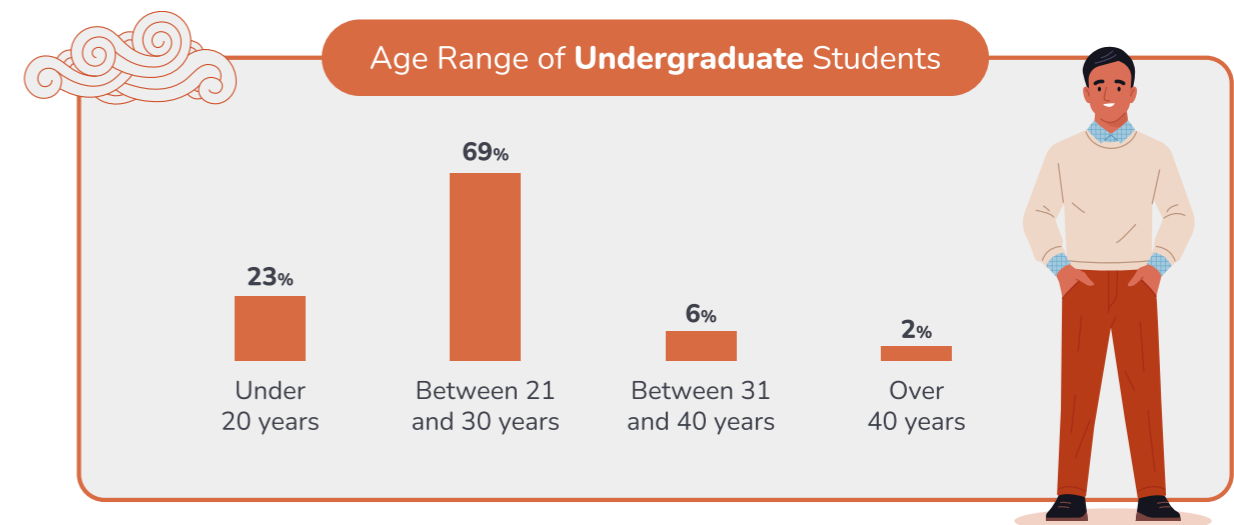


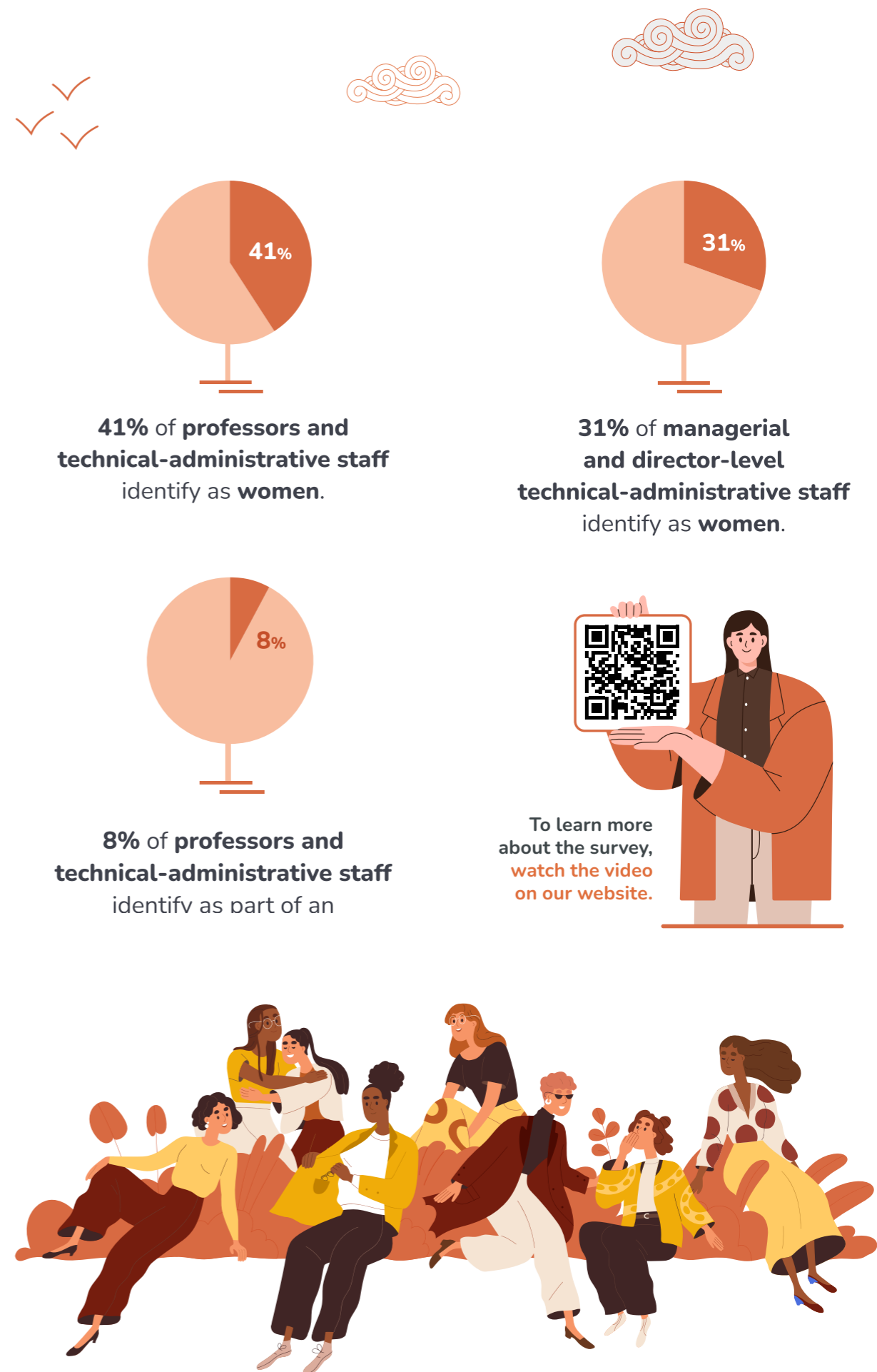
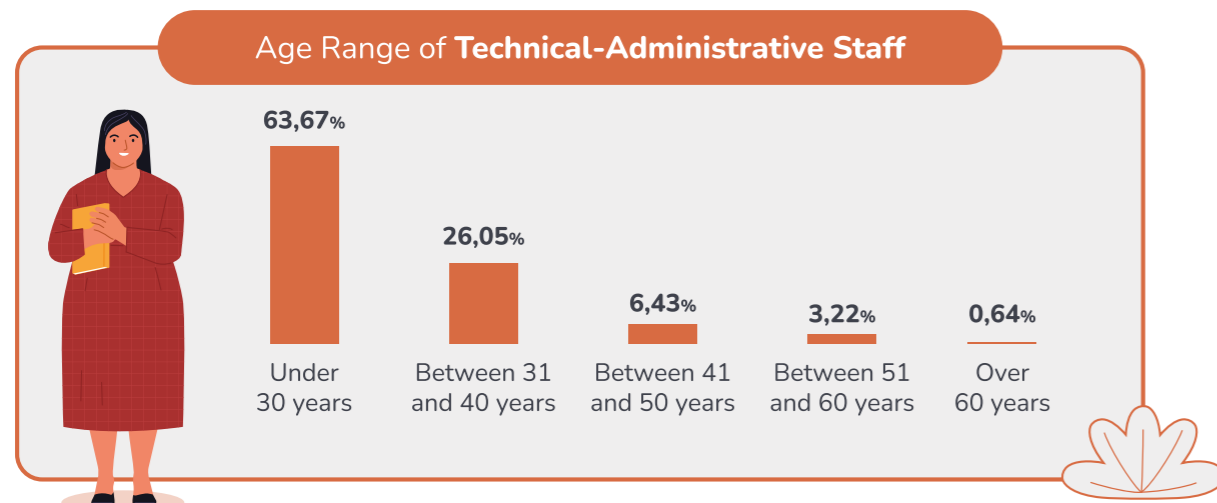
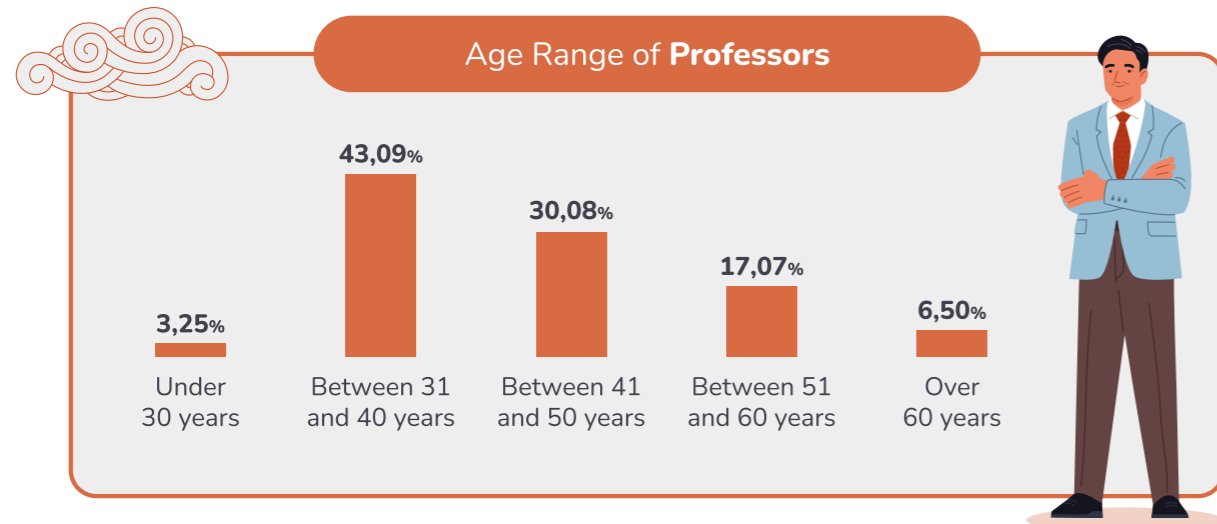
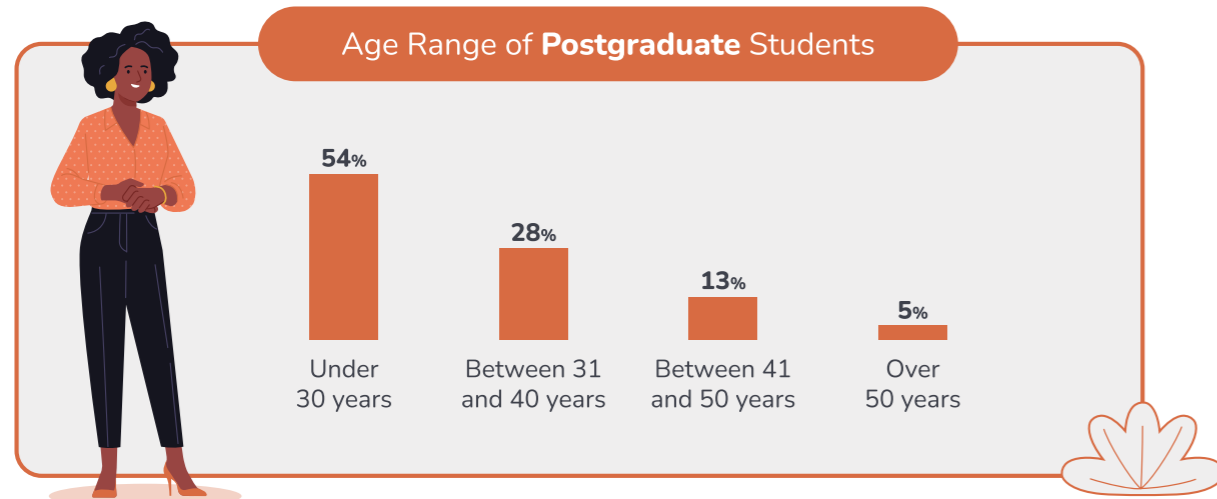
- We also supported sustainability teaching practices and provided direct assistance to 107 professors.



Diversity and Awareness

Alongside data from the first Diversity Survey conducted by the People & Management area of Centro Universitário Facens, we launched an internal campaign to share the findings and reinforce the importance of improving our quality of life at work.







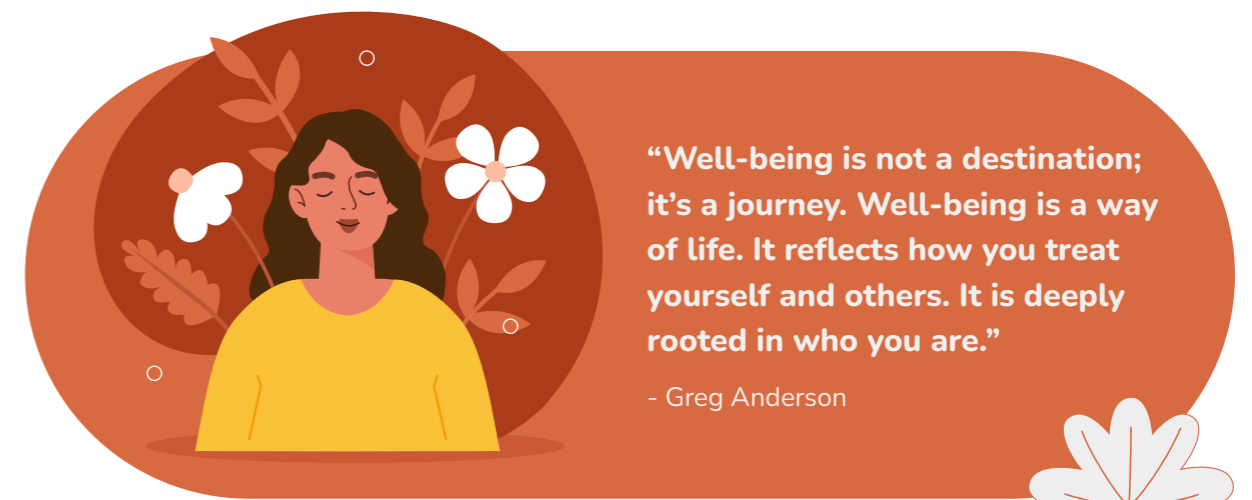
Throughout 2023, the People & Management area promoted:

- **6,573.5 hours of training** for collaborators, with **562.3 hours dedicated to sustainability topics.**
- **Implementation of sustainability themes** during onboarding, sensitizing all new collaborators to the **Sustainable Development Goals** and informing them about projects under the strategic sustainability pillar.
- **Prevention and Combating Harassment Program**, with **84.2% staff participation.**
- **Awareness actions** related to **well-being and health**, covering topics such as:
 - **Mental health**
 - **Leukemia**

- **Obesity:** controlling weight healthily
- **Chronic diseases:** hypertension and diabetes
- **Healthy eating** and food reuse
- **Respiratory diseases**
- Awareness about **viral hepatitis**
- **Suicide prevention**
- **Pink October** — breast cancer awareness
- **Blue November** — prostate cancer prevention
- **Sexually transmitted infections**

Health and Well-being

Centro Universitário Facens promotes various initiatives that encourage a culture of well-being and quality of life on campus, creating an inviting environment for collaborators, students, visitors, and the broader community.



“Well-being is not a destination; it’s a journey. Well-being is a way of life. It reflects how you treat yourself and others. It is deeply rooted in who you are.”

- Greg Anderson

The Wellbeing Summit SP

In September 2023, Facens hosted an inspiring international event: The Wellbeing Summit SP, in partnership with The Wellbeing Project.

We brought together the Facens community and external guests for an incredible journey focused on well-being and mental health.

Participants enjoyed a rich program with various activities, including panels, lectures, practical sessions, and musical performances. Highlights included:

- **“Learning to Meditate”** with Buddhist Monk Daniel Calmanowitz
- Panel **“What is Well-being?”** with Felipe Fengler, Giovanna Novellini, Michelle Prazeres, and Mozart Neves
- Panel **“Well-being in Universities”** with Cristina H. P. de Mello, Daniel Reis Plá, Marina Noto Faria, Raquel Barros, and Évelin Muraguchi
- Lectures **“Life Long Playing”** with Wellington Nogueira and **“Well-being and Self-Knowledge”** with Celso Grecco

Over 100 people participated, and the event received a rating of **4.9/5** in post-event evaluations.



Well-being Spaces

Centro Universitário Facens remains committed to fostering a culture of well-being and quality of life for everyone on campus. We've invested in the construction of seven new well-being spaces.



Visit our website to discover all the **well-being spaces on campus.**

Scholarship Programs and Facilitated Access to Education



“Access to education is key to so many dreams. It gives us the opportunity to discover, to unravel our own identities, to create meaning and purpose. It is the foundation upon which we build our lives.”

- Michelle Obama

Providing scholarships and supporting scholarship students are fundamental to ensuring full access to education. We believe that one of the most powerful and lasting ways to impact people’s lives is through education. Therefore, the Psychopedagogical Support Center (NAP) plays a crucial role in welcoming students, minimizing gaps in their academic journey, and opening doors to the future.

Testimonial from Student Tainá

“Hello, I’m Tainá. I’m 21 years old and from the Guarani Mbya indigenous people. In my life, I’ve faced many challenges, especially in my studies. At the school I attended, people didn’t accept that an indigenous person could study like them; they would stare or whisper and wouldn’t approach me. Whenever that happened, I thought about quitting my studies and questioned whether it was worth being at school.



» **Tainá Ara Poty Ribeiro Gabriel**
psychology student at Facens

But my parents encouraged me to keep studying and were always by my side. I also had a teacher who helped me a lot, not just at school. We talked a lot, and she asked if I had a dream of taking a course; that’s when I realized my desire to become a doctor to someday work in the village and help my people. With that in mind, I continued to persist in my studies, and despite facing people’s prejudice, I managed to finish high school, knowing I had a long way to go, that there would always be challenges, and that even if I fell, there would be people to help me get up.

Less than a year later, I started considering studying medicine; I looked for a university and found one with an entrance exam more geared toward indigenous people. But around that time, I met Raquel Barros, who wanted to create a project in my village. She learned that some people wanted to take a university course and said we could try for a scholarship at Facens. I checked and saw they didn’t have medicine yet, but they had nursing.

So, I took the exam and passed, but there was a small problem: I couldn't take the course at night. I waited a few months, and Raquel sent me a message saying I could change fields. I chose psychology. I wasn't very interested in this area but wanted to understand what the profession entailed.



On my first day of class, I was very afraid of encountering people who wouldn't accept an indigenous person at a university, especially since I didn't speak Portuguese very well, making communication difficult. But as days went by, I saw that people in my class were welcoming, and even though I kept to myself, I noticed my classmates wanted to get closer. I think I'm improving: I always tried to avoid presentations in class, but now I'm speaking a bit more and my Portuguese is getting better too. The person who helped me the most was my psychopedagogue, Edna, who works at Facens and supported me a lot. She is very important to me, so I thank her.

After I moved to the second semester, Raquel said the nursing course was now available at night. I was undecided about which course to choose. I attended a nursing class and liked it but was already quite interested in psychology, so I decided to stay. Facens turned out to be a completely different university. The staff helps me a lot, and the professors are there to assist me. I also liked the building structures and saw they have support for people with disabilities. There's diversity, and that impressed me because not all universities have this kind of support, and I think that's why I liked Facens more.

So, I have to thank Facens for giving me the opportunity to get a scholarship to study."

Testimonial from Edna

"Psychopedagogy is a field of knowledge about the learning process, considering individuals and systems—the family, school, society, and the social, historical, and cultural context."

— (Code of Ethics of the Psychopedagogue)



» **Edna Araújo**
Pedagogue and Psychopedagogue

“In 2023, I began working as a psychopedagogue at the Psychopedagogical Support Center (NAP), a space aimed at strengthening students to face challenges that may occur during the teaching-learning process.

To achieve these objectives and support students on this journey, I needed to broaden my perspective on diversity even further, always considering each person’s conditions, needs, and way of learning. I sought strategies that took into account differences in cultural origins, mother tongue, and learning styles, aiming to build paths that promote equity in such a diverse environment.



Developing this work in a higher education institution is challenging and has greatly enriched my personal and professional life. I’m always learning, and to do so, I’ve found many partners who help me in this process. At Facens, offering opportunities for access, permanence, and quality in higher education has been a task shared by everyone in this space.”

Social Actions and Partnerships



“Never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it’s the only thing that ever has.”

- Margaret Mead

Centro Universitário Facens continually encourages students to develop civic awareness engaged with real-world needs. We offer a range of actions and volunteer programs, especially combining classroom learning with practices that inspire societal change.

Seeking to also reach stakeholders, we promote actions that stimulate debates, exchanges, and inspirations on ESG topics, which we consider fundamental for advancements in the market and society.



UP! Solidarity

During the welcoming program of UP! Facens, the freshmen were invited to participate in UP! Solidarity by contributing coconut water and plush toys. At the end of the collection, 150 liters of coconut water were donated to patients undergoing chemotherapy treatment at Santa Casa de Misericórdia de Sorocaba, and hundreds of plush toys were donated to institutions serving children in vulnerable situations.



Click here to learn more about UP! Solidarity.



Canta Sapo

The Architecture and Urbanism course at Facens, in partnership with the Social Innovation Laboratory (LIS) and the Emotional Collaboration Laboratory (Enlace), carried out an urban intervention in the Canta Sapo community, located in Jardim Nova Esperança, Sorocaba. This was part of a pedagogical initiative led by professors Tiago Brito and Taiana Car Vidotto.

The action, which took place throughout the first semester of 2023, involved students from the 7th period in a tactical urbanism project. It stood out not only for its execution but also for its multidisciplinary and multiprofessional nature.



The intervention included a series of activities such as collective painting with children, planting fruit trees, paving specific areas, creating a community garden, and producing furniture.



Besides improving the physical space of the Canta Sapo community, this pedagogical experience had a profound impact on the students' education. It encouraged the integration of socio-environmental concerns into their future careers and strengthened ties with the local community.

Pescar Project

The Pescar Project is a social initiative aimed at bringing positive transformation to the lives of young people in situations of social vulnerability, preparing them for the professional world and contributing to their personal and social development.

In March and April 2023, the Social Innovation Laboratory (LIS) supported another edition of the project in partnership with the company Emerson. This involved 20 student volunteers and a professor from Centro Universitário Facens. The volunteers taught three subjects: Occupational Health and Safety, Basic Computing, and Applied Mathematics to 12 adolescents aged between 16 and 19, totaling 49 hours of classes.



Teaching Entrepreneurship

FACE, the Facens Center for Entrepreneurship, mentored students from Santa Escolástica School for participation in the Brazilian Entrepreneurship Competition, a national event. The students' team achieved 2nd place in their competing category.



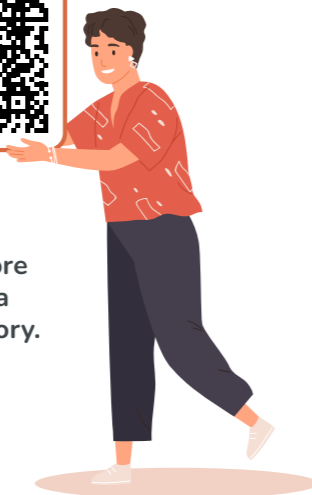
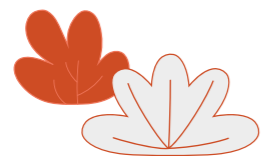
Power Girl Women's Entrepreneurial Training

Centro Universitário Facens, through FACE, joined forces with SEBRAE and CCBEU (Brazil-USA Cultural Center) to support women entrepreneurs. In a program focused on enhancing skills, expanding horizons, and building valuable networks to boost their businesses, participants attended five meetings covering topics such as Entrepreneurship, the Canvas Methodology for business idea validation, Marketing, Finance, and Formalization (types of companies and how to proceed with opening a CNPJ/business registration, along with rights and duties).

As part of the program, FACE conducted a lecture on female entrepreneurship at the State School Reverend Ovídio Antônio de Souza, alongside entrepreneur Maria Vitoria Ferreira de Malavazzi from The Cana, and CCBEU.



[Click here](#)
to learn more
about Maria
Vitoria's story.

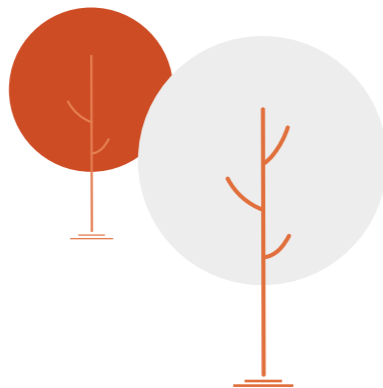
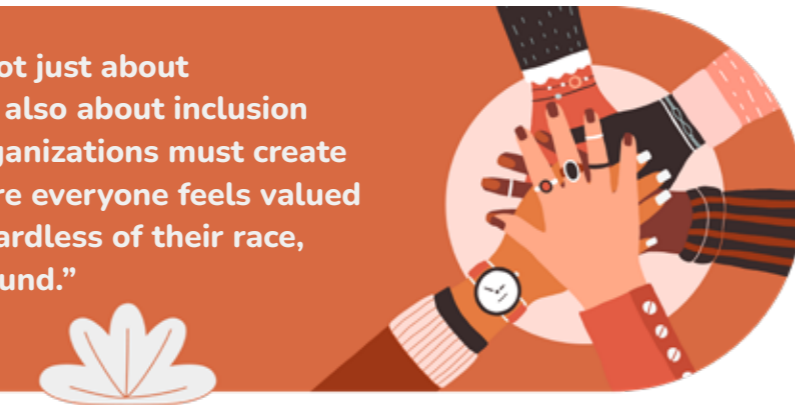


Gender, Racial, and Diversity Equity

At Centro Universitário Facens, we believe in the importance of equal opportunities for all people—regardless of gender, color, ethnicity, age, sexual orientation, social origin, or physical or mental ability. One of our most important commitments is respect for human rights and non-discrimination. Therefore, we are at the beginning of a process to structure our policy, setting goals and parameters in pursuit of equity.

“True diversity is not just about representation but also about inclusion and belonging. Organizations must create environments where everyone feels valued and respected, regardless of their race, gender, or background.”

- Kellie McElhane



Regional Conscious Capitalism Forum in Sorocaba

Centro Universitário Facens contributed as a speaker at the Regional Conscious Capitalism Forum in Sorocaba in July 2023, discussing the issue of inequality of opportunities with a focus on race and ethnicity.

The event was promoted by Conscious Capitalism Brazil (CCB), aiming to stimulate debate on combating inequalities in the country, aligning with the 10th Sustainable Development Goal (SDG) of the United Nations 2030 Agenda: “Reduce inequality within and among countries.”

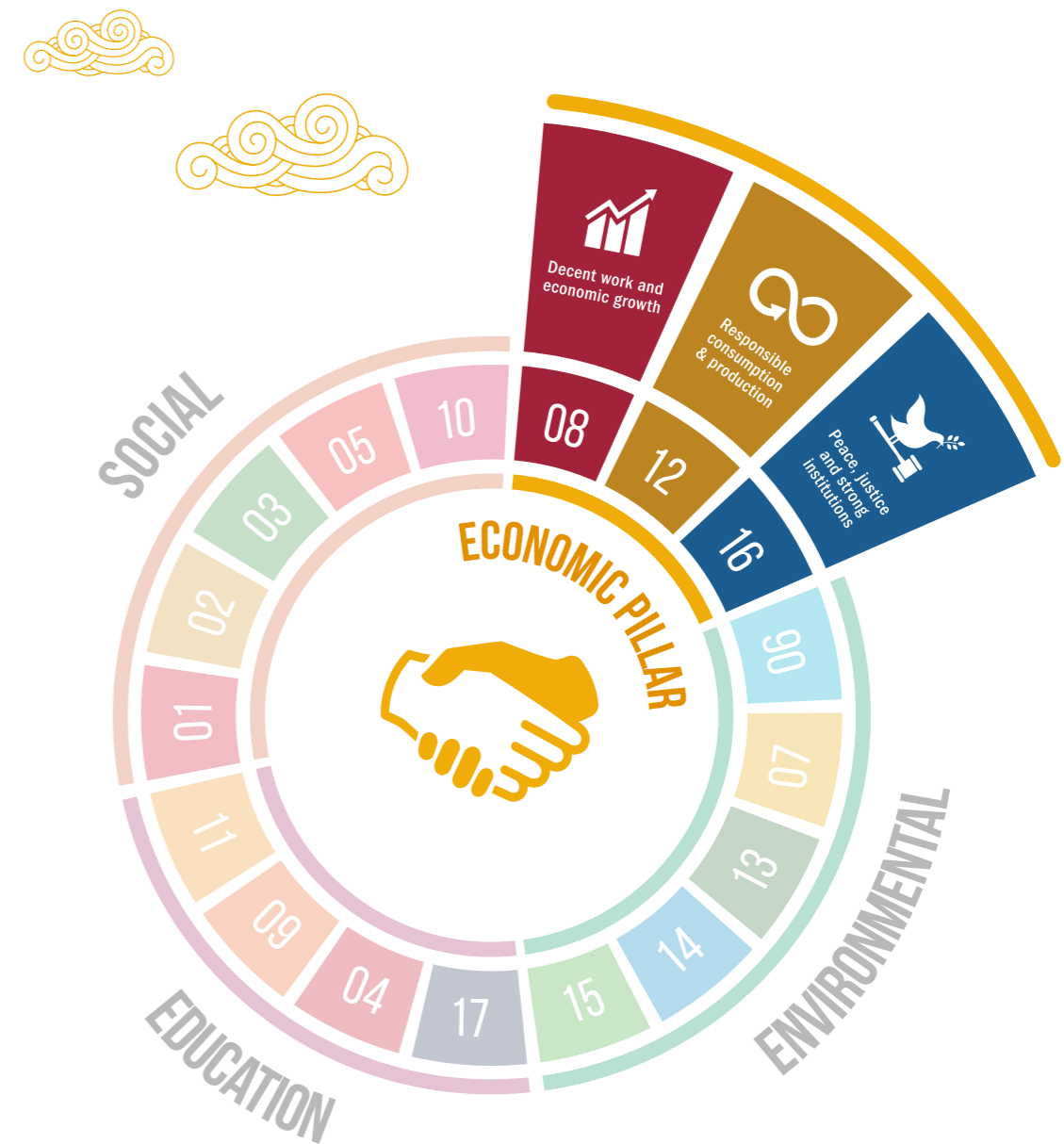
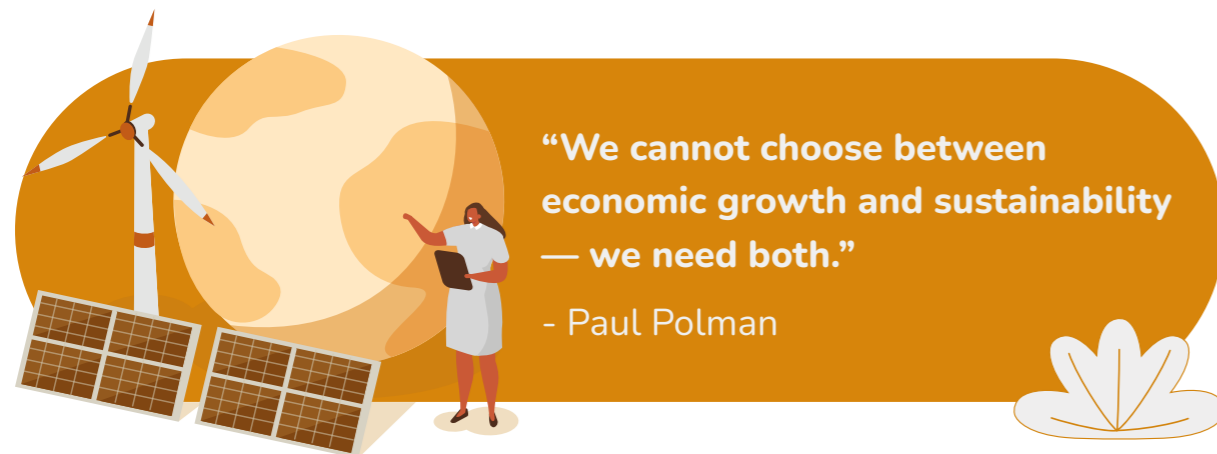


Economic Pillar

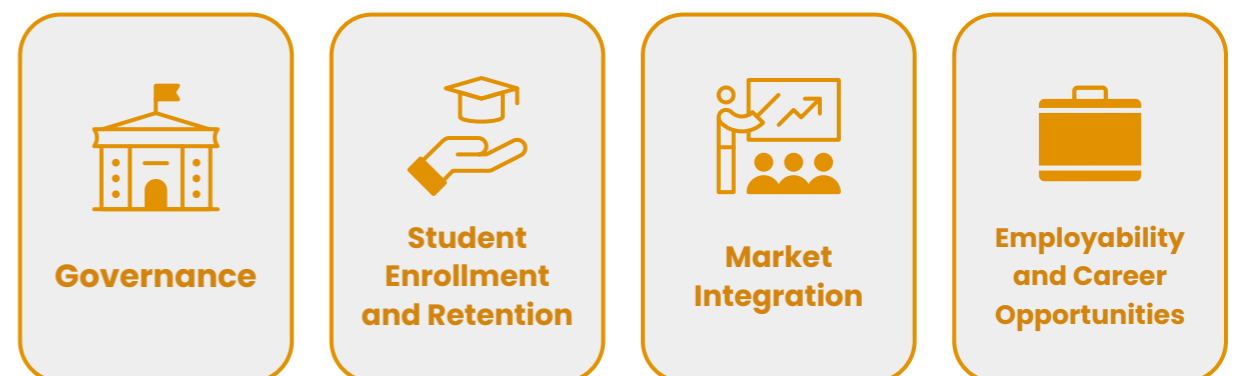


The economic pillar is essential in helping to create a strong and stable economy that ensures financial, social, and environmental benefits for current and future generations. This pillar focuses on the efficient use of resources, establishing governance based on sustainable practices across all organizational areas, and creating job opportunities and local development. Additionally, it must always be linked to the other two sustainability pillars—the social and the environmental—as together they are essential for achieving a more balanced future for the entire population. Centro Universitário Facens is a non-profit association, meaning all profits are reinvested back into the institution, allowing for agile and constant evolution.

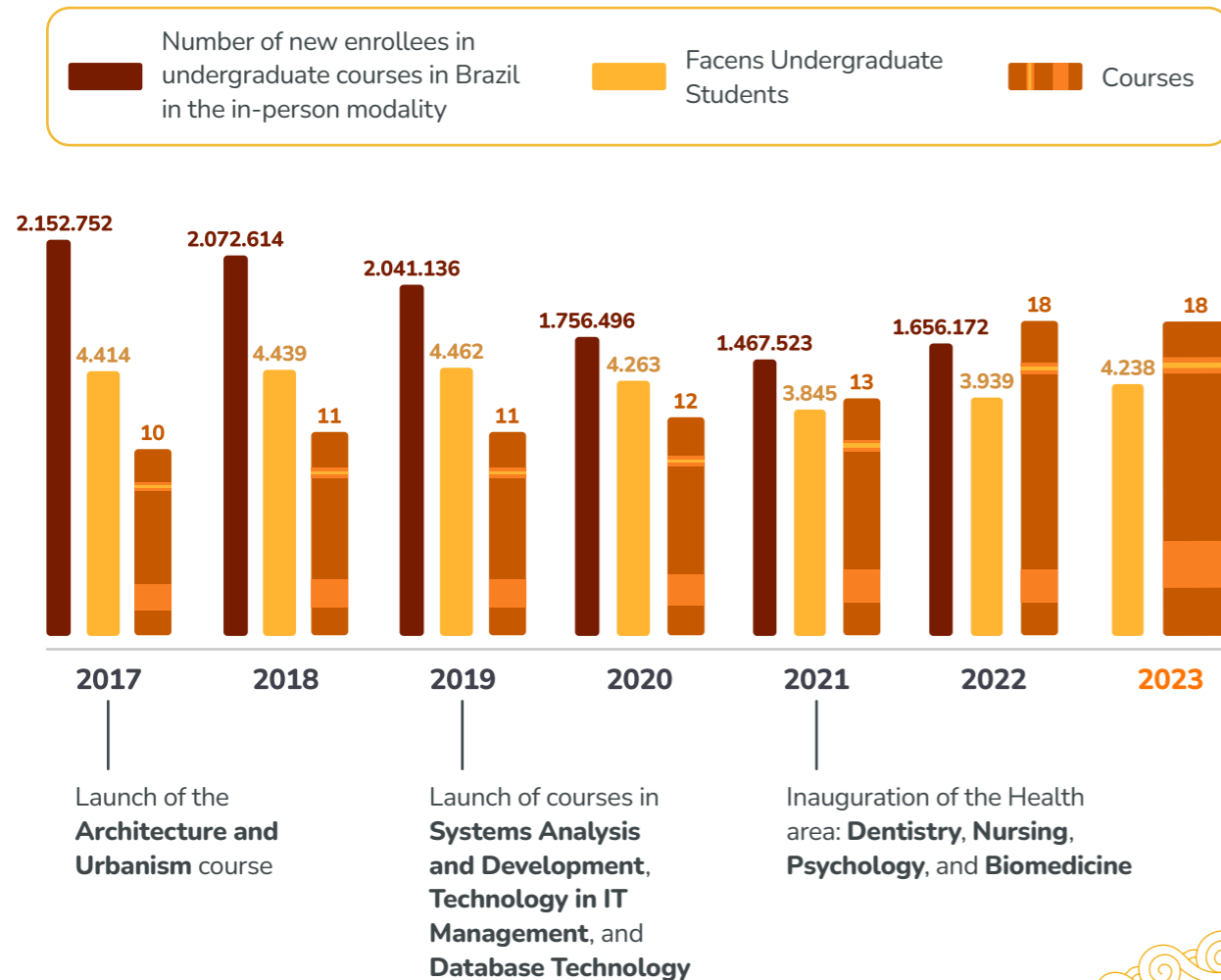
Our Economic Pillar is divided into four areas: **Governance, Student Enrollment and Retention, Market Integration, Employability and Career Opportunities.** These themes primarily encompass SDGs 8, 12, and 16.



Areas of focus:



Evolution of the Number of Undergraduate Students at Facens in Recent Years*



*Number of students related to the first semester
 **Data from MEC/Inep Higher Education Census 2022



Governance

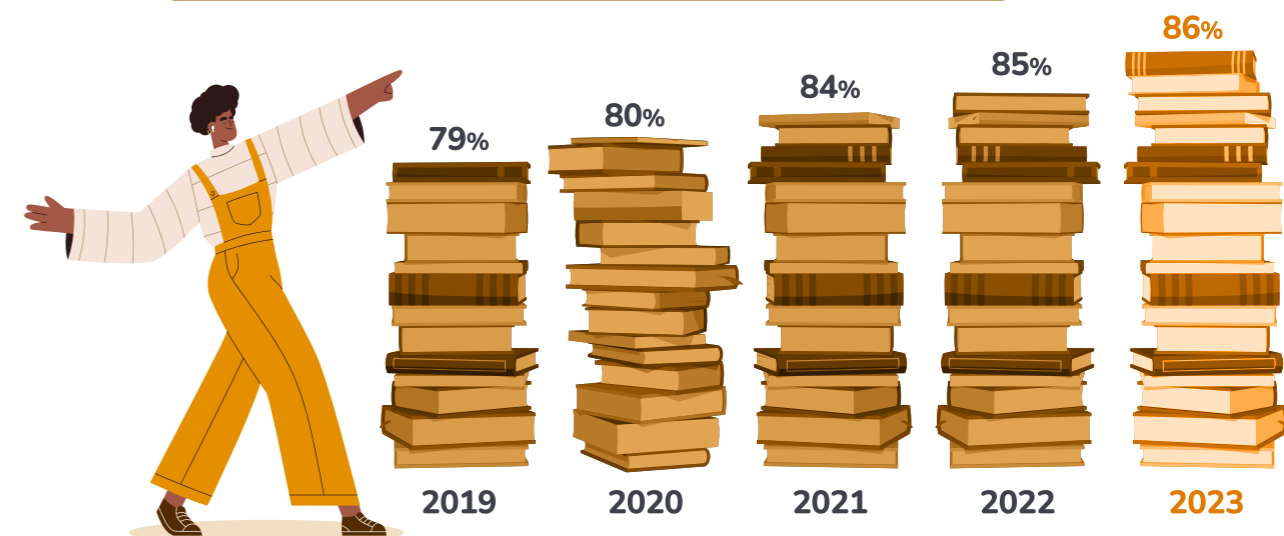
- The **student retention rate** was **93.82%** between 2021 and 2023.
- **Over 80 hours** of meetings held by the Sustainability Committee.
- **17 members** participated in the Sustainability Committee.
- **9 institutional departments** were represented in the Sustainability Committee.

Student Enrollment and Retention

- **3,332 participations** by students and alumni in employability and career activities in 2023.
- **23 events** connected to employability and career.
- **13,203 students and alumni** registered on the Facens Career Office job platform.
- **2,385 companies** registered on the Career Platform.

Employability and Career Opportunities

Student Employability in the Final Year of the Course



IP Facens

- Over **100 partnerships** established.
- More than **39 million reais** invested in partnerships in 2023.
- Over **500 students** involved in projects with partner companies.
- More than **10 research projects** via funding calls.

Alumni

- **1,338 members** in 2023.
- **14 meetings** of the strategic alumni committees.
- Over **190 job opportunities** shared with alumni.
- More than **4,400 views** of online activities.

Governance

Governance enables us to implement policies, actions, and processes that ensure our organization's sustainability and address the needs of present and future generations. Additionally, good governance should involve various stakeholders, including professors, staff, students, and the entire community, focusing on transparency, accountability, and responsibility.

At Centro Universitário Facens, we have a Sustainability Committee composed of representatives from various areas. The committee meets biweekly to plan, implement, and monitor initiatives based on the four pillars of sustainability, ensuring this perspective is integrated across our actions.

Committee Members:



Ana Carolina Camargo – **Academic**
 Egnaldo Paulino – **Smart Lab**
 Eliane da Rocha – **Library**
 Felipe Fengler – **Academic**
 Luciana Gomes – **PMO**
 Mabel Oliveira – **LIS and Sustainability**
 Maurício Tolotto – **Sustainability**
 Paula Eckstein – **People and Management**
 Sara Arruda do Carmo – **People and Management**

Elis M. A. Gurgel – **Marketing**
 Gabriel Roseno – **Marketing**
 Paula Migliavacca – **Marketing**
 Raquel Barbosa – **LIS**
 Regiane Romano – **Smart Lab**
 Tamara Camargo – **LIS**
 Teco Barbero – **Marketing**
 Vitor Belota – **Sustainability**

Student Enrollment and Retention

At Centro Universitário Facens, we undertake numerous initiatives to enhance the student experience, keep them engaged, and ensure our educational model prepares each one for the planet's current challenges. Among them, we highlight:

Zero Month

The month before classes begin is dedicated to Facens freshmen and candidates who took the entrance exam that year but have not yet enrolled. Activities include reviewing the main subjects that will be covered in their respective courses, along with various integration events.



UP! Facens

A special part of the welcome program is UP! Facens, an event designed to prepare students for university life, fostering integration with upperclassmen and the broader Facens community. During this event, students can attend lectures, participate in interactive sessions, and explore the campus. They also engage in UP! Solidarity, focusing on supporting institutions and causes relevant to the city—a valuable initial contact with the culture of generosity widely promoted in various Facens initiatives.

Internationalization and Double Degrees

Centro Universitário Facens has international partnerships with various educational institutions worldwide, offering students opportunities both on and off-campus. This includes exclusive exchange programs with scholarship processes, double degree options, and internship opportunities abroad.



Innovation Centers

Facens hosts Innovation Centers in areas such as Games, Apps, Augmented and Virtual Reality, Metaverse and Blockchain; Smart City Solutions; Digital Construction, Infrastructure and Geotechnics, Materials and Components; Digital Content Production; Social Innovation; Digital Fabrication Laboratory; Artificial Intelligence; Industry 4.0 Solutions; Hardware, Software, and Firmware Product Development; Entrepreneurship and Open Innovation; Well-being and Quality of Life; and Student Competitions.



Events

Throughout the year, numerous events provide updates, experiences, and connections with companies, projects, and exhibitions. Examples include Plugins Careers and Market, Innovation and Competitions, freshmen welcoming activities, lectures, seminars, discussions, and panel debates.



Career Office

Offers internship and job opportunities to Facens students, providing support from crafting a résumé to interview preparation, with actions and enhancements aimed at facilitating entry into the job market.



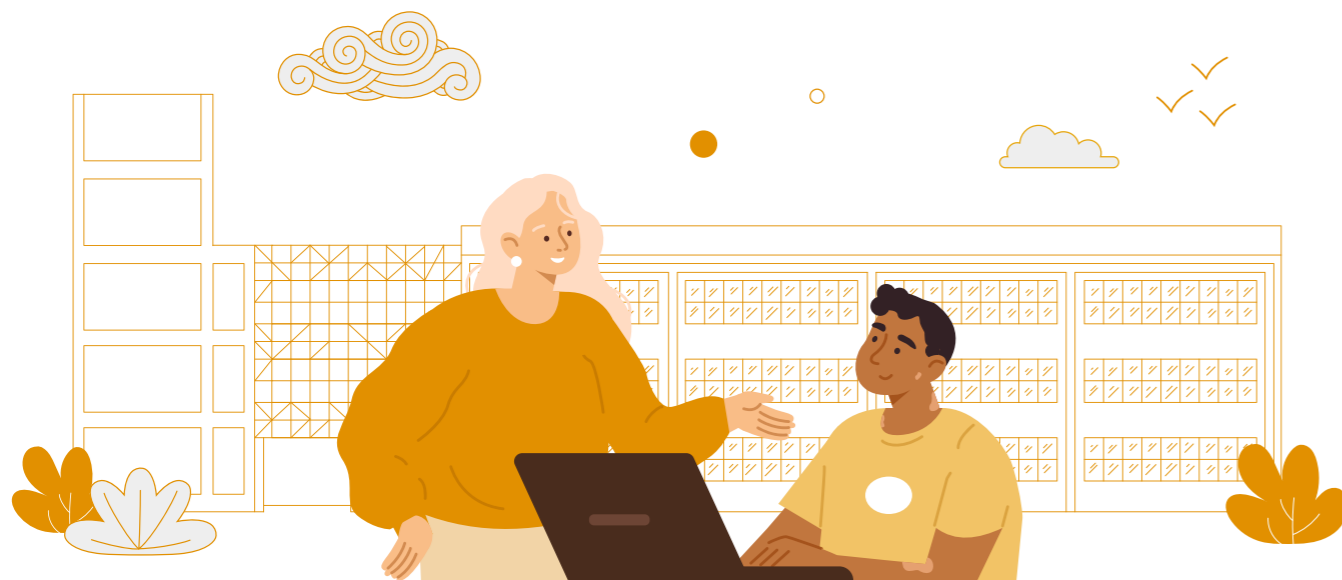
Tutoring

Students facing difficulties in their courses can seek assistance from peer tutors for academic support.



Psychopedagogical Support

Students have access to psychopedagogical support to assist with studies, learning difficulties, and addressing issues that may affect their classroom performance.



Integration with the Market

Centro Universitário Facens has always been committed to preparing students for the job market, integrating market needs with academic learning. We believe our students should not only meet but exceed company expectations, offering innovative knowledge and demonstrating entrepreneurial and sustainable attitudes.

In 2002, we established the Sorocabano Institute of Research and Advanced Studies (Ipeas - Instituto de Pesquisas e Estudos Avançados Sorocabano), which later became IP Facens in 2017. This branch collaborates with the market by providing research services, material testing, and development and innovation in areas like games, apps, augmented virtual reality, artificial intelligence, and Industry 4.0. Among our over 650 partners are companies such as Veolia, Huawei, Emerson, Flex, ABB, Claro, Ericsson, Balluff, JCB, CNH, Lanxess, Lenovo, Prysmian, ZF, and Grupo Splice.



Facens and Veolia

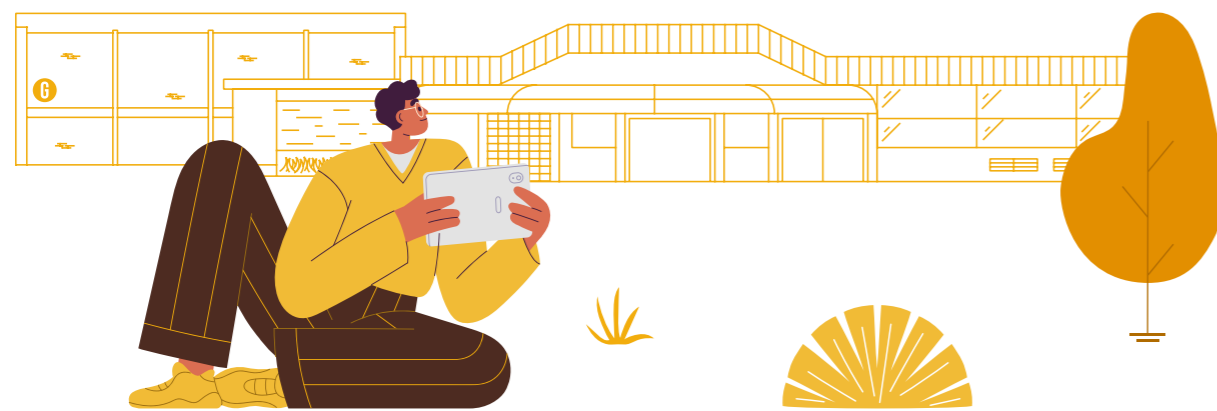
In March 2023, Facens inaugurated a laboratory in partnership with Veolia Water Technologies & Solutions, a French multinational and world leader in water, waste, and energy management.

The laboratory aims to develop sustainable projects involving company employees and Facens students. Focused on research and development, the initiative fosters academic learning and professional training.

Located on the institution's campus, the space marks the beginning of the partnership between the French multinational and Centro Universitário Facens.

“The inauguration of the Technological Laboratory at Facens reflects Veolia’s social commitment in the region and opens a bright path for the integration of future professionals into industrial digital development initiatives and the expansion of Research and Development capacities focused on solutions for ecological transformation to be applied in the country and the region.”

- Saulo Colenci – Laboratory Coordinator at Veolia



Global Compact

In 2022, Centro Universitário Facens became the first higher education institution in the Sorocaba region to become a signatory of the United Nations (UN) Global Compact in Brazil. This UN initiative mobilizes organizations to adopt and promote, in their business practices, ten universally accepted principles in the areas of human rights, labor, environment, and anti-corruption.



Launched in 2000, the Global Compact guides and supports the global business community in advancing UN goals and values through responsible corporate practices. With the creation of the Sustainable Development Goals (SDGs), engaging the private sector became part of its mission. With over 16,000 companies and nearly 4,000 non-business organizations across 70 local networks (covering almost 170 countries), it is the world's largest corporate sustainability initiative.

By joining the Global Compact, Facens commits to annually communicating its progress regarding the ten principles.

Principles of the Global Compact

 Human Rights	 Labor Standards	 Environment	 Anti-Corruption
 Support and respect the protection of internationally proclaimed human rights.	 Eliminate all forms of forced or compulsory labor.	 Support a precautionary approach to environmental challenges.	 Work against corruption in all its forms, including extortion and bribery.
 Ensure they are not complicit in human rights abuses.	 Abolish child labor effectively.	 Undertake initiatives to promote greater environmental responsibility.	
 Uphold the freedom of association and the effective recognition of the right to collective bargaining.	 Eliminate discrimination in respect of employment and occupation.	 Encourage the development and diffusion of environmentally friendly technologies.	

Awards and Recognitions

Throughout 2023, Centro Universitário Facens received various awards and recognitions, both for the institution and its professionals and students. We highlight the main achievements related to sustainability:

Guia Quero | Estadão

Facens earned 43 stars and 6 seals in the Quero | Estadão College Guide. All evaluated courses received stars, bringing Facens to a total of over 190 stars since 2016.

Best Courses in Sorocaba:



- Computer Engineering
- Electrical Engineering
- Mechanical Engineering
- Chemical Engineering



Best Course in Sorocaba at a Private Institution:

Production Engineering



Best Course in the State of São Paulo at a Private Institution:

Mechatronics Engineering



Facens is Top 3 in International Award Recognizing Innovative Education Practices



Making its debut at the QS Reimagine Education Awards, Centro Universitário Facens won the Bronze Award with the Smart Forests project in the “Sustainability Education” category, chosen from over 1,200 entries. This global award celebrates innovators in education, fostering a community committed to reshaping learning and professional opportunities for future generations.

The award ceremony took place at Khalifa University in Abu Dhabi, attended by Vitor Belota, Facens’ Head of Sustainability.



Facens Wins at Green Gown Awards

In July 2023, the Smart Forests Project won in the “Benefiting Society” category at the Green Gown Awards, an event highlighting sustainable projects by universities worldwide.

Additionally, Centro Universitário Facens received an honorable mention for the Sustainable Educator Project, which was highly recommended and a finalist in the “Next Generation Learning and Skills” category.



Facens Architecture and Urbanism Student is National Highlight in the 2030 Agenda

Carolina Segamarchi, a student in the Architecture and Urbanism course at Facens, had her project featured in the selection of Final Graduation Works and Good Teaching-Learning Practices of the Academic Guide for the 2030 Agenda, an initiative by the Institute of Architects of Brazil (IAB) and the Brazilian Association of Architecture and Urbanism Education (ABEA).



Her project, titled “Student Housing as a Space Fostering Sociability, Urbanity, Culture, and Knowledge,” proposed creating student housing in Sorocaba. It aimed not only to offer affordable housing but also to fulfill the Fourth Sustainable Development Goal: Quality Education.

This achievement highlights not only Carolina’s talent but also Facens’ commitment to the UN’s Sustainable Development Goals, reinforcing the role of students as protagonists in building a more sustainable and accessible future.



[Click here](#) to learn more about Carolina Segamarchi’s project.



FACENS 2023 SUSTAINABILITY REPORT

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