IMU SDG PROGRESS REPORT

on SDG-7 AFFORDABLE AND CLEAN ENERGY

2025

7 AFFORDABLE AND CLEAN ENERGY



1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

SDG PROGRESS REPORT

ISTANBUL MEDENIYET UNIVERSITY

Istanbul Medeniyet University
Sustainability Office

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SDG Icons
https://www.un.org/sustainabledevelopment/news/communications-material/
Sustainable Development Report Maps
https://dashboards.sdgindex.org/map/
SDG Statics
https://unstats.un.org/sdgs/report/2025/
https://sdgs.un.org/goals

FOREWORD

The 17 Sustainable Development Goals adopted by the United Nations in 2015 with the mission statement “a blueprint to achieve a better and more sustainable future for all people and the world by 2030” have become guiding principles for all of us as countries, institutions, and individuals today. In this context, the new vision for universities has now shifted from the older scholastic concept of education solely oriented toward professional training to an understanding that prioritizes human and social responsibility. Therefore, universities are central to the achievement of sustainable development goals. Thus, as İstanbul Medeniyet University,

We always consider sustainable development goals in our university’s high-level strategies, organize our management and implementation processes in line with these principles, and follow up on our activities and process of sustainability through reports for continuous improvement. **(OPERATIONS)**

While we help our students gain professional and personal skills and qualifications, we are raising future leaders, decision-makers, entrepreneurs, teachers, and more importantly, individuals with the awareness of creating a better world through the sustainability trainings we include in our course contents. **(LEARNING)**

We carry out a wide range of activities and events to share our knowledge, experience, and best practices about the implementation of SDGs with our students, staff, and local community with the ultimate aim of building a more conscious society. **(EVENTS)**

In 2022, IMU Sustainability Office was established to assume the role to place “Sustainable Development Goals” in the center of our institutional practices, educational planning, and research activities and to lead toward the realization of these goals. IMU Sustainability Office plays a significant part in developing our institutional strategies for SDGs, planning and carrying out our related activities and reporting on our progress. In addition to its contribution to institutional development, the Office also organizes public training programs and workshops.

Our Sustainability Office has planned to create annual sustainability development goals progress reports that will include all the goals and all areas of activity of our university so that we can see our progress in achieving SDGs to create new and better strategies and the report you are reading has been issued for the year 2025 as a result of these efforts. I thank everyone who have contributed to the creation of the report and especially Res.Asst. Ayça ÇELİKBİLEK, Res.Asst. Furkan ERUÇAR and Lect. Zehra SAVAN who have edited and published all the content for our SDG website and our reports. I hope that our efforts will inspire new ideas, actions, and collaborations to take action for a more sustainable and livable future.

Prof. Dr. Yaşar BÜLBÜL
Vice-Rector and Sustainability Office Coordinator
Istanbul Medeniyet University

The Times Higher Education Impact Rankings, which assesses the contribution of universities around the world to sustainable development goals, has been an important source of motivation for us to see our place in the world and measure our contribution with all the activities we carry out for sustainable development as a higher education institution. As Istanbul Medeniyet University, we were included in THE Impact Ranking for the first time in 2021 by applying with only 4 SDGs, while we applied with 11 SDGs for 2024, being ranked 601-800 in the global ranking. The table below shows IMU's continued rise on this ranking.

Sustainable Development Goals	THE Impact Rankings 2025	THE Impact Rankings 2024	THE Impact Rankings 2023	THE Impact Rankings 2022	THE Impact Ranking 2021
General Ranking	**401-600**	**601-800**	801-1000	1001+	1001+
SDG 1 No Poverty	**801-1000**	**601-800**	601-800	-	-
SDG 2 Zero Hunger	**301-400**	**301-400**	401-600	401+	301-400
SDG 3 Good Health and Well-being	**401-600**	**301-400**	301-400	401-600	401-600
SDG 4 Quality Education	**801-1000**	**1001-1500**	801-1000	801-1000	601-800
SDG 5 Gender Equality	**1001-1500**	**801-1000**	801-1000	-	-
SDG 8 Decent Work and Economic Growth	**601-800**	**401-600**	401-600	401-600	-
SDG 9 Industry, Innovation and Infrastructure	**601-800**	**801-1000**	601-800	601+	-
SDG 10 Reduce Inequalities	**401-600**	**401-600**	401-600	401-600	-
SDG 11 Sustainable Cities and Communities	**401-600**	**601-800**	401-600	601+	-
SDG 12 Responsible Consumption and Production	**101-200**	**201-300**	201-300	-	-
SDG 15 Life on Land	**101-200**	**-**	-	-	-
SDG 17 Partnerships for the Goals	**301-400**	**401-600**	601-800	1001+	601-800

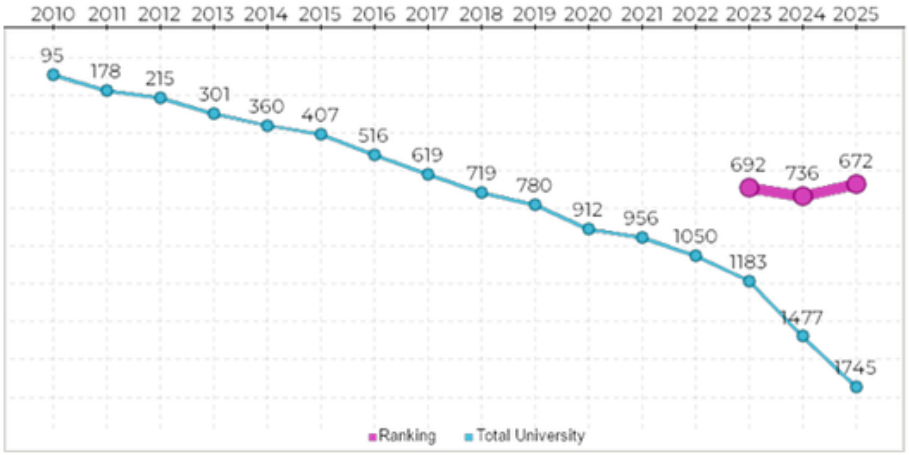
Another international index that assesses universities' performance in the field of sustainability is UI GreenMetric, which was launched by the University of Indonesia in 2010 and has since become the world's leading ranking for green campuses and environmental sustainability.

Participating in the UI GreenMetric World University Rankings for the third time in 2025, Istanbul Medeniyet University ranked 672nd out of 1,547 universities worldwide and 72nd out of 142 universities nationally.

IMU achieved full marks in the "Waste" category – one of the six categories assessing universities' environmental initiatives – and was among the 33 universities worldwide to achieve first place in this category.

Following the Waste category, in which we ranked first both globally and in Turkey, our University achieved its second-best result in the "Water" category, scoring 737.5 out of 1,000 to rank 477th globally and 43rd in Turkey.

In the Education and Research category, our University scored 1,362.5 out of a possible 1,800, placing 501st globally and 50th in Turkey.

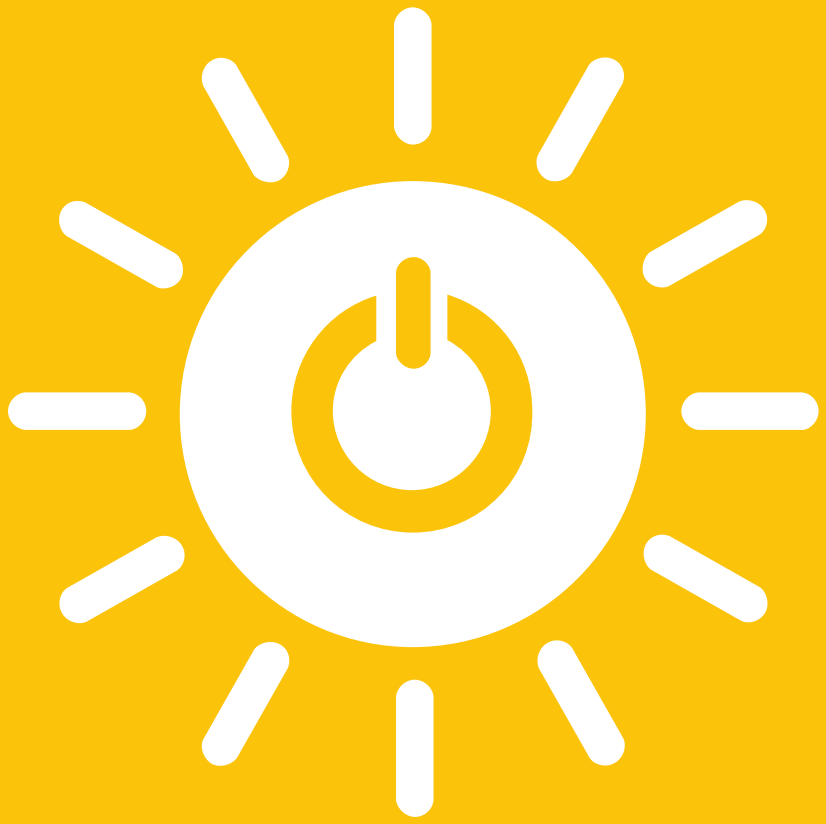


UI GreenMetric World University Rankings History Diagram

World Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
672	1464	1002	33	478	1231	501

Country Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
72	129	89	5	43	113	53

7 AFFORDABLE AND CLEAN ENERGY



7 AFFORDABLE AND CLEAN ENERGY

Between 1990 and 2010, the number of people with access to electricity has increased by 1.7 billion, and as the global population continues to rise so will the demand for cheap energy. A global economy reliant on fossil fuels, and the increase of greenhouse gas emissions is creating drastic changes to our climate system. This is impacting every continent.

Efforts to encourage clean energy has resulted in more than 20 percent of global power being generated by renewable sources as of 2011. Still one in seven people lack access to electricity, and as the demand continues to rise there needs to be a substantial increase in the production of renewable energy across the world.

Ensuring universal access to affordable electricity by 2030 means investing in clean energy sources such as solar, wind and thermal. Adopting cost-effective standards for a wider range of technologies could also reduce the global electricity consumption by buildings and industry by 14 percent. This means avoiding roughly 1,300 mid-size power plants. Expanding infrastructure and upgrading technology to provide clean energy in all developing countries is a crucial goal that can both encourage growth and help the environment.

WORLD

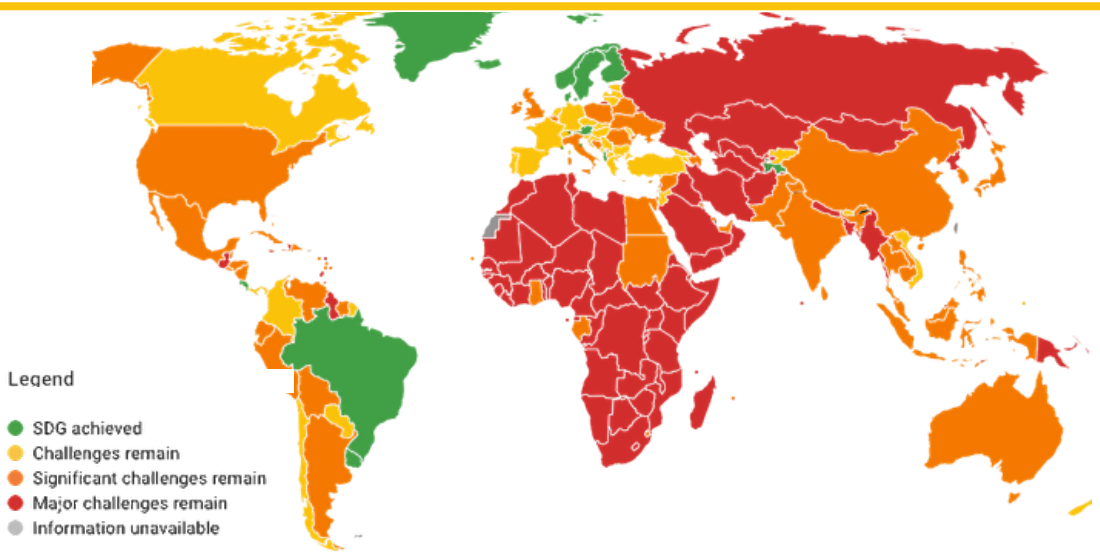
92%
percent of people had global electricity access in 2024

2 BILLION
people worldwide remain dependent on polluting and hazardous fuels for their cooking needs

655 MILLION
people still live without electricity

30%
renewables now provide over 30% of global power generation

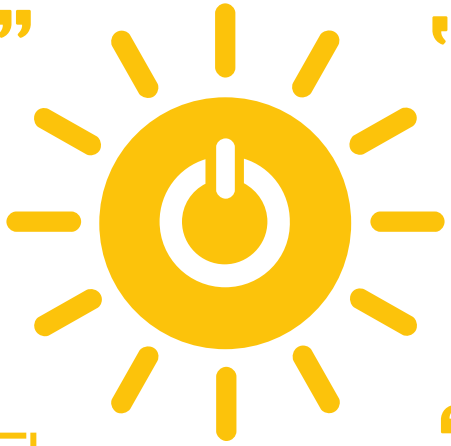
544 WATTS
global renewable energy capacity reached a record 544 watts per person in 2024



TURKEY

7,697,562
KWH
electricity used in IMU campuses

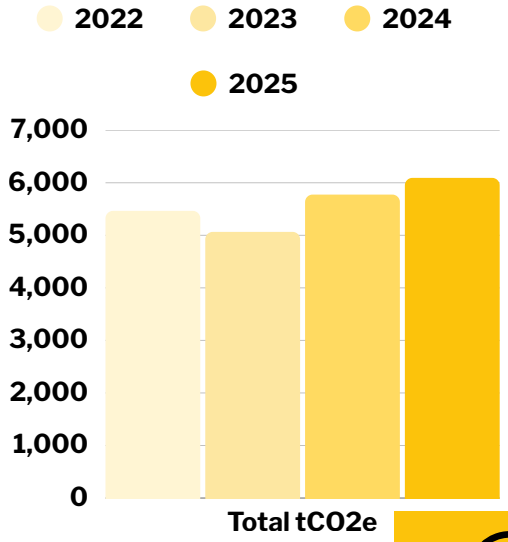
513,109 M 3
NATURAL GAS
used in IMU campuses (m3)



energy management unit to ensure energy efficiency

756,307
TRY
spent for fuel at IMU

ISTANBUL MEDENIYET UNIVERSITY PROGRESS IN YEARS



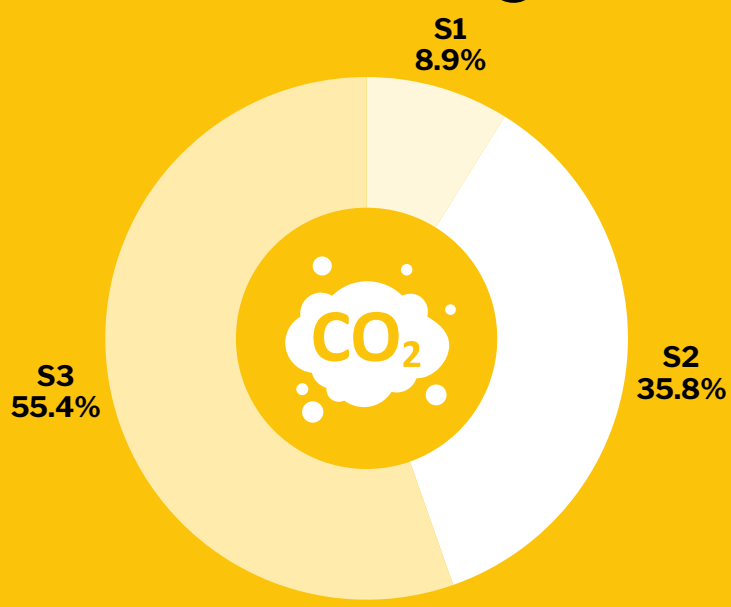
Total tCO2e

Emissions per Student

(2022)
0,52
tCO2e

(2025)
0,44
tCO2e

Distribution of carbon footprint by category (2024)



S1: Direct Emissions
(Stationary combustion such as natural gas consumption; Mobile combustion such as gasoline and diesel consumption; Fugitive emissions such as chiller and air- conditioning units)
S2: Energy Direct Emissions
(Purchased electricity)
S3: Indirect Emissions
(Emissions due to waste; Emissions due to water consumption)

Energy-efficient Buildings and Renovation

Istanbul Medeniyet University has a policy on carrying out the energy management activities within the institution in accordance with the applicable national or international qualifications and standards that form the basis for certification. This policy was put into effect with **Istanbul Medeniyet University Energy Directive**. In this context, in order to ensure and certify energy efficiency in the buildings used by our university, the Energy Performance Certificates that were put into effect as per the **Energy Performance of Buildings Regulation** were designated as our national standard and the International TS EN ISO 50001 Energy Management System as our international standard and a decision was made that all construction work would be carried out according to these qualifications and standards.

IMU attaches importance to ensuring energy efficiency both in its newly constructed buildings and its older buildings that have been taken into reuse after refunctioning and renovation and carries out certain practices to increase energy efficiency for brownfields. For instance, much work has been done to achieve efficiency in different types of energy in our buildings which were taken over from the another institutions. Stone wool insulation was applied to achieve thermal insulation for the buildings and the existing lighting systems were renewed with photocell lighting assemblies to reduce electricity use.

Carbon Reduction and Emission Reduction Process

Istanbul Medeniyet University recognizes the urgent need to address the challenge of climate change and implements various strategies to reduce carbon emissions from its activities. IMU's main goal is to minimize its carbon footprint, reduce greenhouse gas emissions, and promote sustainability initially through smart energy efficient choices, responsible purchasing practices and education. While IMU continues to improve its physical environment and capabilities, it also prioritizes building stronger policies.

By adopting IMU Climate Change Policy, IMU is committed to reducing its carbon footprint and promoting sustainability in the community.

At the end of each year, IMU calculates the carbon emissions resulting from its activities, evaluates the efficiency of its reduction strategies and revises its strategies where necessary.

When the data for 2025 is evaluated, it is seen that IMU's reduction strategies have been successful and the total carbon footprint was **6,093 tCO2e**. At the same time, the amount of emissions per student has decreased from 0.52tCO2e to **0.44 tCO2e** in last three years.

OPERATIONS

Istanbul Medeniyet University signed an agreement with TRUGO Smart Charging Solutions in September 2025 to install 16 electric vehicle charging stations across its campuses, including **11 at the North Campus**, **3 at the South Campus**, and **2 at the Orhanlı Campus**. The initiative aims to provide accessible charging infrastructure for students, staff, and visitors while encouraging the adoption of electric vehicles and sustainable transportation practices.

By supporting the transition from conventional fuel-powered vehicles to electric mobility, the project has the potential to reduce transportation-related carbon emissions and contribute to lowering the University's overall carbon footprint. This initiative reflects IMU's ongoing commitment to reducing greenhouse gas emissions, promoting low-carbon transportation, and developing environmentally sustainable campuses.

Furthermore, the expansion of electric vehicle charging infrastructure supports the long-term integration of cleaner transportation alternatives into campus life. By facilitating the use of electric vehicles among the university community, IMU aims to promote environmentally responsible mobility choices and contribute to broader efforts to mitigate climate change through the reduction of transportation-related emissions.





Electric Vehicle Charging Stations in North Campus

IMU

Plan to Reduce Energy Consumption

IMU has established an Energy Management Unit and developed an energy efficiency policy in order to regulate energy management practices within the institution, to use energy effectively and efficiently, to prevent energy waste and to increase efficiency in energy use for environmental protection.

The Energy Management Unit established within IMU is responsible for the preparation of energy identity certificate of buildings, building controls, audit activities, determination of energy needs, creation and updating of building inventories, remote monitoring and automation of energy, energy management, energy culture and efficiency awareness.

The unit also uploads and monitors the consumption amounts of the university buildings and the consumption cost corresponding to this amount to the Energy Efficiency Software. It produces strategies to reduce energy consumption and increase energy efficiency.

Within the scope of the Regulation on Energy Performance in Buildings, it takes measures to increase efficiency in order to carry out the necessary maintenance, repair and modifications in order to ensure that the necessary maintenance, tests are carried out in a timely and appropriate manner on issues related to the efficiency of systems such as architectural, mechanical, electrical and lighting systems that affect the energy performance of the building and that the building is operated in a way that does not fall below the energy performance at the design stage.

Energy managers appointed within the IMU, record information on energy consumption and energy management practices within the institution on the ENVER portal, the energy efficiency software of the Ministry of Energy and Natural Resources. Thus, all efficiency processes designed to reduce energy consumption are carried out electronically to collect, evaluate, analyse and share data with relevant units and public institutions.

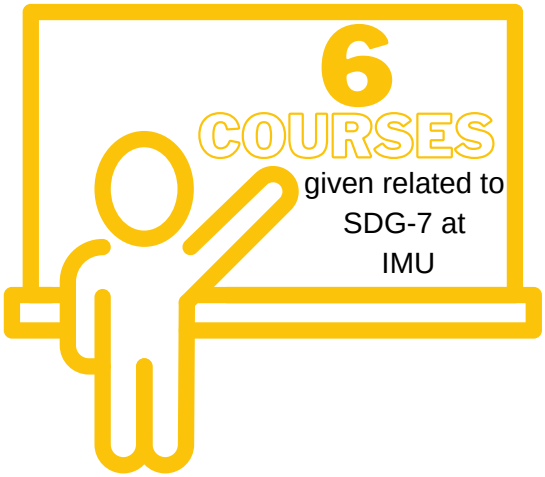
In addition, both the Energy Management unit and the Sustainability Office and related units organise trainings and workshops for our students, staff and the public on energy efficiency, clean energy and measures to reduce energy consumption.

In addition, the Sustainability Office prepares the SDG-7 Affordable and Clean Energy Progress report at the end of each year and analyses energy consumption for the relevant year. Following this report, assessments on energy consumption increases in certain areas and suggestions on solutions to reduce energy consumption are forwarded to the relevant units.

LEARNING

Learning processes are key in achieving SDGs. Thus, universities play a critical role both by training professionals who will prioritize SDGs in their future practices and by increasing local, national, and global capacity to successfully achieve SDGs. As Istanbul Medeniyet University, we are aware of our critical role and therefore, we primarily inform our students, the leaders and decision-makers of the future, about the Sustainable Development Goals through course contents, co-curricular activities and student club activities and strengthen their awareness. For this purpose, each of our faculties and departments prepares SDG-related course contents, including courses that address the Sustainable Development Goals holistically, as well as specific contributions that can be made by the expertise of the relevant professional field in which they provide training. In 2025, 6 bachelor degree courses related to SDG-7 were given at IMU.

Some of these are listed below.



Faculty	Course
Arts and Humanities	PSİ 414 - Selected Topics in Clinical Health Psychology
Dentistry	TEB106 – Medical Genetics
Education Sciences	ECE018 – Pediatric Health and First Aid
Engineering and Natural Sciences	BYM416 - Micropollutants, Treatment and Effects on Human Health
Medicine	TFS104 – Cancer Biology
All- Elective	IMU071-Introduction to Sustainability

EVENTS

Istanbul Medeniyet University's Science and Engineering Student Club (BMT) participated in the **TEKNOFEST 2025 International Efficiency Challenge Electric Vehicle Races** with a hydrogen-powered vehicle developed by its HidroCar Team. The project, carried out entirely through student-led research and development activities, marked the team's third year of designing hydrogen-powered vehicles. Building on their previous experience, the students aimed to develop a lighter, more efficient, and more durable vehicle.

Hydrogen-fueled cars generate power by converting hydrogen gas into electricity using a fuel cell, producing water vapor as waste from the hydrogen gas burned. Therefore, the hydrogen-fueled vehicle developed by the BMT Hydrocar Team has a zero-emission and environmentally friendly design.

Throughout the project, students developed innovative solutions in material selection, aerodynamics, electronic control systems, and software to improve vehicle performance and energy efficiency. The initiative provided valuable hands-on experience in alternative energy technologies and sustainable mobility while encouraging innovation in clean transportation. By supporting student-led research into hydrogen fuel technologies, the University contributed to raising awareness of alternative energy sources and promoting the development of more energy-efficient and environmentally sustainable transportation solutions.





IMU HidroCar