



Italian companies Enel X, Leonardo and Tim sign memorandum of intent with Rio State Government to develop smart city projects

- *The technical and commercial cooperation between the three Italian companies aims to support the State Government of Rio de Janeiro in the study and proposal of a model of "Smart, Safe and Resilient Cities"*
- *Cutting-edge technology solutions for transportation infrastructure, connectivity and lighting, digital transformation and energy efficiency models.*
- *Tailored joint integrated solutions ensuring customer support throughout their life cycle*

Rio de Janeiro, February 01, 2022 - Enel X Brasil, Leonardo and TIM - three leading Italian companies and global references in the sectors of energy, electric mobility, technologies, connectivity and cybersecurity - and the state government of Rio de Janeiro signed on Tuesday (01), at the Palácio da Guanabara, in Rio de Janeiro, a memorandum of understanding to begin studying joint solutions to transform Rio de Janeiro into a model of a smart, safe and resilient city. With a broad portfolio in Energy, Security and Communications and a service-oriented approach, the three companies will offer Brazil tailor-made integrated solutions addressing the entire project life cycle.

Under the agreement, each company will develop and provide key capabilities in the areas of transportation, connectivity, digital transformation, and energy, offering joint solutions for a connected e-city, and efficiently contributing to bring more protection, safety and quality of life to citizens in their daily activities, as well as providing products and services that boost the expertise of the Brazilian industry.

Furthermore, the partnership aims to identify possible cities where smart city technologies can be applied, seeking to turn them into a "living laboratory" for technological applications that contribute to sustainable development in the locality.

Thanks to this agreement, a full range of electronic services will be offered: e-city, e-home, e-mobility, e-industries, and also digital financial services. Energy systems and artificial intelligence will be applied to make citizens' lives easier, adding quality of life and safety to their daily lives.

Consequently, the possible applications developed for smart cities from the partnership include the implementation of citizen safety technologies, with connectivity and integrated with a series of smart sensors that will help in the measurement of climate and pollution levels, as well as public charging systems for electric vehicles.

For companies and public buildings, the partnership foresees the dissemination of the energy efficiency concept, through the development of engineering solutions, the supply of renewable energy in distributed generation plants, and the use of real-time monitoring platforms for climatization. The goal is to offer sustainable and innovative solutions, providing more efficiency to customers.

"We are working hard to advance the electrification of consumption and offer sustainable solutions that contribute to reducing carbon emissions in all countries where we operate. In urban centers, we offer innovative services and products to make cities less polluting, more digital and circular, with benefits for the whole society. The partnership with the government of Rio de Janeiro, Tim and Leonardo strengthens Enel X's strategy in Brazil, expanding the company's capacity to act, mainly, in the electric mobility and energy efficiency market in the state," said Enel Brasil's Country Manager, Nicola Cotugno.

"The execution of safe Smart Cities, from an integrated vision of the urban context, is one of the areas in which Leonardo wants to make a decisive contribution, for the benefit of the citizens of Brazil and the world. For a sustainable and digital development of the urban environment it is essential that cities are managed by new models and advanced technological solutions such as Leonardo's X-2030 platform, which integrates data from heterogeneous sources and sensors to ensure safety, environmental protection, flexible mobility and energy management efficiency," added Francesco Moliterni, International Marketing & Strategic Campaigns Director and Vice President of Leonardo in Latin America.

Mario Girasole, Vice President of Regulatory and Institutional Affairs at TIM Brasil, reinforces the importance of partnerships for the development of digital transformation projects throughout the country: *"We are leaders in 4G coverage in Brazil and pioneers in 5G pilots already in Rio de Janeiro. By combining connectivity with the opportunity to offer integrated services, which contribute to the development of cities and the national industry, we are taking another step towards the digital transformation we need and mainly benefiting the population. Our expectation is that the partnership we agreed today with the Government of Rio de Janeiro to enable new IoT solutions is a great example of what we can offer to provide to other cities and states."*

For the governor of Rio de Janeiro, Cláudio Castro, the partnership with these three Italian companies puts Rio de Janeiro back in the digital transformation and sustainable development scenario.

"The technical cooperation will support the State Government with study and proposals for a model of smart, safe and resilient cities. This project will be extremely beneficial to our state as it will provide more protection, safety, and quality of life for Rio's citizens and industries. The movement to attract new investments to Rio de Janeiro has already begun," says the governor.

About Enel X

Enel X is Enel's global line of business dedicated to the design and development of products and services with a focus on the principles of sustainability and circular economy to provide people, communities, institutions and companies with solutions that respect the environment and incorporate technological innovation into everyday life. The company is a global leader in advanced power solutions, managing services such as 6 GW of global demand response capacity and 116 MW of power storage capacity worldwide, as well as a leading player in the electric mobility industry, with around 170,000 public and private electric vehicle charging points worldwide, and is a leader in the market with more than 2.8m Public Lighting locations under its management.

About Leonardo

Leonardo, a global high-tech company, is among the world's top ten players in Aerospace, Defense and Security and is Italy's leading industrial company. Organized into five business divisions, Leonardo has a significant industrial presence in Italy, the UK, Poland and the USA, where it also operates through subsidiaries that include Leonardo DRS (defense electronics) as well as joint ventures and partnerships: ATR, MBDA, Telespazio, Thales Alenia Space and Avio. Leonardo competes in the most important international markets leveraging its technological and product leadership areas (Helicopters, Aircraft, Aerostructures, Electronics, Cybersecurity and Space). Listed on the Milan Stock Exchange (LDO), in 2020 Leonardo recorded consolidated revenues of €13.4 billion and invested €1.6 billion in Research and Development. The company has been part of the Dow Jones Sustainability Index (DJSI) since 2010 and was named a global sustainability leader in the Aerospace and Defense sector for the DJSI's second consecutive year in 2020.

About TIM Brasil

"To evolve together with courage, transforming technology into freedom" is the purpose of **TIM**, which operates throughout Brazil with telecommunications services, focused on the pillars of innovation, customer experience and agility. The company is recognized for leading important market movements since the beginning of its operations in the country and is at the forefront of society's digital transformation, in line with the brand's tagline: "Imagine possibilities." Since 2015, it has been the leader in 4G coverage in Brazil, connecting, including in the countryside, to enable innovation in agribusiness. It pioneered the activation of 5G networks in the country, with the creation of Living Labs in 2019, and is ready for the next generation of mobile networks. TIM values diversity and promotes an increasingly inclusive culture, with a work environment based on respect. The company is committed to the best practices in Environmental, Social and Governance, and that is why it is part of important portfolios in the Brazilian Stock Market, such as S&P/B3 Brazil ESG, Carbon Efficient Index (ICO2) and Corporate Sustainability Index (ISE), being the Telecommunications operator for the most consecutive years in this list (13 years). TIM is also part of the B3 New Market, recognized as the highest level of Corporate Governance, the first Telecommunications company recognized by the Comptroller General of the Union (CGU) with the Pro-ethics seal and the first Telecommunications company with the ISO 37001 certificate.