NEW BUSINESSES

MOBILITY, WATER AND ELECTRIFICATION

Ferrovial explores new business opportunities related to sustainable infrastructure in the mobility, water and electrification sectors. By doing so, it has reinforced its commitment to the 2030 Agenda.

The Horizon 24 Plan, presented in January 2020 by Ferrovial marks the entry of the company into new sectors. Initially, it plans to embark on projects in mobility, through Zity; water, through Cadagua; and electrification, with transmission, are the chosen sectors.

MOBILITY

Ferrovial is constantly searching and investigating ways to offer accessible, clean and sustainable mobility solutions with the aim of reducing congestion and contamination in cities as part of its firm commitment to SDG 9 (industry, innovation and infrastructure) and SDG 11 (sustainable cities and communities).

The recent creation of the Ferrovial Mobility business unit seeks to respond to new habits amongst citizens, the technological disruption, care for the environment and traffic congestion in cities.

Thanks to its experience in the development and operation of transport infrastructure and its knowledge of users, it offers innovative mobility services that adapt to new market demands, as part of its commitment to infrastructures adapted to connected, autonomous, shared and electric mobility.

Zity is an electric carsharing service that facilitates rentals by the minute. Ferrovial, in collaboration with Renault, has a fleet of more than 750 fully-electric Renault ZOE vehicles, with an autonomy of 300 kilometers, in Madrid and 500 in Paris.

Furthermore, as part of its commitment to progressively increasing the purchase of renewable electricity (with the goal of reaching 100% in 2025), an agreement has been signed with Iberdrola to recharge car batteries using certified renewable energy.

The startup Wondo offers all mobility options available in Madrid, in addition to the payment of services, on a single platform, spanning taxis, public transport and *carsharing and motorbike sharing services.*

WATER

Through its subsidiary Cadagua, which boasts almost 50 years' experience, it builds and manages water treatment and purification plants, developing the highest quality purification and desalination technologies with maximum respect for the environment.

It has drinking water treatment plants (DWTP), wastewater treatment plants (WWTP), industrial wastewater treatment plants (IWWTP), thermal drying plants for urban sewage sludge and seawater desalination plants (SWDP). The latter are equipped with inverse osmosis technology for which the company is renowned worldwide.

The company has designed and built more than 235 water treatment plants to supply more than 21 million people. It has more than 140 treatment plants (DWTP) that treat the discharge from around 29 million residents. The most notable DWTP include those in Utebo and Bens.

Ferrovial, with 85 drinking water treatment plants and 32 desalination plants, supplies 15.5 million residents, offering innovative designs in the construction of treatment plants and selecting the right technology thanks to the training of its engineers and technicians. The company has built 32 desalination plants worldwide with a combined capacity of more than 1,200,000 m^3 per day; worth particular mention are the Al Ghubrah plant in Oman, the Al-Zawrah plant in Ajman and those in Rambla de Valdelentisco, Águilas-Guadalentín, Alicante and Ceuta.

Cadagua boasts extensive experience in the design, construction, operation and maintenance of thermal sludge drying, the treatment of dewatered sludge from treatment plants. The goal is to evaporate as much water as possible in the sludge in the most energetically efficient manner. It operates the largest thermal drying plant in Europe (South, Madrid), treating 300,000 tons per year.

FERROVIAL - HYPERLOOP TRANSPORTATION TECHNOLOGIES ALLIANCE

Ferrovial, as a global leader in the infrastructure sector, and Hyperloop Transportation Technologies (HTT), as a pioneer in Hyperloop technologies, have signed a framework agreement to jointly study different project development opportunities for this revolutionary mode of ground transportation in the US. Both companies thus open the door to cooperation in developing a wide range of tasks, including the analysis and development of routes, the operation and maintenance of Hyperloop technology itself or engineering and construction work, for both potential passenger and freight transport projects in the American region.

WATER TREATMENT PLANTS

235

DESALINATED WATER

1.2

million m^3 per day

ELECTRICAL TRANSMISSION LINES

408

kilometers in operation

ZITY

1,250

100% electric vehicles

Zity. Paris, France.

ELECTRIFICATION

The company provides integrated solutions for the development and management of electrical transmission lines. It is staunchly committed to electrification, decarbonization and energy efficiency.

Currently, it operates three transmission lines, positioning the company amongst the biggest players in Chile:

- Charrúa-Cautín in southern Chile: operation and maintenance of a 220 kV double-circuit line measuring 204 kilometers in length with a transmission capacity of 500 MVA per circuit. The infrastructure serves more than 300,000 homes.
- Nueva Pan de Azúcar, to the north of Santiago de Chile: construction and operation of a line measuring approximately 250 kilometers (2 x 220 kV) with a nominal capacity of 580 MVA per circuit. The project includes the construction of the new Centella substation in the city of Salamanca.
- Tap Mauro, to the north of Santiago: construction, operation and maintenance of a four-circuit transmission line spanning 3 kilometers each connecting the Los Piuquenes - Tap Mauro line to the new Centella substation.