Telefónica Tech

Energy & Utilities

The Energy & Utilities sector is facing a transformation process towards new models to make it more efficient, resilient, and digital.

The evolution in this process can be accelerated and successfully achieved thanks to our solutions and the combination of IoT, Big Data, Artificial Intelligence, and Blockchain technologies.

ELECTRICITY SECTOR DIGITALISATION

The electricity sector has positioned itself as the most suitable means of achieving the decarbonisation of our economy, thanks to the large-scale deployment of renewable energies, the use of electric vehicles, and the integration of distributed energy resources.

BENEFITS

- Greater efficiency in electricity grid management.
- Facilitates new business models.
- Operations and process optimisation.

THE DIGITALISATION OF NATURAL GAS

The use of digital tools is becoming increasingly necessary in the natural gas sector, from the digitalisation of meter readings for millions of users, to the analysis and prediction of consumption and the detection of non-technical losses in the distribution networks.

BENEFITS

- Optimisation of operations and processes.
- Improved user, i.e., consumer, satisfaction.
- Detection and reduction of non-technical losses (leaks and anomalies).

DIGITALISATION OF THE WATER SECTOR

We digitalise the water cycle through the use of digital platforms that guarantee its correct recovery and treatment, the use of IoT elements for its proper distribution and the digitalisation of meter readings to reduce leaks.

BENEFITS

- Reduce water losses throughout the water cycle.
- Adapt infrastructure investment plans.
- Create customer consumption profiles and identify consumption patterns and trends.
- Improve demand management strategy.
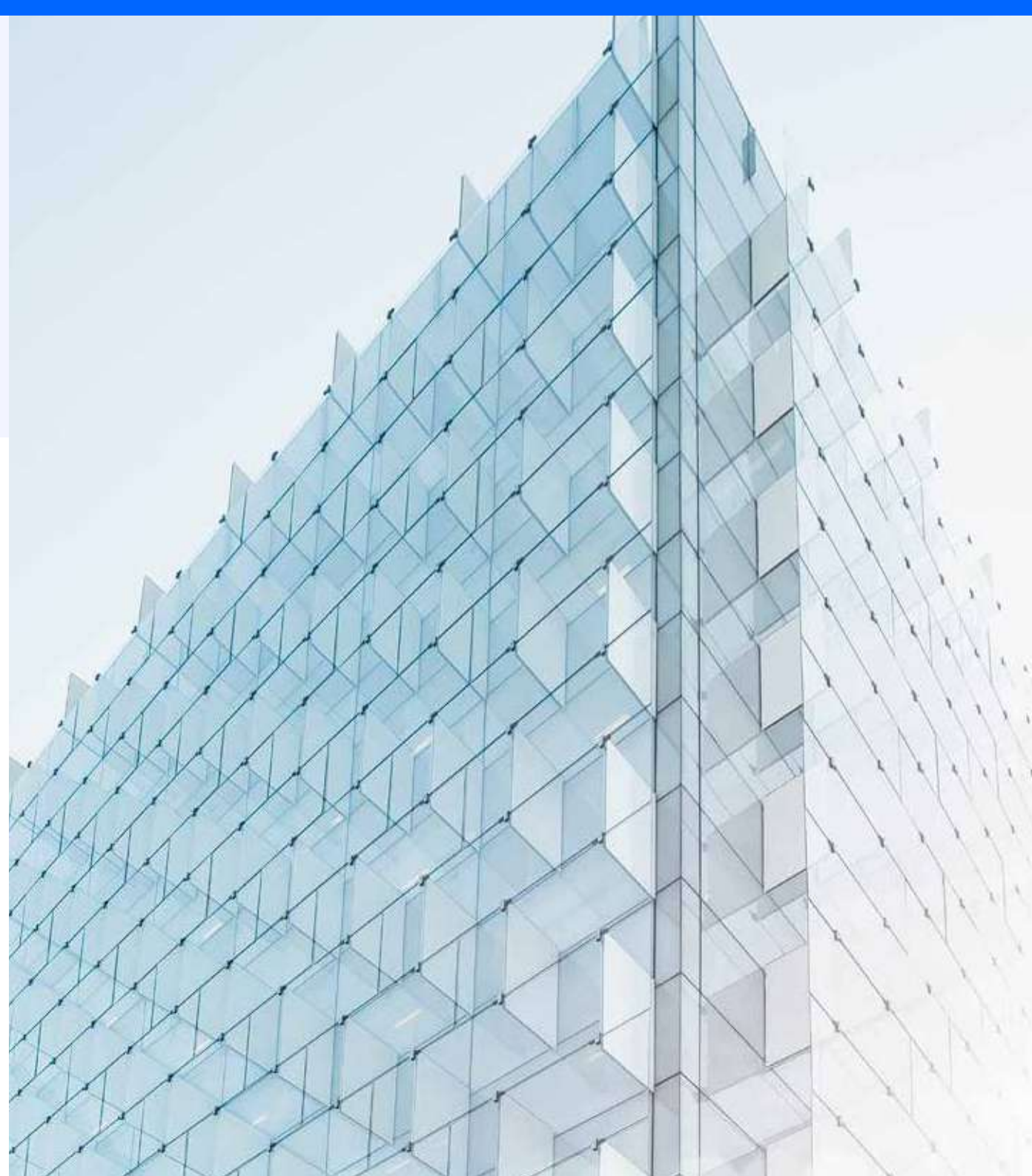- Reduce energy consumption in the water management value chain.

DATA-DRIVEN ORGANISATION

We are experts in Big Data, IoT, Blockchain and Artificial Intelligence. We help you improve the decision-making process in your organisation, supporting you on the journey towards the digital transformation of your organisation into a data-driven company.

BENEFITS

- Increase your organisation's resilience to change.
- Align your data strategy with your business strategy.
- Optimise investments and reduce risk.
- Detect and implement use cases that generate business value.
- Ensure data quality and governance.

WHY **TELEFÓNICA TECH**?

Greater operational efficiency and reliability of a large part of its processes can be achieved thanks to the digitisation of the Energy & Utilities sector. This, in turn, allows for the intelligent management of associated technical infrastructures, the reduction of environmental impact and the development of new business models. The evolution of this process can be accelerated and successfully achieved thanks to the solutions and know-how of Telefónica Tech AI of Things through a combination of technologies such as IoT, Big Data, Artificial Intelligence and Blockchain.

Thanks to our capabilities as an operator, we have the capacity to design the network and its operation according to the connectivity needs required by IoT devices, thus offering the end-to-end solution that includes connectivity to our customers.

We also certify the correct operation of the devices through the capabilities and testing of The Thinx's expert laboratory team, to guarantee the reliability and security of the devices that form part of our products.