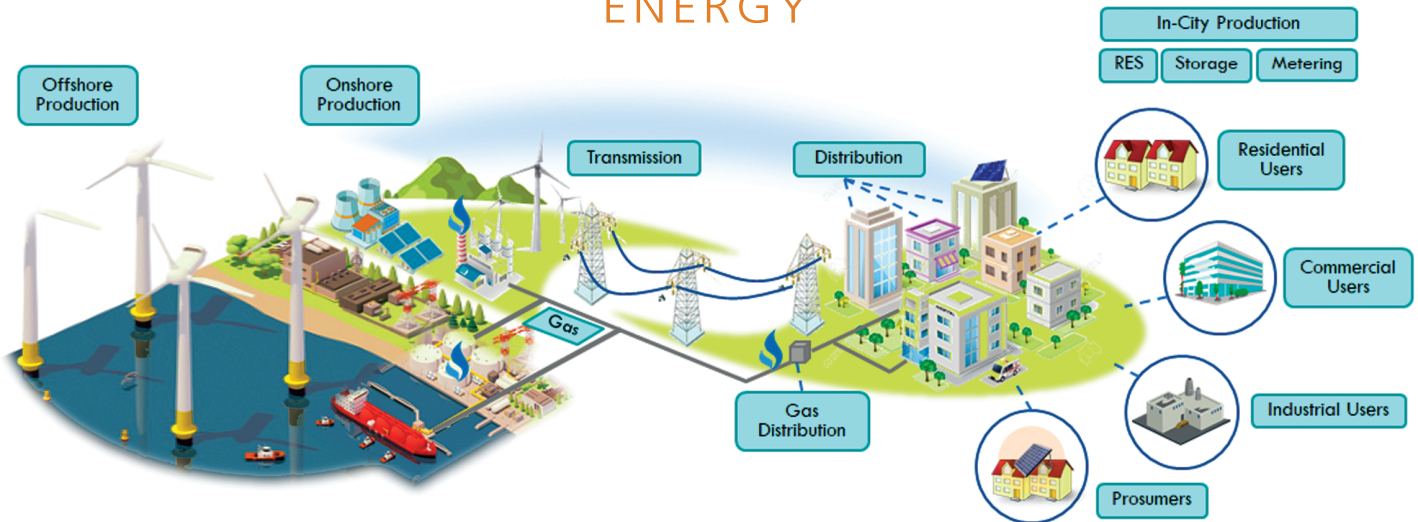




ARTEMIS ENERGY



Artificial Intelligence and IoT Powered Platform for the Proactive Management of Energy Systems

ARTEMIS Energy offers automated processing of energy measurements, provides analytics and recommendation services, achieves eco-friendliness and cost efficiency.

<p>Smart Metering</p> <ul style="list-style-type: none"> • Smart energy metering and power theft control • Consumption statistics and comparisons • Detection & localization of incidents • Assessment of the performance of the energy distribution network • Prediction of demand 	<p>Buildings</p> <ul style="list-style-type: none"> • Power consumption forecasting • Improved energy management • Renewable energy integration • Improved customer service • Smart lighting
<p>Cities</p> <ul style="list-style-type: none"> • Photovoltaic (PV) power generation analytics • PV power generation forecasting • Optimization mechanisms for optimum locations of PV systems • Maximization of production – minimization of power losses • Decision support tool 	<p>Factories</p> <ul style="list-style-type: none"> • Optimization of processes • Maximization of efficiency • Minimization of fuel and CO emissions • Decision support tool • Financial and environmental impact

ARTEMIS ENERGY PACKAGE

AI-powered Cloud Platform

- **Configuration** of field devices and equipment (production, transmission, end-point meters), flexible configuration of network structures, configuration of virtual zones.
- Remote and real-time **monitoring** of any type of sensor, meter, and equipment, including also **Renewable Energy Sources (RES)**. Consumption monitoring and prediction.
- Detection of faulty equipment (e.g., faulty meters) and incidents (e.g., outages). Localization of incidents. Early warnings and notifications (email, SMS).
- Optimization of performance (maximization of RES, optimal placement), correct use of the network, increased energy savings. Predictive maintenance. Processes optimization for industry.
- Security in facilities, field equipment, data transmission as well as cyber-security at platform and software level. Minimization of energy theft.

Smart Gateways

- Interfaces to meters & sensors (e.g., energy meters) and transmits data & measurements over any available network (4G/5G/(B5G), NB-IoT, GPRS, LoRaWAN).
- Over the air parameterization and customization of user defined measurement and transmission profiles.
- Versatile interfacing based on variety of protocols such as Wireless M-Bus.
- Edge Computing capabilities, identifying alerts at local level and adapting measurement and transmission profiles accordingly (e.g., more frequent measurements /transmissions in case of alerts – push notifications).
- Remote management capabilities (e.g., firmware updates).
- Alerts for meter / gateway tampering and violation.

CERTIFICATIONS & REGULATIONS

- CE
- RED (2014/53/EU)
- RoHS (2011/65/EU)
- IP68
- ISO 9001:2015

ABOUT WINGS

WINGS ICT Solutions is an innovative Greek company that focuses on the development of AI-Powered IoT solutions for various vertical sectors (Smart Cities, Utilities, e-Health, Food, Shipping, Logistics, etc.) through advanced Artificial Intelligence, Big Data, Cloud, Wireless Networking and Security technologies.



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