



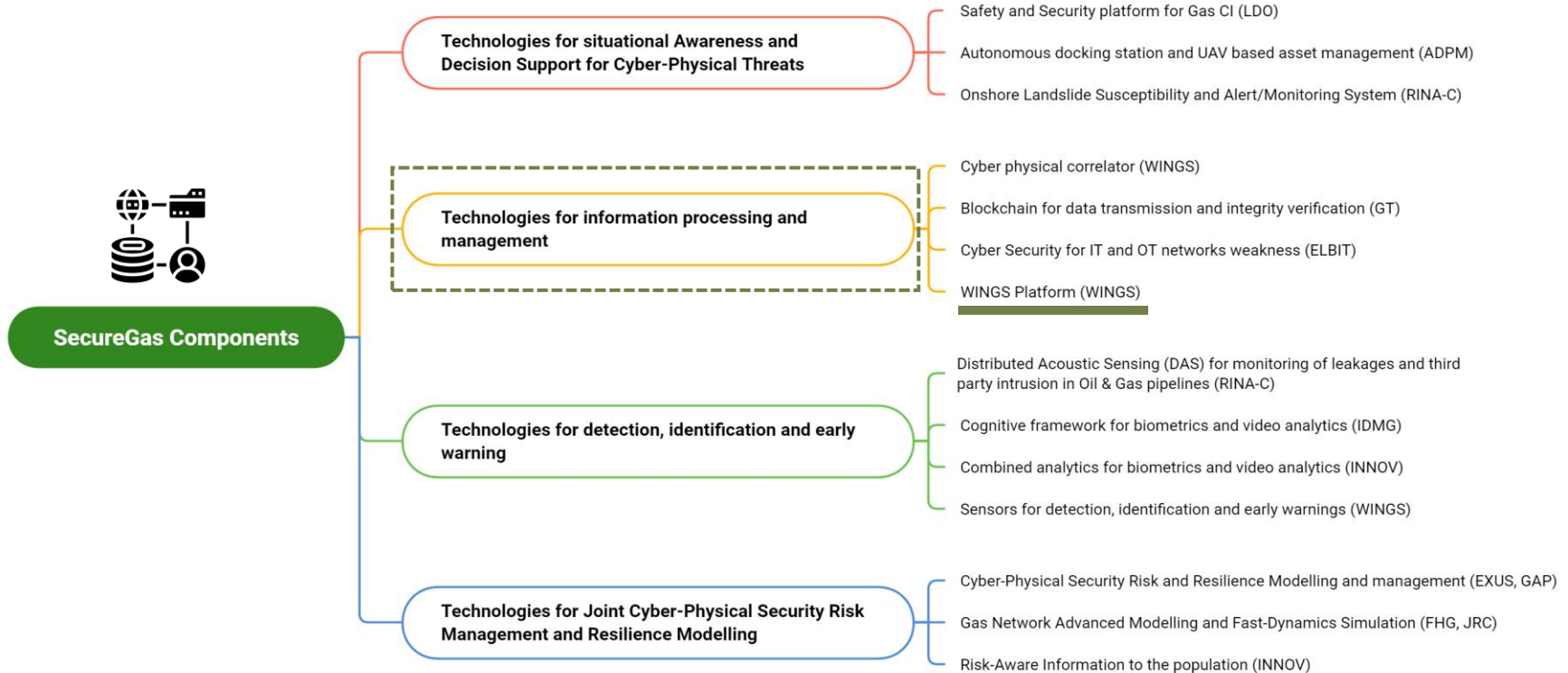
SecureGas

Securing the European Gas Network



SecureGas project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 833017

SecureGas extended components



WINGS Platform

DESCRIPTION

The WINGS platform, called ARTEMIS, has been developed for various sectors (e.g. utility, energy, water, etc.) **and to related stakeholders** (in particular, consumers), leveraging on IoT, smart wireless, big data and cloud platforms.

This solution is going to be then further adapted and optimized also for the Oil and Gas sector within the SecureGas project.

Use cases addressed are related to metering, predictions of demand and of system status, quality aspects, network optimizations.

The platform will be expanded to deliver physical security for nodes of the gas network. Heterogeneous inputs will be collected. Advanced algorithms will be developed, e.g., for correlation, reasoning, and for triggering mitigation actions.

The platform, in a more simplified manner, will rely on database for data storage, a user interface and communication features (to operators and consumers).

WINGS Platform

BENEFITS

The **MAIN INNOVATIVE ELEMENTS** are:

- (a) Digital transformation of utilities.
- (b) Important use cases, coming from the vertical needs, addressed through innovative technologies.
- (c) Enhanced physical security of gas networks, nodes and sites.



WINGS Platform

APPLICATION CASE

- Business Case 1



TARGETS

- **Target End Users:** Utility operators
- **Target Assets:** Utility, energy, water, oil & gas, starting point is pipes and installations, hosting central nodes of the network.



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