



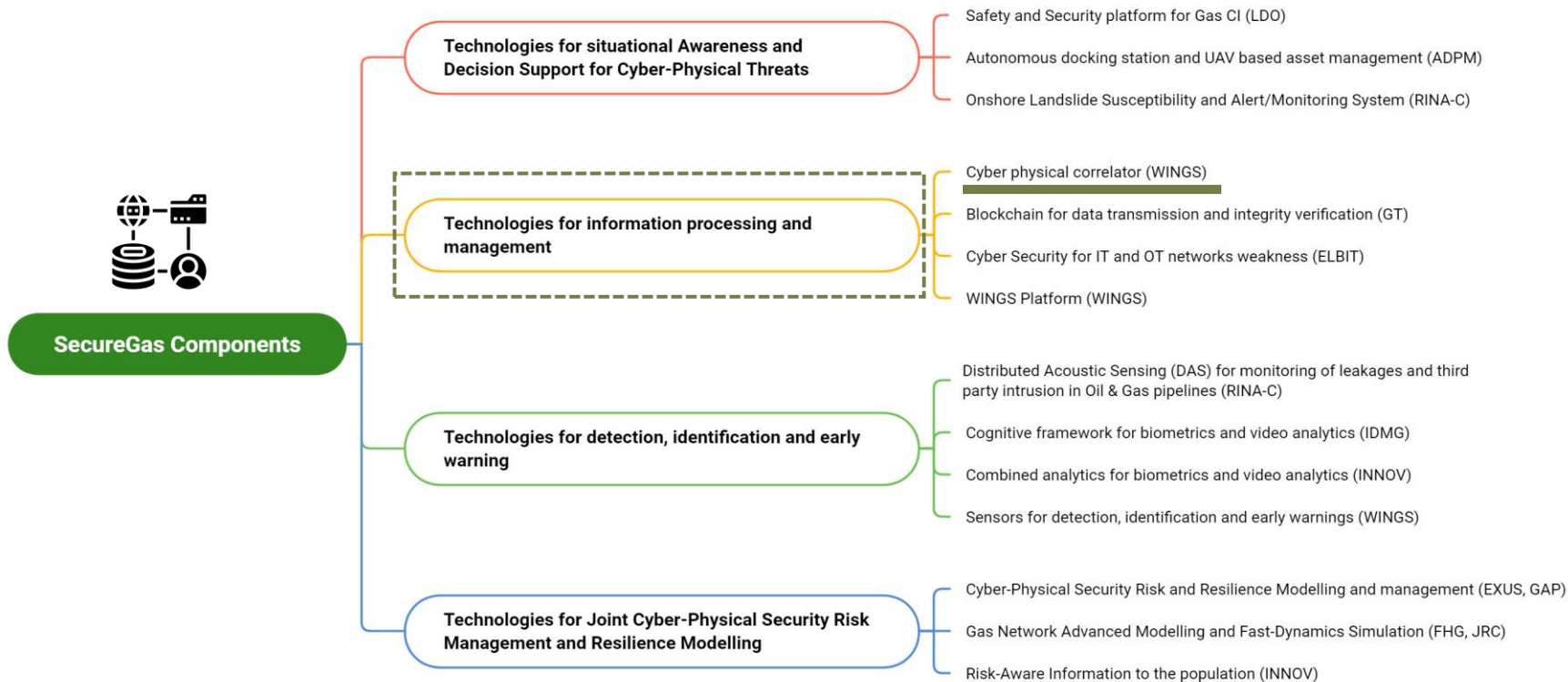
# SecureGas

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



# Cyber physical correlator

## DESCRIPTION

To mine the increasing monitoring and surveillance data as well as from observing ICT and SCADA/ICS systems, WINGS will deploy its proprietary mechanisms for detecting anomalies projected to gas grids. This will go beyond attack graphs, that have not transferred to the commercial market yet or other related approaches.

The approach will provide selected capabilities as SentinelOne, but more and operational relevant, focused on the need of gas grid cyber-security professionals to prioritize responses, with the aim of automating more of the work of detecting relevant events.

WINGS will thereby apply its big data analytics to correlate multiple sources of information into a coherent view applying the big data paradigms, e.g. to analyse net flow data to identify infected hosts participating in a botnet or by conducting security data anti-virus analysis at scale.

# Cyber physical correlator

## BENEFITS

The **MAIN INNOVATIVE ELEMENTS** are:

- (a) Real-time anomaly detection in health monitoring data of gas grids;
- (b) anomaly detection in gas grid SCADA, IT and IoT Systems data flows;
- (c) ML approach for intrusion patterns recognition (to be combined with the Safety and Security platform features and to the intrusion detection tool provided by RINA-C, and video surveillance capability provided by IDMG);
- (d) implementation of proposed ICT mitigation measures based on root cause analysis.



# Cyber physical correlator

## APPLICATION CASE

- **Business Case 1**



## TARGETS

- **Target End Users:** Security Managers of Critical Infrastructure
- **Target Assets:** Gas grid owners and operators (but also other infrastructure owners and operators)



SecureGas partner:

**WINGS ICT Solutions**

[\*askalidi@wings-ict-solutions.eu\*](mailto:askalidi@wings-ict-solutions.eu) | [\*pdemest@wings-ict-solutions.eu\*](mailto:pdemest@wings-ict-solutions.eu)

[www.securegas-project.eu](http://www.securegas-project.eu)



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