



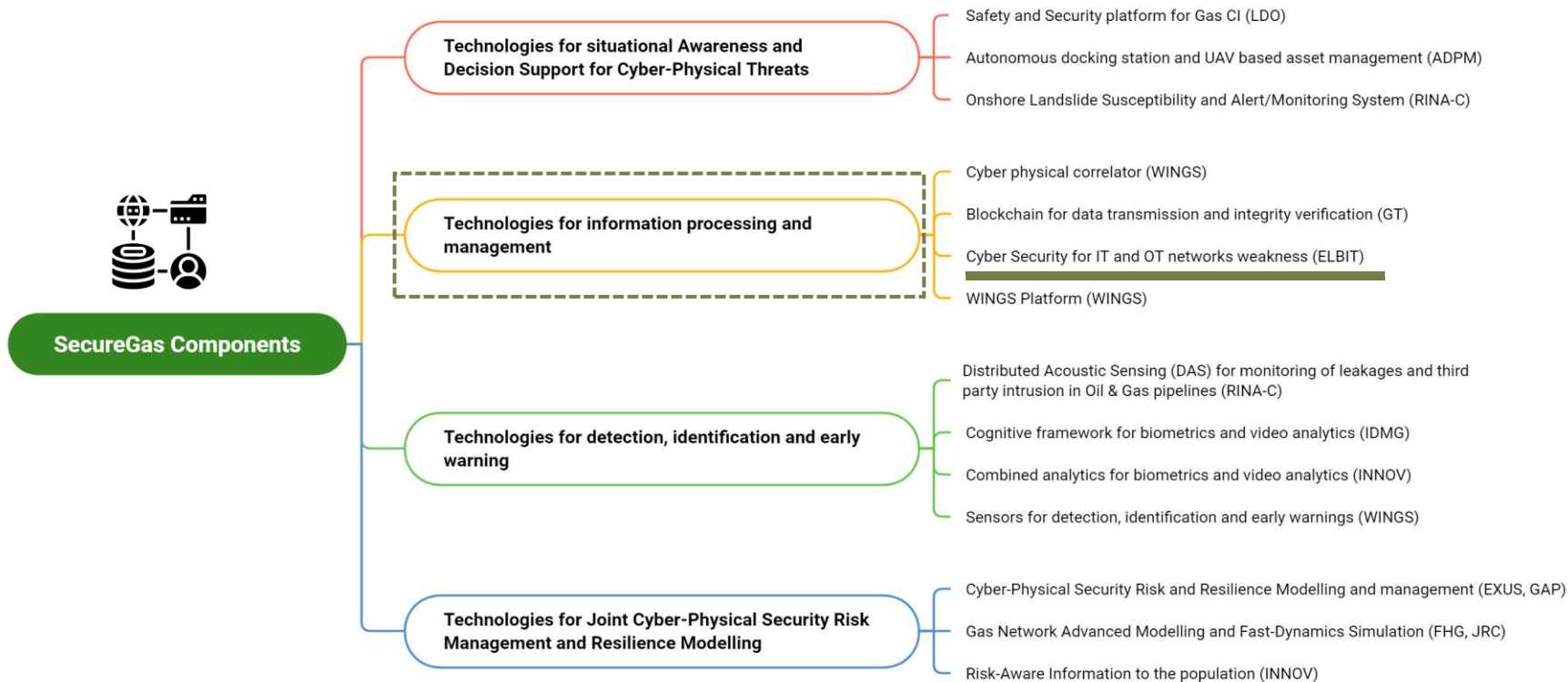
SecureGas

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 Security for IT and OT networks weakness

DESCRIPTION

The component is a SCADA monitoring solution, providing asset mapping & real time SCADA protocols monitoring.

The solution detects irregularities and misbehaviours (e.g. behaviours different from those of the protocols) in the monitored protocols and sends out alerts to the user.

As a first step the product monitors the SCADA platform providing to the operator a complete SCADA network mapping. Then thanks to a learning process (by mean of BBX) the analysis routine activities of existing SCADA protocols in use (mainly communication protocols of the different controlling devices) is performed.

In this way, any anomalies in the system is detected and alerts can be sent to both system interface (where all details are available) or to the client's interface.

Cyber Security for IT and OT networks weakness

BENEFITS



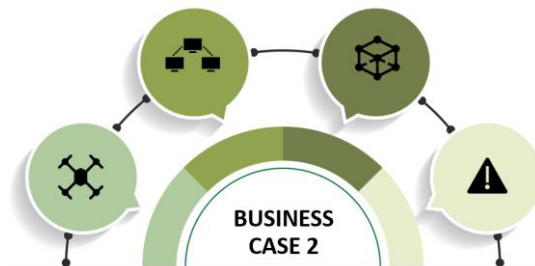
The **MAIN INNOVATIVE ELEMENTS** are:

- (a) **SCADA network visibility** > The end user receives clear visibility of its SCADA network, including all connected devices / assets and their communication protocols.
- (b) **Cyber security** > Unsecured devices utilising SCADA protocols receive an additional layer of security where the solution monitors the devices communication and alerts when suspicious behaviour / event is detected.
- (c) **System and user's interfaces** > Possibility to rely on the system interface to have more details on the anomalies detected

Cyber Security for IT and OT networks weakness

APPLICATION CASE

- Business Case 2



TARGETS

- **Target End Users:** Target End Users depend on the size of the O&G Company: Oil & Gas industry CEOs, CISO (Chief Information Security Officers), COO (Chief Operating Officer). Generally, target end users are CISO.
- **Target Assets:** All industries utilising SCADA protocols [Oil and Gas industry organizations (e.g. Oil & Gas: Offshore Plants, O&G Storage and Terminals, LNG Terminals and Plants, Onshore Pipeline and Transportation Systems, O&G Production & Processing Plants, Refinery)]



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