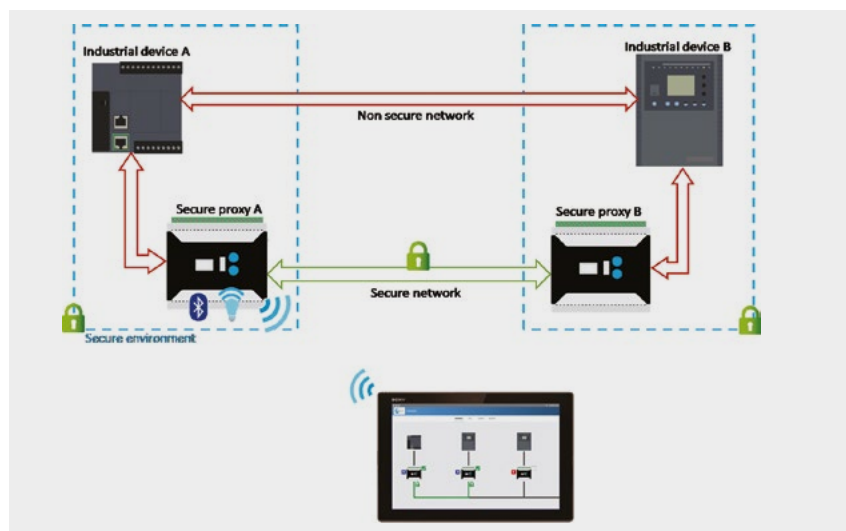


+ WHAT'S NEW?

ARGOS is a 3-in-1 solution that includes:

- **A secure proxy for:**
 - Securing existing industrial networks initially based on insecure communication protocols
 - Securing the system right from its design
 - Limiting attacks through denial of service
 - Detecting attacks in real time.
- **A supervision solution**, with end-to-end secure communication protocol, that simplifies deployment of a configuration in an IIOT network via a mobile phone.
- **"Hardware in the loop" architecture** integrating simulation of industrial processes and specific attacks.



+ WHAT'S NEXT?

CEA-Leti teams are continuing their research work to:

- Improve ARGOS security integrating state-of-the-art countermeasures to ensure in-depth defense
- Secure deployment and management of keys throughout the system life cycle via a supervision interface and integration of post-quantic cryptography schemes for the communication protocol.

PUBLICATIONS

- An Open-Source Hardware-In-The-Loop Virtualization System for Cybersecurity Studies of SCADA Systems", Stéphane Mocanu, Maxime Puys, Pierre-Henri Thevenon, C&ESAR 2019.
- L'internet des objets industriels, une révolution à sécuriser, Maxime Puys, Pierre-Henri Thevenon, Industrie & Technologies, dec. 2019.



INTERESTED IN THIS TECHNOLOGY?

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