Secure Lifecycle Management and Network Intrusion detection for Industrial IoT

A scalable, manufacturer independent Secure Lifecycle Management Platform with Network Intrusion detection to protect and manage Industrial IoT assets from the cloud to the edge.

The SCOUT project is focused on secure lifecycle management of IoT devices, it has been designed with a focus on security in its foundations and should be identified as a component for inclusion within a large scale Industrial IoT platform, complementing functionalities of other vendors.

SCOUT provides a secure end-to-end communication, where the sensor data is be channelled to a customer’s IoT application that also resides in the cloud, at no point is the data stored or processed. In addition, a cloud service API is provided allowing the customer to get an overview and manage the lifecycle of the IoT devices within the customer IoT deployment, allowing secure, over the air firmware application updates not only for the communication modules but also any attached microcontrollers.
Competitive Advantages
- Secure by design
- Over-the-air (OTA) firmware updates
- Device, Network and Vertical agnostic IoT Lifecycle Management Platform
- Supports resource-constrained devices
- Retrofit existing IoT investments
- REST API for 3rd party integration

Target Markets
- Vertical agnostic, but entry market segments include Manufacturing and Transportation Industries
- Addressing EU & Global markets

Status/Traction
Two Customer Pilots
- Italy
  - Comau, Manufacturing
- Sweden
  - GreatSway Enterprises, Transportation

Road Map
2019
- Pre-Study and Research
2020
- Launch MVP
2021
- Grow
2022
- Scale

Leveraged Technologies
SCOUT has a number of technology stacks built exclusively for IoT device lifecycle management; that can be adapted to meet the requirements of the target industry.
- Cloud Architecture
- Lifecycle Management at the Edge
- Industry Standard Crypto-Algorithms
- Machine Learning

Contact
Mr. Aaron Ardiri
Venture Lead
e: aaron.ardiri@riotsecure.se
t: +46 70 656 1143
INGWAZ AB | c/o Bjorn de Louge
Mjölnarvägen 32 | 13174 | Nacka | Sweden

riotsecure.se/projects/EIT-SCOUT/

SCOUT is an innovation activity proudly supported by EIT Digital.
EIT Digital supports entrepreneurial teams from research and business organisations in launching new startups and new products in agile 12-month projects called innovation activities. These activities are embedded in EIT Digital’s European ecosystem and receive a financial co-investment to package their technology, sign up customers and attract investors.