

Horizon 2020 SME Final Report - Publishable Summary

SIGA OT Solutions provides Operational Technology monitoring and anomaly detection for ICS (Industrial Control Systems) and SCADA (Supervisory Control and Data Acquisition) in industrial and critical infrastructure applications. SIGA's SigaPlatform is a comprehensive process anomaly detection system that monitors critical assets using electrical signal-based predictive analysis and artificial intelligence. It cannot be hacked or manipulated from the operational network and it can be used for operational needs as well as for cyber-security.

SIGA is designed for organizations that rely on their OT hardware to maintain operations: Water treatment, oil & gas, industrial production plants and building management systems.

Objectives of This Feasibility Study:

Task 1.1: Market Analysis

To improve our past market analysis and develop go-to-market and pricing strategy by surveying 25 target customers in various industry segments and by this survey select 2 trial partners for phase 2.

Task 1.2: Technical Analysis

To re-evaluate regulatory requirements related to ICS-SCADA and critical infrastructure protection in order to make sure that we can support our customers to comply with existing and future regulations.

Task 1.3: Intellectual Property Rights Analysis

To re-validate our IPR strategy and prepare for the Patent Cooperation Treaty extension of our first US patent. We updated our freedom to operate analysis.

We validated the commercial viability of our new strategy and innovative solution through market study, customers' survey, technical assessment of the product, IPR update, etc. We refined our business plan, so the product is no longer a solely cyber-security product but a multiple monitoring and analysis system with various capabilities. This change includes re-branding and technological concept development of various applications: cyber-security, predictive maintenance, optimization, big data etc.

SigaPlatform will ensure continued operational optimization. The new business model will enable lower pricing of the system's installation and the customization of the system per each customer's needs. The work made in Phase 1 had helped us validating the commercial viability of the whole project and modify our business plan, and it's crucial in order to continue to Phase 2. Our Phase 2 goals are: (1) design and implement new user interface for our system, (2) develop and market new applications for SigaPlatform and (3) perform 2 trials with partners selected in phase 1.