

Overview of Development of a Digital Platform for Building Critical Infrastructure Protection Systems in Smart Industries

Authors : Bruno Vilić Belina, Ivan Župan

Abstract : Smart industry concepts and digital transformation are very popular in many industries. They develop their own digital platforms, which have an important role in innovations and transactions. The main idea of smart industry digital platforms is central data collection, industrial data integration, and data usage for smart applications and services. This paper presents the development of a digital platform for building critical infrastructure protection systems in smart industries. Different service contraction modalities in service level agreements (SLAs), customer relationship management (CRM) relations, trends, and changes in business architectures (especially process business architecture) for the purpose of developing infrastructural production and distribution networks, information infrastructure meta-models and generic processes by critical infrastructure owner demanded by critical infrastructure law, satisfying cybersecurity requirements and taking into account hybrid threats are researched.

Keywords : cybersecurity, critical infrastructure, smart industries, digital platform

Conference Title : ICCSICS 2022 : International Conference on Cyber Security of Industrial Control Systems

Conference Location : Paris, France

Conference Dates : October 27-28, 2022