

Security enhancement of Smart City and IoT with the Cybersecurity Act

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Abstract: The smart city initiatives are based on Internet of Things (IoT) solutions, massive data collection and processing, and a high level of automation. These technologies have inherent risks also.

The European Union realized the issues arising from those technologies and based on the previous legislation of information security and ENISA, a new security ecosystem is being formed. The Cybersecurity Act (Regulation (EU) 2019/881) establishes the frames of cybersecurity certifications. Different certification schemes are now being developed from secure products to industrial automation.

The presentation analyzes the applicability of current regulations and the further effects of possible schemes in the direction of securing IoT and smart city operations in Europe.

The presentation will include a case study about the possible application.