Supported by eit Manufacturing eit RawMaterials Connecting matters
Funded by the European Union

Contribution ID: **11** Type: **not specified**

Introduction to Industrial Cybersecurity

Friday, 3 May 2024 10:00 (1h 30m)

Syllabus outline:
1. Relevance of industrial cybersecurity
2. Distinctive features of industrial control systems
3. Threats, vulnerabilities and impact
4. Known incidents
5. Security measures in industrial control systems

Objective competences:
1. Awareness of cybersecurity risks in industrial control systems and critical infrastructures
2. Overview of the features of industrial control systems in contrast to traditional information systems
3. Overview of threats, vulnerabilities and countermeasures in industrial control systems

Intended learning outcomes:
1. Understand the relevance of cybersecurity in industrial control systems and critical infrastructures
2. Understand the main threats and vulnerabilities in industrial control systems in contrast to traditional information systems
3. Acquire a high-level view of procedures and measures available to mitigate cybersecurity risks.

Literature
K. Stouffer, S. Lightman, V. Pillitteri, M. Abrams & A. Hahn. NIST Special Publication 800-82 Rev. 2. Guide to Industrial Control Systems (ICS) Security https://doi.org/10.6028/NIST.SP.800-82r2

Presenter: Mr PRADA MEDRANO, Miguel Ángel