

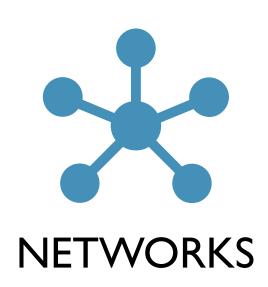
CERIS BRUSSELS EVENT

FRÉDÉRIC GUYOMARD – EDF CYBERSECURITY PROJECT MANAGER

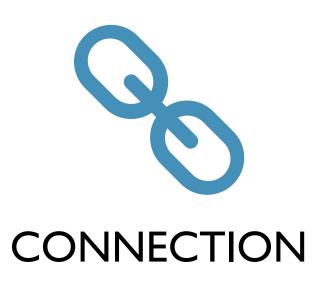
CERIS EVENT : INNOVATING SMART CITIES RESILIENCE THROLIGH RESEARCH AND REST PRACTICES

2024 APRIL I I

Innovating Smart Cities Resilience through Research and Best Practices





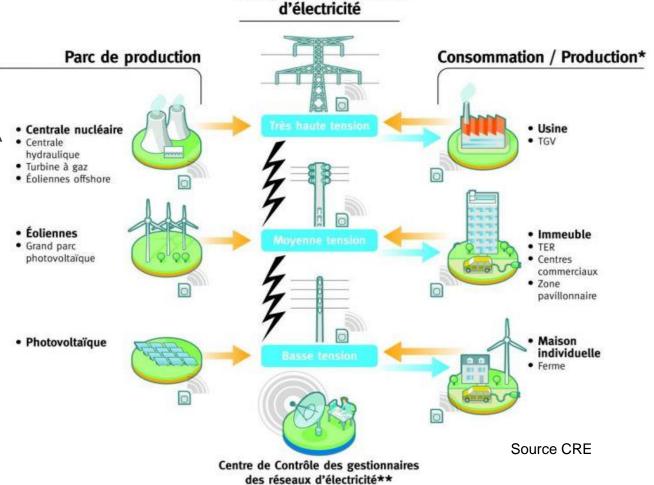


SMART-CITIES RESILIENCE ... AND PROTECTION

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ELECTRICAL SYSTEM AREA

- Protection of assets means protection of DATA
- During Storage, Transport, Process
- Cybersecurity has become a pilar
- Physical security and Site Protection as a basic
- The Threat is growing (i.e. Ukraine conflict)
- The Threat could be everywhere
- Risk Assessment always
- Human Factors



Transport et distribution



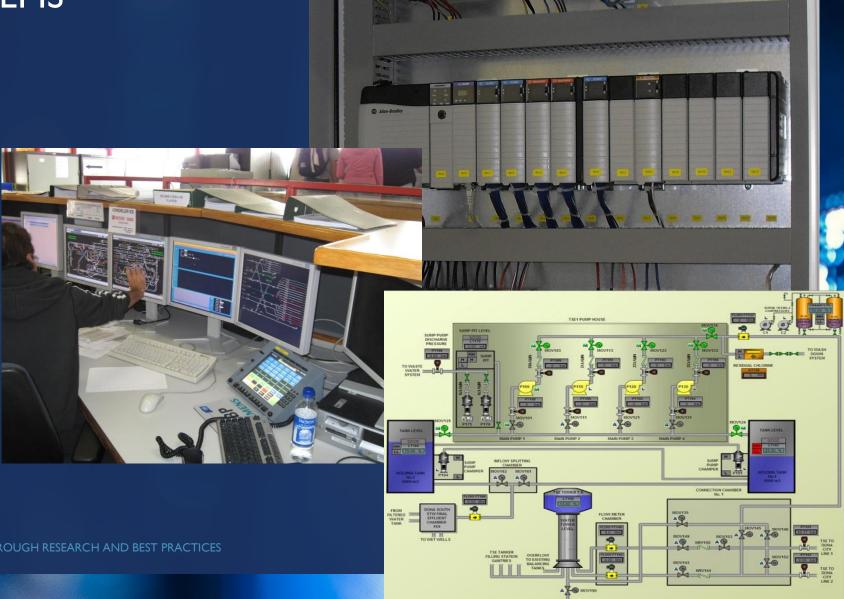






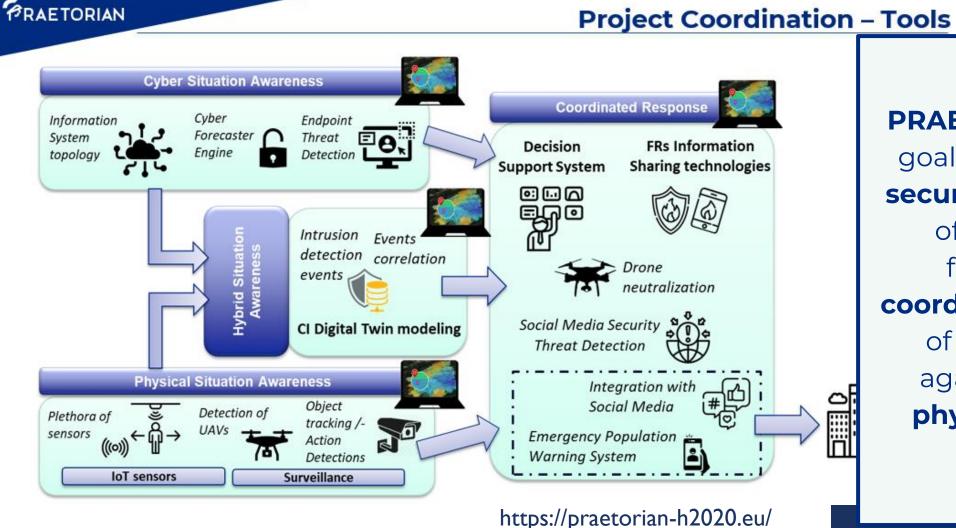
MONITORING SYTEMS

- Management Systems
 - IACS
 - SCADA
 - ICS
 - DCS
 - BPCS
- Cyber Monitoring
 - SOC
 - C-SIRT



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praction protection of interrelated Cl against combined physical and cyber threats.

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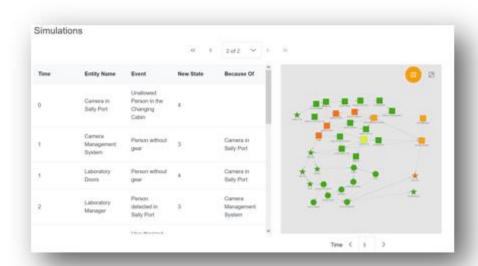


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Cascading Effects - TPE Simulation

Threat Propagation Engine (TPE) describes direct and indirect consequences over time



Possible cascading effects on the airport due to the attack on the laboratory



After attack simulation

One simulation run

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This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement No 101021274

EUROPEAN DIRECTIVES



https://www.consilium.europa.eu/fr/press/pressreleases/2022/12/08/eu-resilience-council-adopts-adirective-to-strengthen-the-resilience-of-criticalentities/

https://digital-strategy.ec.europa.eu/en/policies/nis2-directive







- ✓ Better preparing
- / Better responding
- Enhancing international cooperation

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THANK YOU

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