



Prevention, protection and
REaction to CYber attacks
to critical infrastrucreEs

PRECYSE

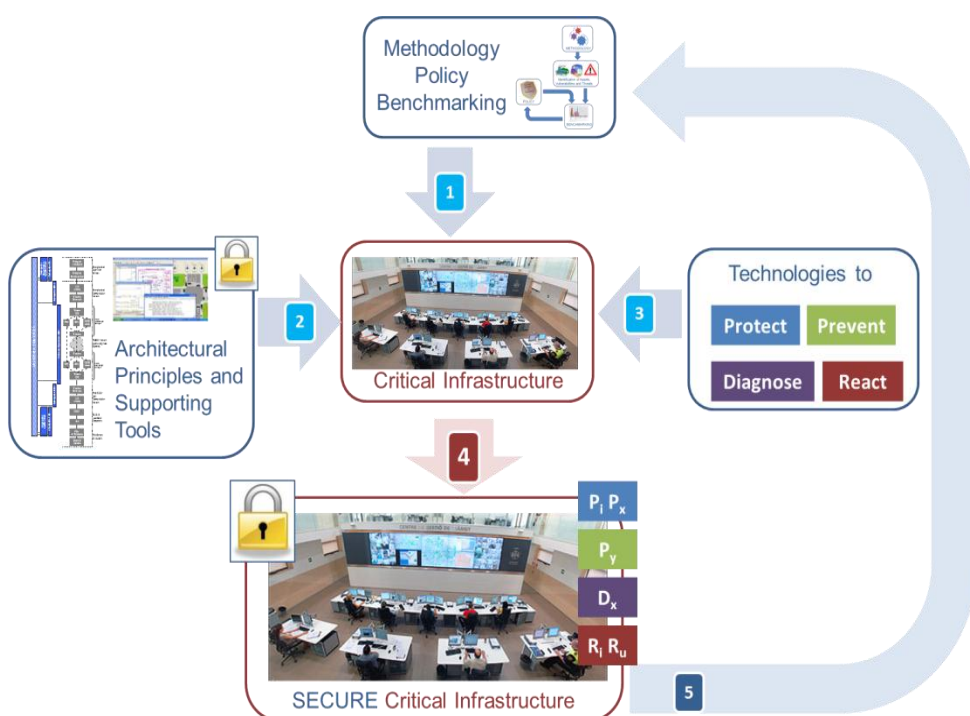
A FRAMEWORK FOR THE CYBER PROTECTION OF CI

The goal of PRECYSE project can be mapped into a set of **specific Scientific and Technical Objectives**:

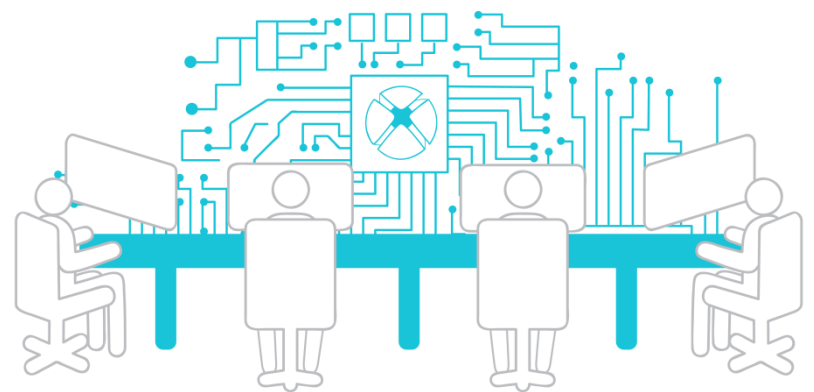
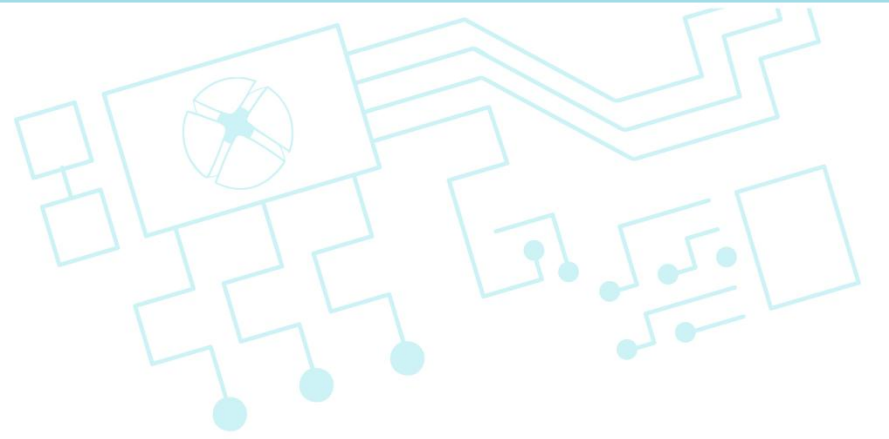
- To specify a **methodology** in order to **identify the assets, associated threats and vulnerabilities** to thus improve the level of security for CI.
- To specify and develop a **security architecture** that **improves resilience**.
- Develop a set of tools and technologies for the **protection** of CI and the **prevention** of cyber attacks against them.
- Develop a set of tools and technologies for the **early warning of attacks** to CI and the issuing of countermeasures.
- **Investigation** of the ethical and privacy issues as well as the **legal and policy implications** associated.

For validation purposes, a subset of configurations will be considered, belonging to realistic CI platforms deployed in: **Traffic Control Centre in Valencia (Spain)** and **The Energy Management Control of the region of Linz (Austria)**.

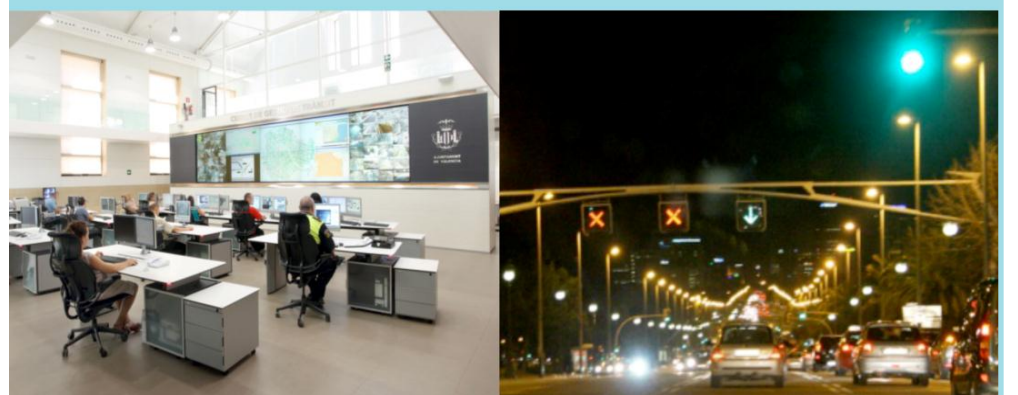
PRECYSE proposes a holistic **process** based on **five key elements/steps** shown in the figure above:



PRECYSE tackles the challenges currently faced by CI through an approach which combines **rigor, technical effectiveness, flexibility and cost-effectiveness**.



The strategic goal of PRECYSE is to define, develop and validate a methodology, an architecture and a set of technologies and tools to improve – by design- the security, reliability, and resilience of the Information and Communication Technologies (ICT) systems supporting Critical Infrastructures (CI).



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PRECYSE Website
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