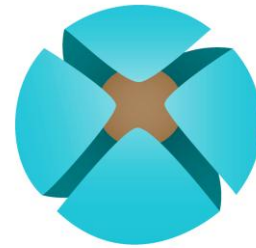


➤ OBJECTIVES

- To develop a **methodology** to identify **assets, threats** and **vulnerabilities**.
- To propose a **security architecture** which **improves resilience**.
- To implement **tools** and **technologies** for **protection, prevention, early warning** and **countermeasures**.
- To validate and **asses** the **methodology** and **technologies** in realistic conditions (Energy and Transport areas).
- To investigate **ethical, privacy, legal** and **policy** issues implications relevant to the developments.



PRECYSE

The PRECYSE team is composed of a variety of experts in the fields of Critical Infrastructures and Cyber Security Attacks. It consists of industrial partners, research centres and universities, and authority representatives.



ETRA
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AJUNTAMENT DE VALÈNCIA



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Prevention, protection and
REACTION to **CYber** attacks
to critical infrastructures

PRECYSE



EUROPEAN COMMISSION



SEVENTH FRAMEWORK
PROGRAMME

APPROACH

1. A **specific methodology** will be applied to the CI being assessed in order to systematically identify its assets, vulnerabilities and the associated threats.
2. A **meta-architecture tool** will be used to analyze and model the existing CI. In order to apply a number of **architectural principles**.
3. A number of **specialized tools** delivered by PRECYSE are integrated into the existing CI by incorporating specific features related to the **protection, prevention, diagnosis and reaction** to cyber attacks.
4. The previous three steps will have led to **new, more secure version** of the original CI.
5. Finally, the CI manager will be able to go back to step 1 and decide upon the next security improvement. This **iterative improvement process** can continue until a sufficient level of **security** has been achieved.



TRANSPORT DEMONSTRATOR

The demonstrator will be deployed at the **Traffic Control Centre** in Valencia (Spain), with a metropolitan area with more than **1.500.000 inhabitants** and an average of more than **500.000 vehicles** running every day.



ENERGY DEMONSTRATOR

The energy demonstrator will be deployed in the **Energy Management Control Centre** of the region of Linz (Austria). It provides power supply and related services for **400.000 inhabitants** in an area of 2.000 km².



PRECYSE USERS GROUP

In order to ensure the transferability and impact of the project, the consortium has set up a wide group of companies, institutions and authorities which are considered as high-profile users of PRECYSE.

Join us at www.precyse.eu

