



ENCS

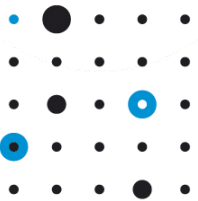
European Network for Cyber Security

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Partnering for Cyber Resilience

We create and bring together knowledge and resources to secure European critical infrastructures



ENCS

A photograph of a control room with a person standing in a doorway. The room is filled with various control panels and equipment. The person is seen from behind, looking out of the doorway. The overall scene is dimly lit, with the doorway providing a bright focal point.

ENCS

- ENCS established in July 2012
- Founded by Alliander (DSO), KPN (Telco), DNV | KEMA, and strategic partners TNO and Radboud University
- ENCS test bed being built, TNO and DNV| KEMA labs available
- ENCS is open for association of new members



ENCS cooperative association

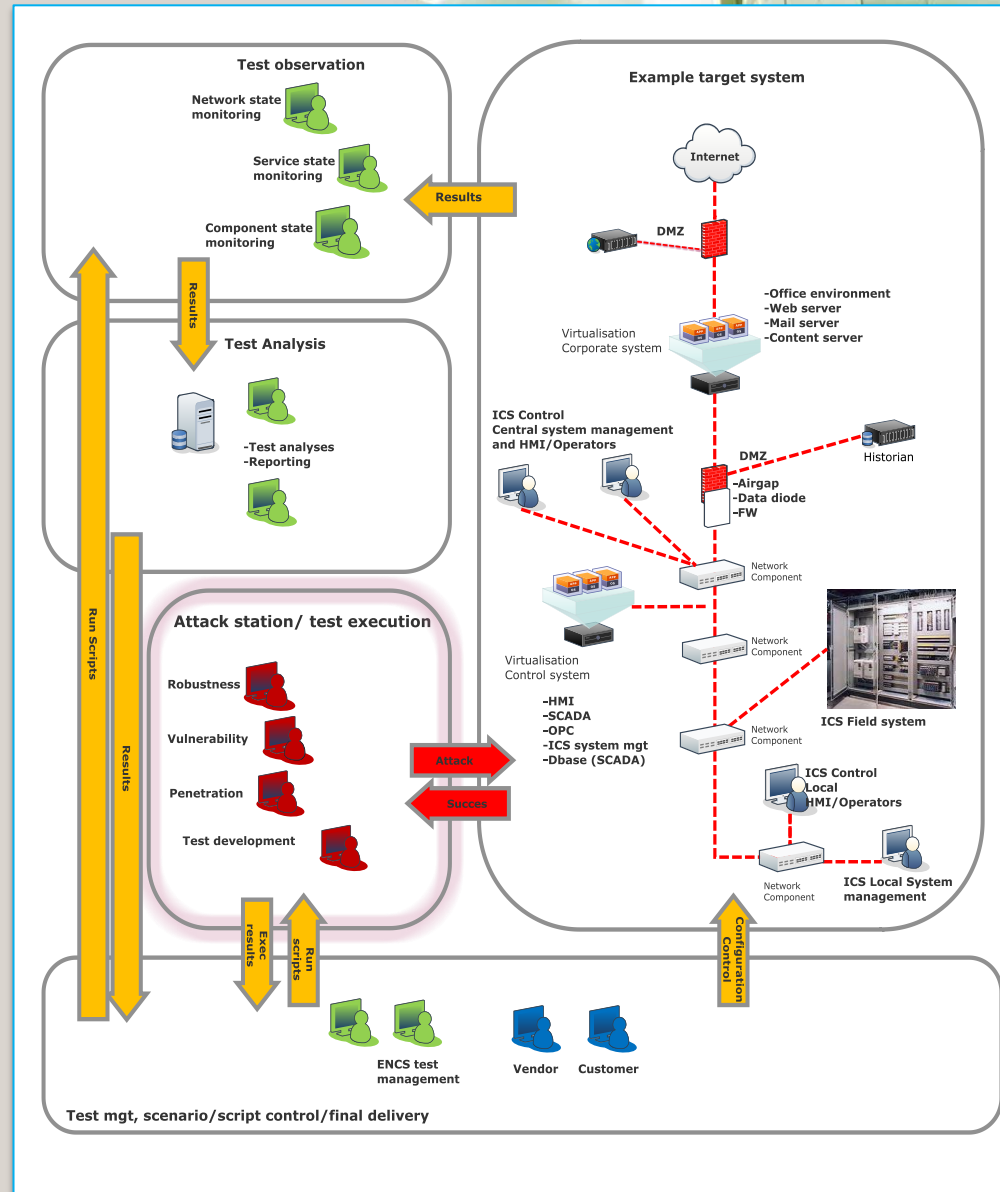
- Private organization with public partnerships
- Independent not for profit
- Cooperative association driven by member benefits
- Members include asset owners and operators, manufacturers and suppliers, academia and public organizations
- ENCS provides the network, knowledge and resources
- ENCS creates practical solutions to solve cyber issues of critical infrastructure owners

Services portfolio ENCS

Research	<ul style="list-style-type: none">▪ Applied research, demand driven, tailored to DSO's
I & K sharing	<ul style="list-style-type: none">▪ Information sharing platform▪ Participation in experts-, standardization groups
Testing	<ul style="list-style-type: none">▪ Integral security testing▪ Conformity testing▪ Vulnerability assessments/scans▪ Penetration testing▪ Security code reviews
Training & Education	<ul style="list-style-type: none">▪ E-learning web-based cyber security training▪ Red/Blue team training▪ C-level awareness training
Assessments	<ul style="list-style-type: none">▪ Overall Security assessments▪ Security assessment (technical)▪ Threat/risk assessment
Requirements	<ul style="list-style-type: none">▪ Develop- , set-up-, assessment security requirements
Situational awareness	<ul style="list-style-type: none">▪ Network scanning and visualization▪ Data traffic monitoring service

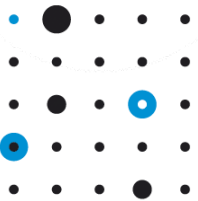
First release (R1) Cyber testlab ENCS

- ICS, Smartmeters
- Framework for development, research and execution of :
 - Cyber robustness testing
 - Vulnerability methods
 - Penetration testing
- Relationship with IT/ICS test service vendors
- Capability complement to TNO and DNV | KEMA via Topsectoren project
- Partnership with ICS and Smartmeter vendors
- Q2 start deliver first test services



ENCS Membership

ENCS members recognize today's global hyper-connected environment and play an important role in contributing to a safer and more resilient digital infrastructure



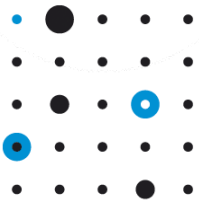
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Thanks for your attention

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