

The SPARKS Project Motivation, Objectives and Results

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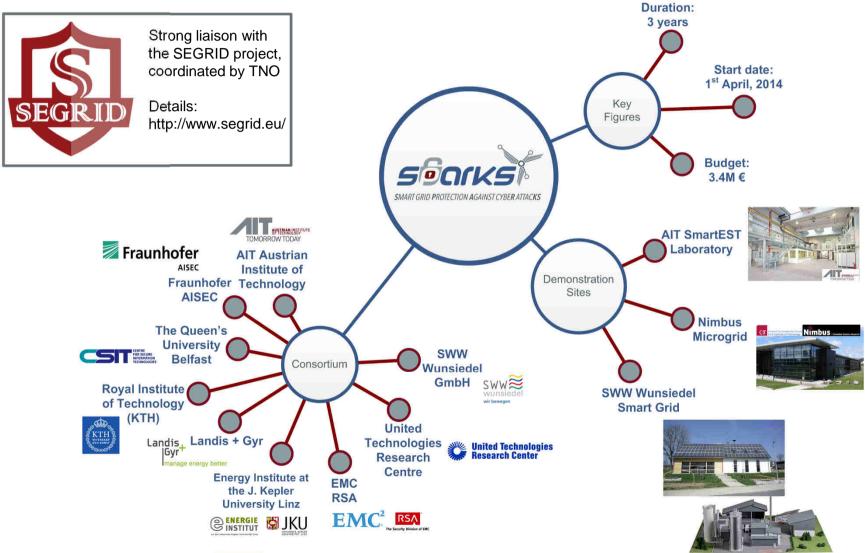
The SUCCESS Project Open Innovation Event 22nd September, 2016, Terni, Italy





The SPARKS Project

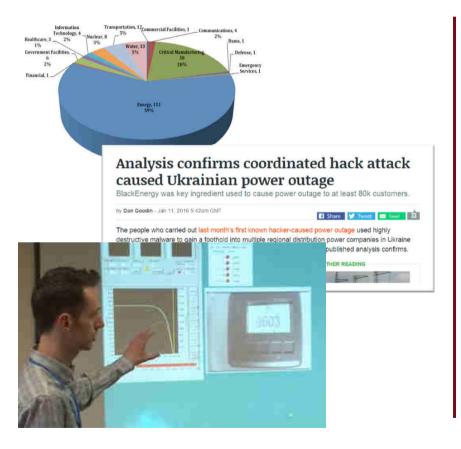




Motivation: New Cybersecurity Concerns for Energy Utilities



Operational Risks



Compliance Risks



- Where a type of processing, in particular, using new technologies, and taking into account the nature, scope, context and purposes of the processing is likely to result in a high risk to the rights and freedoms of natural persons, Member States shall provide for the controller to carry out, prior to the processing, an assessment of the impact of the envisaged processing operations on the protection of personal data.
- 2. The assessment referred to in paragraph 1 shall contain at least a general description of the envisaged processing operations, an assessment of the risks to the rights and freedoms of data subjects, the measures envisaged to address those risks, safeguards, security measures and mechanisms to ensure the protection of personal data and to demonstrate compliance with this Directive, taking into account the rights and legitimate interests of the data subjects and other persons concerned.

Security and Privacy Analysis Methods and Tools



New box & content

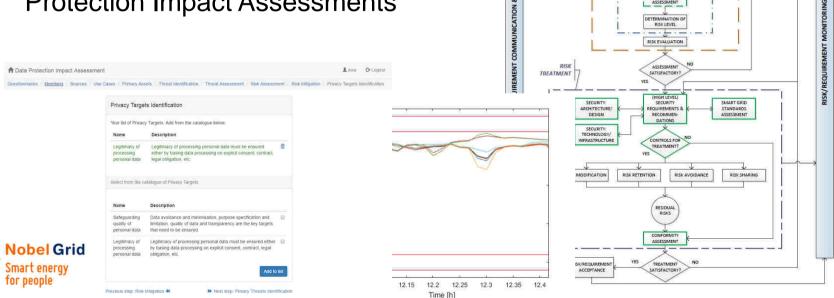
SPECIFICATION

ASSETS

ASSESSMENT

IDENTIFICATION

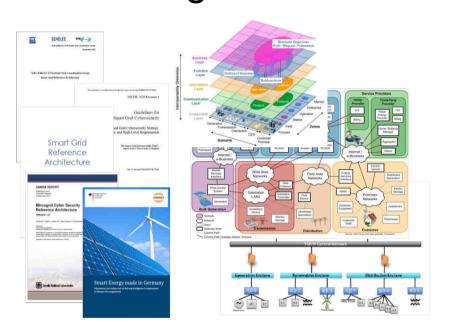
- Risk management framework targeted at smart grid stakeholders
- Tools to automate the threat and consequence identification processes
- Web-based tool to support Data Protection Impact Assessments



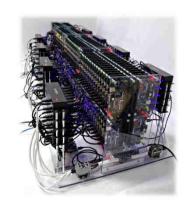


Security Architectures and Technologies



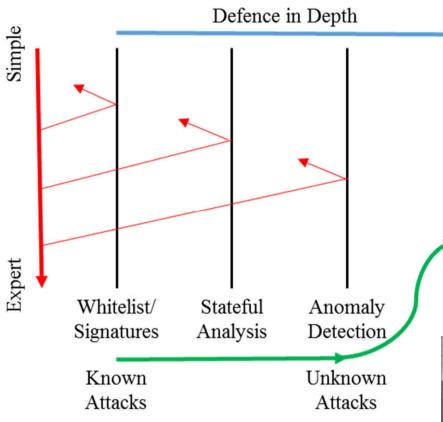


- Consolidation an analysis of existing standards, architectural guidelines and best practices
- Guidance on the application of material to operators
- Recommendations regarding future topics that should be addressed
- Exploration of the use of PUF technology to secure smart meters and gateways
- Unique testbed to evaluate PUF designs and their robustness to side channel attacks, etc.



Security Analytics and Resilient Control





- Multi-attribute SCADA intrusion detection system
- Security analytics platform

Resilient Control

 Resilient adaptation of ICT and power infrastructure behaviour







- Workshop on Security Requirements for Smart Grids: Economic, legal and societal aspects
 - Discuss the NIS Directive and GDPR in relation to smart grids
 - 19th October in the European Parliament, Brussels
 - Attendees from the European Parliament,
 Commission, ENISA, ACER, ...
- European Utility Week
 - SEGRID workshop on Monday 14th November (http://www.segrid.eu/)
 - HyRiM workshop and Hub Session on Tuesday 15th November (<u>https://hyrim.net</u>)







Questions





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https://project-sparks.eu

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