



Cybersecurity is about balancing technical infrastructure and assets risks with business needs and protecting data from information disclosure.

The need to better understand the impact of choices and solutions with regards to digital risks has become more and more important. Addressing cybersecurity risks in energy islands is about balancing technical infrastructure and assets risks with business needs and protecting data from information disclosure and intentional harm.

**Introducing new functionality**, like the E-LAND toolbox to existing systems may introduce new vulnerabilities or weaknesses. Therefore risk assessment is performed to eliminate or reduce these risks. How have cyber risks been assessed in E-LAND?

First, an asset identification is performed: the information and assets are listed and analyzed for their confidentiality, integrity and accessibility.

**Risk evaluation** identifies the assets that are the most critical and provides priority for which cyber risks should be addressed first. In the E-Land project we started addressing cyber risks as early as in the conceptual stage by systematically evaluation high-level use cases.

The results of the analysis is a list of **mitigations** that propose solutions to reduce the risk and make the solution safer and reliable.

Communicating these aspects **early** is enabling all partners to have a focus on cyber risks throughout the E-LAND delivery product.



### How to be sure that cyber risks are addressed in the E-LAND solution?

Addressing cybersecurity from the very beginning of a project is important to ensure that security be at the center of considerations. By addressing cyber risks from the design phase of the project, high-level requirements can be identified early and be used to involve all partners to ensure that cyber security is given a high priority throughout the project.

More information on our websites: <https://elandh2020.eu> and <https://ife.no/prosjekt/e-land-horizon-2020-2/>



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