



ESYSCO successfully implemented Nexus Smart ID PKI at Energa Operator S.A. for highest IT infrastructure protection

Case Study

Energa Operator S.A., a leading distributor of electricity and part of Orlen Group, one of the largest oil refiner, petrol retailer and energy companies in Poland, selected Nexus Smart ID PKI Suite to provide a proven security solution which protects their workplace devices and secure Energa's Advanced Metering Infrastructure for their SmartGrid deployment.

After extensive market scanning, Energa Operator S.A. chose ESYSCO, a long-term Nexus technology partner, to implement the complete PKI solution.

Esysco is a leading and experienced system integrator of Nexus Smart ID Corporate PKI solution in Poland. Our role in the project included complete solution design, preparation of full project documentation and implementation of all components into existing IT structures. Subsequently, we run testing and conducted trainings for users and administrators. Prepared in this way Energa's IT infrastructure is ready for further development.

Measures for establishing trust and encryption were needed in order to strengthen internal security in the company. Implementing the Smart ID Corporate PKI enabled Energa Operator S.A. to provide their employees an option to access to email signing and encryption (with smart cards and soft tokens), disk encryption, windows login and much more.

Nexus' platform was chosen due to criteria such as flexibility, scalability and stability. Smart ID Corporate PKI ensures organizations have technology which enables strong authentication, data confidentiality, integrity and digital signatures. Nexus was able to provide a reliable foundation for certificate-based identities.

Alongside protection for employees, the Energa team will utilize the Nexus PKI to protect their corporate desktop system. This will allow the management of trusted identities for mobile devices, mobile applications, printers, networks and more.

Energa needed a multi-faceted solution which could not only support their internal IT needs, but also secure their SmartGrid project. Energa required the integration of various SmartMeter manufacturers, PKI CA and Sub-CA segmentation for separated environments, the ability to setup test scenarios for different SmartMeter providers and different certificate issuance procedures for both, automatic and manual issuance for routers, data concentrators and direct load controller devices.

Selecting the Smart ID IoT PKI ensures Energa end-to-end security and the ability to issue certificate-based, cryptographically secure and unforgeable identities.

Smart ID Corporate PKI ensures organizations have technology which enables strong authentication, data confidentiality, integrity and digital signatures.

Nexus Smart ID is a proven solution for organizations needing to support their workforce, workplace devices, as well as IoT applications using one platform. The full Nexus solution can successfully be implemented in companies and organizations by Nexus' long-term technology partner ESYSCO.