

Mr Petros Theodorakis



Short Curriculum Vitae (C.V.)

Mr Petros Theodorakis is Information & Communications Technology Director in DESFA, the Hellenic Natural Gas Transmission System Operator, since 2007. He held the same position since 2001 in mother company DEPA (Public Gas Corporation of Greece), which he joined in 1996.

An ICT expert and executive with 28 years of experience in businesses like gas transmission, process, telecom, military and embedded systems development. He played a critical role in the envisioning and creation of the vast ICT infrastructure of DESFA, which includes a fiber optic telecom network along gas pipeline, a SCADA system, an intranet computer network connecting all DESFA offices in Greece, an ERP system (SAP) and over forty of transactional and decision-support IT systems.

Member of the executive team for the legal unbundling of DEPA.

- “Greek ICT Manager of the Year 2005”. Frequent speaker / author in ICT conferences / magazines.
- Dipl. Electrical Engineer, 1985, MBA (cum laude), 2007.
- Born in Athens in 1962. Married with two children. Speaks Greek, English and German.
- Previous assignments : head of electrical maintenance in Athens sewage plant, head of software development for SCADA systems and complex industrial automation, senior developer of military and commercial communications devices and applications professor.

Cyber Security Case Study – Protecting a Natural Gas Transmission System Operator

Hellenic Gas Transmission System Operator (DESFA) has a vast information and communications technology (ICT) infrastructure, which includes a private fibre optic telecom network along the high-pressure gas pipeline, a SCADA system, an intranet computer network connecting all corporate offices in Greece, an Enterprise Resource Planning system (SAP) and over eighty other transactional and decision-support ICT systems. Hence a cyber security policy for protecting ICT systems is enforced through the adoption of state-of-the-art technology and security procedures in accordance with ISO 27001 standards. Consequently the requirements of a Compliance Plan are met, with regards to the protection of commercially sensitive information. These requirements are an integral part of DESFA’s Certification, since April 2013, as an Independent Transmission Operator (ITO) for natural gas. This brings out cyber security as a necessary company core competence.

Adoption of cyber security systems and procedures follows a step-by-step methodology for ensuring the engagement of company’s human resources and in-house technical support. On top of that a healthy circle has to be established for ensuring cyber security, by assigning specific roles to various security stakeholders, like the IT system administrators and the IT security engineers within the IT business unit on the one hand and the corporate security business unit on the other hand.

A clear cyber security architecture has been designed, which is supported by a road-map of specific security enforcing systems. Each one of them is hand-picked according to criteria for performance, suitability and track-record. Current systems and future add-ons are delineated. Last but not least ISO 27001 is briefly described, along with specific actions to get certified.