

FirePro.

Egyptian LNG

Location: **Africa** Dealer: **Watania Advanced Systems** Application: **Control Rooms, Cable Tunnels, Electrical Panels**
Industry: **Processing**



Egyptian LNG (ELNG) is Egypt's largest liquefied natural gas joint venture between PETRONAS, Egyptian General Petroleum Corporation, Egyptian Natural Gas Holding Company, BG Group and Gaz de France. The LNG liquefaction plant is located at Idku, roughly 50 kilometres east of Alexandria. ELNG works hard to implement environmental sustainability programs such as waste management, recycling and conservation in order to improve local conditions and human health.

FirePro Systems Used

FPC-4R

FP-20SE

FP-40S

FP-80S

LHC 68°C

LHC 88°C

Risks Involved & Consequences

ELNG's operations are carried out by cutting-edge operating systems and advanced electronic applications. Nevertheless, most of it is inter-reliant on electricity and electrical equipment that keeps centralise operations run smoothly and uninterrupted. Incidents involving electrically induced fires often cause massive collateral damage when left unattended. Consequently, protection of these mission critical equipment is of particular importance for ELNG fire engineers.

The Task

Design and speedily install various fire detection and suppression systems to protect the cable ducts and control rooms across the offices of the Egyptian LNG Headquarters'. The technology needed to be efficient and effective, require little maintenance, be environmentally friendly and have a very small footprint. The control panel must be able to monitor and control all the systems throughout the facility that might work independently. Any electrically induced fire scenario that could prove disrupting to premises and operations needed to be avoided.



Why FirePro?

FirePro's modular technology is able to be connected to conventional control panels as well as to remain entirely autonomous. The system's flexibility also allows it to be used in very small places such as for in-cabinet protection; which fights fire at source inhibiting its spread and/or activation of additional firefighting systems. Complementing all these is the fact that the system has a 15-year lifetime cycle, no re-filling requirements and very low maintenance. The project's fire engineer's selected FirePro equipment as the ideal solution to protect these assets and minimise the risk of disruption to company operations.

Results & Implementation

Fire detection and extinguishing systems were installed to all electrical panels across the Egyptian LNG Headquarters by Watania Systems Fire Specialists. With no piping required and a very low footprint, FirePro equipment was speedily installed avoiding disorder during office hours. The units have a 15 year operational lifetime and an insignificant footprint. The technology requires minimal maintenance and provides a reliable and cost effective solution to tackle possible fire hazards that could prove dangerous. At the same time the green FirePro FPC compound remains safe for the environment even after activation thus reinforcing ELNG's efforts as an eco-friendly company.

