

Akritas Enterprise

Location: **Europe** Distributor: **FirePro Hellas S.A.** Application: **Transformer Rooms/Substations** Industry: **Processing**



Akritas is a European enterprise operating in the wood processing industry. Its production facilities are based in Greece and Bulgaria, with exports focused on the Balkans and the Eastern Mediterranean. Akritas has strong CSR programs which involve contributions to schools, hospitals and therapy centers. It also promotes environmental sustainability through its involvement in the UN Global Compact, the WWF for maintenance of wetlands, the Forestry Department, and other organizations.

The Task

Design and install a reliable and robust automatic fire suppression system for protecting the Transformers. By assessing the fire hazards and implementing proper fire risk mitigation methods, the fire engineers sought to diminish the fire risk, maintain maximum uptime and safeguard the well-being of the business and its employees. Fire Engineers also sought to ensure that the system would adhere to strict International Standard Compliance (ISO15779), could be easily maintained, and that it aligned with Akritas' environmental protection requirements.

FirePro Generators used:

FP-4200

Risks Involved & Consequences

Transformer rooms carry a number of fire hazards, even in the presence of highly capable operators. These hazards are primarily linked to moisture, dirt, age, excessive temperatures and technical faults that can degrade the dielectric (isolating) materials. As a result of this degradation, arcing will occur, leading to temperatures of thousands of degrees which can cause a fire. The consequences of a fire incident with these assets can be catastrophic. Damage to the premises and peripheral equipment involves long downtimes, insurance claims and injuries.

Why FirePro?

FirePro has vast experience in protecting transformer rooms, as well as prominent credentials attesting to the effectiveness of its technology. The system's ease of installation, robustness, space saving requirements, low maintenance and 15-year product lifespan are just a few of the attributes that set FirePro apart from older technologies. Furthermore, the fire suppression system can be integrated with existing control systems, enabling real-time system status feedback to the Health & Safety operators. FirePro's proven reliability across the industry ensures a simple, environmentally friendly and long-lasting system.



Results of Implementation

FirePro Hellas supplied the bespoke FirePro fire suppression systems as per project specifications to protect the Transformer rooms. FIREX Hellas engineers designed the system from the ground up and carried out the installation with a double-knock system. The systems currently protect the enclosures and are ready to suppress any looming fire incident. The systems can contain potential damages to the equipment and peripherals and consequently reduce down-time and other collateral damages.

