

# Thessaloniki METRO – a new project for ZARIFOPOULOS Group

ZARIFOPOULOS S.A., has proudly undertaken to supply and commission the Fire Detection and Integrated Security and Access Control Systems for the new METRO in Thessaloniki, the second largest city in Greece. With more than 45 years of experience and leading position, in the Fire Protection, Security and Energy Management Systems sectors, ZARIFOPOULOS was chosen by the Contractor, AKTOR S.A., to fulfil the challenging task of protecting this valuable and sensitive infrastructure, including all 13 stations of the Central Line and the Main Control Center - Depot.

ZARIFOPOULOS' scope includes the procurement of equipment, the provision of technical instructions and the programming, commissioning, final testing and delivery of the systems in full working order, as well as the maintenance and support of the systems' operation for the initial period of their life cycle. ZARIFOPOULOS S.A. solutions, based on the leading edge equipment provided by



manufacturers SCHRACK SECONET AG (fire detection), DDS (access control) and Honeywell (security), fully conform to the strict project specifications.



Specifically, the fire detection system stands out by the hardware redundancy attribute which is realized not only for the CPU of the SCHRACK Integral MX panels, but for all the electronic boards within them, offering maximum safety level for the continuous and unobstructed operation of the panels with full functionality. Furthermore, by default all point-type detectors are of combined smoke/heat type, allowing for

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programmable use of each detecting principle according to the special conditions in each area, depending on the time of the day/week. One more distinguishing feature, is that smoke detectors use CUBUS levelling® for adapting automatically to the environmental conditions.

The Integrated Security and Access Control System is composed of OPEN access controllers by DDS and Galaxy Dimension security panels by Honeywell, satisfying Grade 3 requirements according to EN 50131. The integration between the two manufacturers is performed at software level by the Amadeus platform of DDS, which relays the information from the integrated



system to the central Security Management System of the METRO via OPC protocol.

This project demonstrates the high level of training and expertise of the engineering and technical personnel of ZARIFOPOULOS, as well as the special experience that has been attained through a variety of similar projects which have been successfully completed in the recent years. ZARIFOPOULOS has procured and installed Fire Detection, Fire Extinguishing, Security, CCTV, Access Control and Building Management Energy Systems (BEMS) in various projects in Greece, United Kingdom, Romania, Pakistan, Jordan, Algeria, Ghana, Nigeria, etc., including Power Plants, Solar Farms, a Natural Gas Compressor Station and others.

ZARIFOPOULOS S.A. has also accumulated great experience in a series of large and composite projects regarding archaeological areas and monuments, central highways, large

community buildings (theaters, concert halls, universities, libraries, hospitals, banks, national administration buildings, malls), as well as in the field of tourism, with a respectable number of high standard, luxury hotels.

ZARIFOPOULOS - a Greek Group of Companies - together with its subsidiaries in Bulgaria, Cyprus and Albania, aspires to provide Safety and Security solutions that stand out, with the great added value that a company with 45 years of experience can offer.

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