

Middle East Hotel Installs Nexus System

The Prestigious Phoenicia in Beirut



The Phoenicia Inter-Continental hotel in Beirut Lebanon is one of the most prestigious hotels in the Middle East region. The hotel engineering group follows a policy of continuously improving its services by keeping up to date with all types of latest and best available technology. Three sets of Fireye Nexus systems were recently purchased to be fitted to the existing Donlee/ York Shipley steam boilers. The intention of the installation is to save energy, provide closer control and thereby reduce emissions. The three York Shipley burners fire no. 2 light oil to a boiler capacity of 400HP. The complete Nexus package sales, installation and commissioning was carried out by IDEKO s.a.r.l. the Fireye distributor also based in Beirut.



The Nexus system provides **precision fuel air ratio control** with integrated burner management and **electronic firing rate regulation**. The system at the hotel also incorporates O2 trim, **variable speed, blower control, lead - lag and ComFire supervisory control and data acquisition software**. Cost savings in terms of both fuel and electrical energy are expected to be in the range of 5% to 7% keeping the payback period to the minimum. During commissioning combustion and efficiency improvements of several percent were noted across the load range, while blower electrical consumption was reduced by almost two thirds at all firing rates below high fire.

IDEKO has vast experience, **IDEKO S.A.R.L.** having installed several hundred boilers in the Middle East. They provide full "Turnkey" support for all Fireye combustion and burner management systems.



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