

Thameswey Developments Ltd



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Thameswey Developments Ltd – Victoria Square; Woking

The Victoria Square development in Woking town centre is on track for phased completion in 2020. Construction giant Sir Robert McAlpine is spearheading the multi million pound transformation, which is a joint venture between Woking Borough Council and shopping centre owner and investor, Moyallen Group.

At 34 and 32 storeys high, the two residential towers will feature over 400 high specification apartments in a prime location. The 23 storey third tower will be home to the town's newest Hilton 189 room hotel.

The new development will be anchored by 125,000 sq. ft of commercial space featuring the new Marks & Spencer food and clothing store across 50,000 sq. ft, multi-storey car park, a medical centre and two public plazas.

Thameswey are providing a District Heating and Cooling System from their Energy Centre for the Victoria Square Development and Cetix have been awarded a contract, following a competitive bidding process, for the turnkey supply of the PLC and SCADA system for the control and monitoring of the new development.

A key requirement was that the successful company are Wonderware System Platform Certified to ensure a professional SCADA system is provided. Cetix are one of only 9 UK System Platform Certified System Integrators.

The Cetix scope of supply includes 19 off Siemens S7-1200 PLCs accommodated in custom made panels, which will communicate with the Wonderware System Platform SCADA via an extensive fibre optic communications network, also provided by Cetix.

Cetix is also supplying field instrumentation including valves, temperature and pressure transmitters.



A wireless access point is available at each RTU for remote connectivity to PLC and SCADA via iPad's and other mobile devices.

The PLC and SCADA system interfaces to several 3rd party systems and Cetix will liaise with these suppliers to ensure all communication interfaces are compatible as these are critical to the successful operation of the system.

The Cetix turnkey project delivery includes Project Management, detailed design, panel build, PLC and SCADA configuration, internal and Factory Acceptance Tests, documentation, installation, commissioning and client operator and maintenance training.

The system is crucial to Thameswey as it controls and monitors the entire District Heating System and provides real time information and diagnostics to guarantee a reliable service is provided to all consumers on the network. It also interfaces to energy meters used for fiscal billing purposes.

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