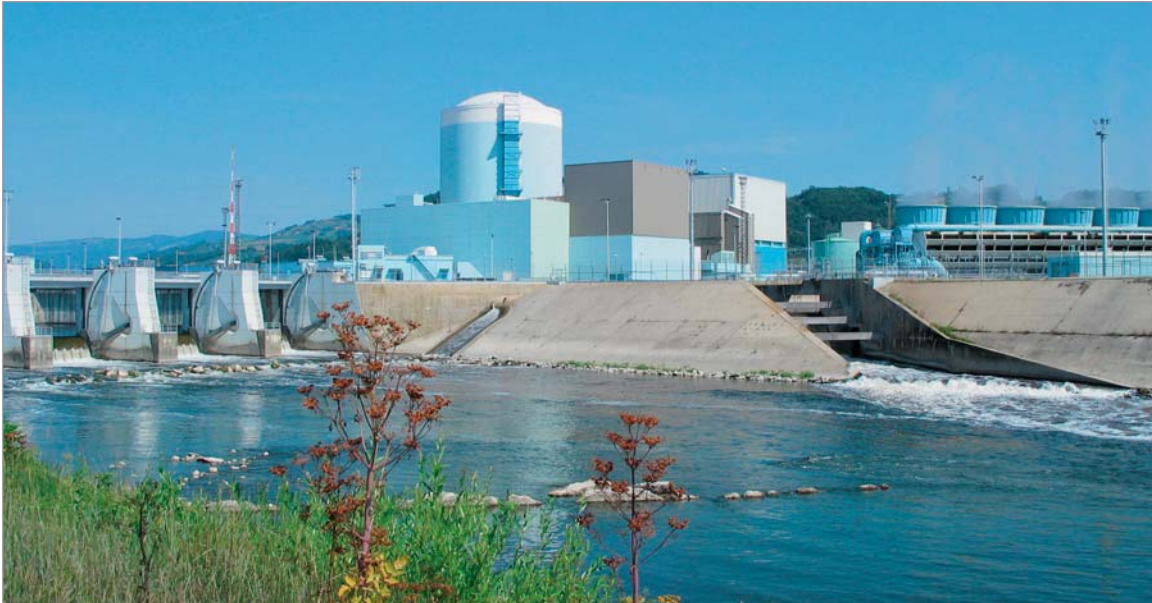


NEK - Nuklearna Elektrarna Krško Nuclear Power Plant



Analyzer Rack

Engineering Highlight

As a turn-key contractor SWAN Systeme engineered the complete refurbishment of an existing sampling and analyzing system. The refurbishment included removal of old equipment, renovation and construction work as well as the assembly of the frame mounted new sampling system. Due to the efficient and integrated temperature compensation of our instruments the old chiller system became redundant.

SWAN designed and implemented an Automated Quality Assurance System (AQAS) with remote monitoring for the device status information of all SWAN instruments. These quality assurance parameters were integrated into the Laboratory Information Management System (LIMS).

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NEK - Nuklearna Elektrarna Krško Water Steam Cycle Monitoring



Sampling Rack

AQAS (Automated Quality Assurance System)

SWAN's Scope of Supply:

- Design** Analytical instruments and sampling components mounted on five sampling racks situated in different locations.
- Lines** In total 9 lines with 8 from the secondary water steam cycle and 1 from the condensate transfer tank.
- Analyzers** 23 analytical instruments
- Signal** Profibus DP communication and a remote monitoring system with AQAS (Automated Quality Assurance System).

Krško Power Plant

- General** Nuklearna Elektrarna Krško is a nuclear power plant with a pressurized water reactor (PWR) and two steam generators with a total output of 676 MW. The power plant which went into commercial operation in 1983 is a joint venture of Slovenia and Croatia.
- Location** Krško in Slovenia
- Contractor** SWAN Systeme AG
- Operator** NEK - Nuklearna Elektrarna Krško
- Start-up date** June 2006

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