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Semcon upgrades measurement system at Forsmark nuclear powerplant

Semcon has received another order from Forsmark nuclear powerplant for a measurement system at reactors 1 and 2. The order is for upgrading the ComTest® measurement system, which is used in monitoring the condition of drive mechanisms, isolation valves and flow valves.

Semcon will be responsible for the hardware, software development, testing, documentation, and staff training.

"The ComTest ® measurement system has been used at Forsmark 1 & 2 since 1992 and we are extremely pleased about the confidence they've shown in us again. We'll upgrade the current measurement system to further increase its performance and reliability, meaning a new computer structure, a new computer operating system and new processors for all the I/O systems," says Jan Gunulf, department manager at Semcon's ComTest department in Helsingborg.

The ComTest ® measurement system for condition monitoring

ComTest is an on-line computer-based system used for monitoring the condition of control rod drive mechanisms, reactor containment isolation valves and the many flow valves for turbines. The measurement system is used for detecting early changes in drive mechanisms and valve behaviour by comparing measurements with stored reference curves. It's a very large system with over 2,000 data points per reactor block, which are all extremely carefully synchronized to be measured simultaneously. The system is also used as a general measurement system with configurable measurement conditions and for special interference measurements.

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