



SIEMENS CLS200 CAPACITANCE SWITCHES ENHANCE LEVEL CONTROL AT WASTEWATER PLANT

BACKGROUND

Process Instrument Solutions supplied, installed and commissioned Siemens SITRANS CLS200 digital high-level capacitance switches at a UK wastewater treatment plant. These advanced switches were selected for their ability to provide reliable and accurate level monitoring in demanding process environments.



CHALLENGE

The wastewater facility required a solution that could deliver repeatable level control while also offering clear local status indication and integration with the plant's existing communication networks. The instrumentation had to be suitable for hazardous areas, support multiple media types, and provide ultimate high and low alarms for inventory management and overspill protection.

SOLUTION

The Siemens SITRANS CLS200 switches were chosen for their versatility and robust design. Each device includes a local display that allows operators to easily configure settings, view level status, and even monitor process temperature. The CLS200 supports ProfiBus communication, enabling seamless integration into the site's digital control system, while its EX certification ensures safe operation in hazardous environments.



With the capability to measure liquids, granules, pastes, and solids, the CLS200 delivers accurate and repeatable performance across a wide range of applications. This made it the ideal choice for the plant's high-level monitoring requirements.

RESULT

The installation provided the wastewater treatment plant with a reliable and adaptable level monitoring solution, offering enhanced safety and improved process control. Operators now benefit from local visibility of level and temperature, robust digital communication, and confidence in overspill prevention. By deploying Siemens SITRANS CLS200 switches, Process Instrument Solutions delivered a problem-solving instrument that combines flexibility, safety, and long-term reliability.





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EQUIPMENT SUPPLIED

Siemens Pointek CLS200 Capacitance Switch

Siemens Pointek CLS200 is a versatile inverse frequency shift capacitance level switch with optional rod/cable choices and configurable output, ideal for detection of liquids, solids, slurries, foam and interfaces. The digital version (with PROFIBUS PA) includes a display and provides additional diagnostic features.



Unparalleled Services & Solutions

Process Instrument Services delivers expertise, precision and reliability, tailored to meet your needs. Experience the difference with us.



Jon Tayler
Managing Director

