



# INSTALLATION AT GELSENKIRCHEN REFINING

Corrosion monitoring was conducted on cast carbon steel u-bends with a wall thickness of approx. 25mm (1 in.), operating at 380°C (720°F) in the Gelsenkirchen refinery operated by BP to ensure continued safe operation. Because the high temperature prevented accurate manual ultrasonic wall thickness measurement, and would

have exposed inspectors to significant hazard, the Permasense continuous monitoring system was installed: this secured operation with confidence until turnaround. The system has been delivering reliable measurement data for over four years now.

