



Control Systems International®



NEDERLAND

BP Nederland V.O.F. needed to dramatically update its legacy automation and accounting system at its Amsterdam marine terminal.

The Amsterdam terminal is a massive site with eight truck loading bays, two liquid petroleum gas (LPG) loading bays, two sea-going marine jetties, five barge jetties, and 77 storage tanks. Eight suppliers, 50 carriers, and 1,000 drivers provide refined product for more than 60 customers, and keeping track of all of that product when moved, stored, and dispensed became a huge undertaking for BP.

BP wanted a single integrated system that could not only account for all the product coming in and going out, management also wanted a system that could control the pumps, valves, injectors, provers, and gauges.

Only one system could meet all of the enterprise-wide requirements set forth by BP: **FUEL-FACS+** by **Control Systems International, Inc. (CSI)** This is the 15th terminal CSI has automated for BP in Europe, and there are five more BP Europe projects in progress.

Project Profile: BP Amsterdam Automation

FUEL-FACS⁺ Puts Terminal on the Web



BP Amsterdam had to replace its legacy system but wanted to keep as much of its existing hardware as possible. FUEL-FACS⁺ monitors and controls more than 4,000 I/O points at this site using several different vendors. BP uses Profibus network, Texas Instrument PLCs, Enraf tank gauging, Contrec 1030 driver entry terminals, Berkel batch/scale controllers, and Mitsubishi PLCs for its additive injectors. FUEL-FACS⁺ is an open system running on Windows NT, and CSI engineers have pre-configured it to interface with most standard off-the-shelf hardware and third-party software.

BP Amsterdam loads 300 trucks each day and performs more than 300 marine movements each month. With FUEL-FACS⁺'s sophisticated accounting system, BP management can account and invoice every drop of product dispensed, loaded, or stored. FUEL-FACS⁺ manages all of the business transactions taking place at the terminal including allocations, inventory, and credit for each supplier, customer, carrier, and exchanger.

With the proper security, suppliers, customers, and exchangers can even access the data they need over the Internet. FUEL-FACS⁺ is also configured to interface with BP's BackOffice ISP system.

With FUEL-FACS⁺, BP Amsterdam can accurately track and invoice every drop of product dispensed. This increased efficiency ensures excellent return on investment for BP Amsterdam while providing maximum customer service.



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