

Cardinal Controllers and Oil Blend Software

ON THE JOB: UK Cardinal Dealers County Scales and R-Cal Calibrations installed two new lines into a large oil plant in Rotherham, UK. Two large vessels were installed onto two heavy-duty platforms incorporating Cardinal SCA 100K load cells. The vessels are separated in seven tanks, three in one and four in the other. Two Cardinal 788's, with seven 778D cards, seven Valuweigh relay modules and custom-written software control the flow of the oil from the two bulk oil silos into any of the seven storage tanks and then discharges the oil to any of the other storage tanks throughout the factory.

Equipment Used:

- 100K SCA Loadcells in 100,000kg Heavy Duty Platforms
- 2 Cardinal 788 Panel Mounts
- 3 778D cards in one and 4 778D cards in the other
- VW Relay Modules, Watchdogs and other electrical accessories
- Serial Output to Excel to record and track all oil movement
- VW Excel Link Software

The software along with the VW Watchdogs provide extra safety features, important for such installations. The Watchdogs monitor the continuous RS232 OIML output from COM1 of the 788 and shuts down all relays in the unusual event of an system lock-up or power down.

The easy-to-use software makes calibrating the individual tanks and controlling and tracking the oil flow throughout the plant straight forward and hassle free. With custom written software allowing the switching and monitoring of 35 different valves, non-volatile flash memory storage of oil discharge and filling records and real time graphic displays of each tank the Cardinal 788 made this oil installation run very smoothly and operate efficiently.

Application compliments of:
County Scales
R-Cal Calibrations

