

Industry: Water

Products Used: Drives /// HMI's /// SCADA

Dwr Cymru Welsh Water choose Mitsubishi

Dwr Cymru Welsh Water (DCWW) have awarded a framework agreement to Mitsubishi Electric for the supply of Variable Speed Drives.



This new agreement covers drives from 220 kW to 520 kW which are to be installed at DCWW's water and waste processing sites. Supplying drives to DCWW extends the range of automation products Mitsubishi Electric already provide, as they have an existing framework agreement with DCWW to outfit PLCs, Human Machine Interfaces (HMI's) and MX32 SCADA software.

The Mitsubishi Drives selected by DCWW have the smallest frame size of any in their class. Their compact design gives natural savings on panel costs, particularly in the building of new motor control centres, and more importantly on installation space which is always at a premium at the DCWW sites.

Each Mitsubishi Electric variable speed drive unit is assembled and fully tested before shipment from Japan for maximum reliability and low maintenance costs. The drives are designed for a 10 year working life without having to be taken out of service. The only routine replacement item, the fan, is controlled to run only when needed to maximise its life and can be replaced via a plug-in cassette without opening the main inverter cover.

DCWW save valuable commissioning time with the drives by using Mitsubishi Electric's unique On Line Auto Tuning (OLAT) system that continuously re-optimises control as the motor temperature or other parameters change.

Using OLAT avoids the need to tune the drive cold then run it up to normal operating temperature and re-tune it when hot. This as well as taking time, means that a traditional drive system is no longer optimised when cold, but by continuously re-tuning, OLAT means the drive system is always optimised for best possible performance and economy.

Application story first released November 1998 by Mitsubishi Electric UK