

# Control Techniques awarded PlantWeb Certification



**Control Techniques has been awarded PlantWeb Certification for its range of Variable Speed Drives, guaranteeing interoperability with the Emerson Delta V and Asset Management System (AMS).**

Key Account Manager Martin Green commented “this certification shows Control Techniques’ commitment to seamless integration within the PlantWeb environment, offering the user a complete solution from one source, with simple setup, effective diagnostic and a level of plant management that offers an unprecedented way to reduce costs and maximise the use of your assets”.

Pharmaceutical manufacturing is a very complex operation involves many key processes. These processes often utilise automation equipment containing fans, pumps, compressors, centrifuges, fluidised dryers, and conveyers powered by induction motors. In some early manufacturing facilities, these applications were controlled with motor starters, which only provided the ability to start and stop the motor with no other control capabilities. As technology evolved, process control engineers started to use smart switches; These switches provided a digital link so information could be gathered about control system performance. However, they did not provide the plant operators with the ability to perform closed loop motor control and to get predictive diagnostic information. Control Techniques provides a complete solution by putting the digital control interface within the drive itself.

By using a Control Techniques drive in the PlantWeb environment process engineers can implement a complete digital control and monitoring strategy; providing real-time control, predictive diagnosis, rapid commissioning and easy troubleshooting. This technology adds value to your

production process by reducing downtime by utilising planned maintenance through advanced monitoring of both process and plant.

PlantWeb incorporates AMS (Asset Management System) and Delta V to offer a truly integrated solution for both process engineers and plant maintenance staff. This is accomplished through plug and play technology using the PCSD modules by providing a graphical faceplate to monitor critical plant data, implement advanced control functions (such as interlocks, permissives and mode locking) and has been fully tested by the PCSD development team to guarantee a truly compliant system.

New EDDL modules allow for best in class commissioning utilising AMS device manager. This allows engineering staff to detect problems before they occur, reduce setup time and limit down time all from within the familiar PlantWeb environment.

## KEY BENEFITS

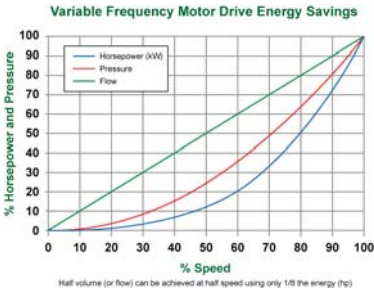
- APPROVED PLANT WEB DEVICE
- PROFIBUS DPV1 CONFORMANCE TESTED
- PREDICTIVE DIAGNOSTICS
- CALIBRATION MANAGEMENT
- DEVICE CONFIGURATION
- DOCUMENTATION REPORTS
- EASY SYSTEM TROUBLE SHOOTING



Using “Guided setup” ensures that minimal time is spent commissioning by providing templates for key applications such as fans, pumps, compressors and more. The comprehensive digital interface provides real-time information on plant performance with PlantWeb alerts providing operators and engineers clear and accurate information to allow production to achieve maximum throughput and minimal down time.

integrity. This offers a rapid return on investment and consequent increases in profit in the following years.

Control Techniques offers a full range of drives for any application, including specialist HVAC products incorporating many of the standard building automation networks including Metasys, BACnet and Modbus RTU



### Energy Savings

As part of PlantWeb the Control Techniques range of drives offer significant savings when compared to other control technologies keeping your hard earned profits where they belong.

Figure 1 (also add Figure 1 to diagram) shows how running motors at reduced speeds saves significant amounts of energy, for example at 80% speed only 50% of the energy is used reducing to only 12.5% at 50% speed. Using your Delta V control system to control the set-point you ensure you only need the right amount of energy to maintain process



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For further information please visit  
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