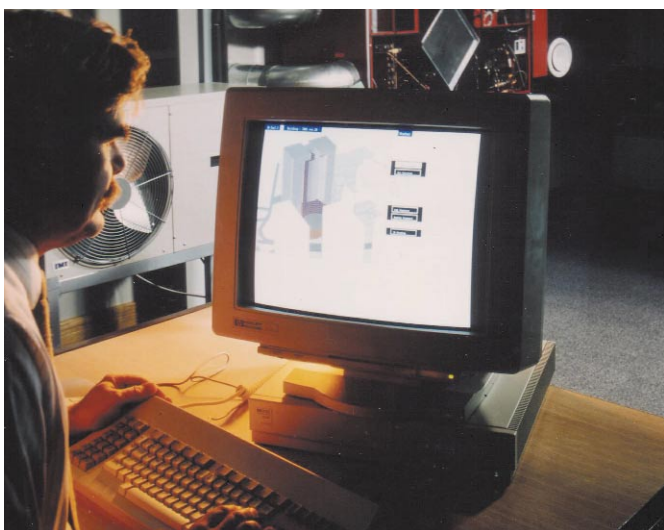


Industry: Electricity
Products Used: Drives

Electricity company promotes energy savings to industry

Midlands Electricity PLC (MEB) uses a Mitsubishi Electric A140 variable speed drive to demonstrate the energy savings available with inverter motor speed control. Companies with industrial motor speed control applications can visit MEB's Energy Technology Centre in Halesowen and see how Mitsubishi's A140 can reduce their energy costs.



Engineers at the Centre demonstrate the drive's intelligent 'energy saving' mode on a simple fan application. They compare the current in two identical motors, one controlled by the A140 and the other operating directly from the mains. Running normally, the inverter reduces the current drawn by the motor by 25%, but when energy saving mode is employed, this can increase to 50% with no loss of performance.

According to Jon Emmitt, one of the Centre's project engineers, "our purpose is to promote energy efficient solutions for electrical applications to industry and business. The Energy Technology Centre allows companies to see working demonstrations of the latest electrical technologies and how they will benefit their applications. As an energy saving drive, the A140 fits in with our philosophy."

A local giftware manufacturer recently borrowed an A140 from Mitsubishi Electric after hearing about it from MEB. It is now installed on a motor driving an 11 kW extraction fan, running 24 hours a day, 50 weeks a year. The manufacturer has calculated that in energy saving mode, the A140 gives a payback time of 1.13 years and has made it a factory standard.

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Our purpose is to promote energy efficient solutions... As an energy saving drive, the A140 fits in with our philosophy

Jon Emmitt
Midlands Electricity PLC

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MEB's Energy Technology Centre provides its customers with an ideal opportunity for testing technologies before committing their capital. Mitsubishi Electric's A140 is now very popular on energy intensive applications (especially pump and fan) and is providing large cost savings for industries in the West Midlands and throughout the Country.

Application story first released June 1995 by Mitsubishi Electric UK