

+20% Saving



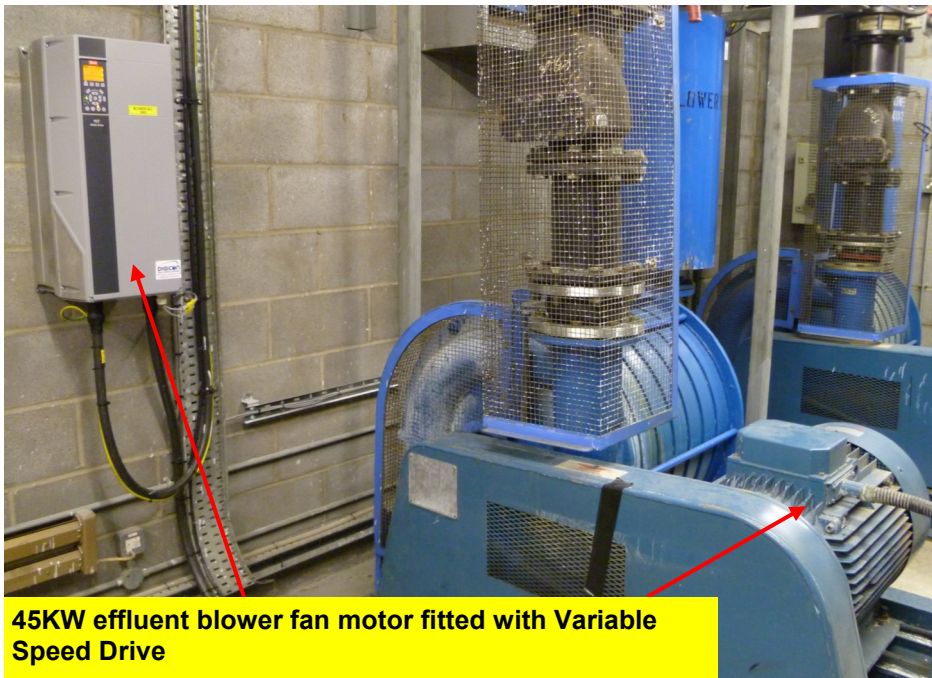
EnerJon

Energy Efficiency

VSD Efficiency Improvement

A large manufacturing site wanted to reduce energy consumption, one of the projects identified, installed and commissioned by Enerjon was the fitting of a Variable Speed Drive (VSD) onto the site 45kw effluent fan blower motor. The project involved:-

- **Full up front costs / saving analysis and summary report.**
- **Identification of all electrical & control requirements.**
- **Installation and commissioning of the VSD onto the 45KW effluent fan blower motor.**



45KW effluent blower fan motor fitted with Variable Speed Drive

The Results

The installed VSD achieved the following improvements:-

- **With only a 5% reduction in motor speed, power consumption was reduced by over 20%.**
- **Achieved annual power savings to the site of 69,500 KWH, reduced annual carbon emissions by over 32 tonnes.**
- **Payback period for all project costs was 15 months.**
- **Other benefits include controlled soft starting of equipment, reducing electrical spikes and mechanical stresses on fan and motor, extended equipment life due to reduced rotations. The time card on the inverter allowed fan to be switched off during peak power cost times.**

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