

case study

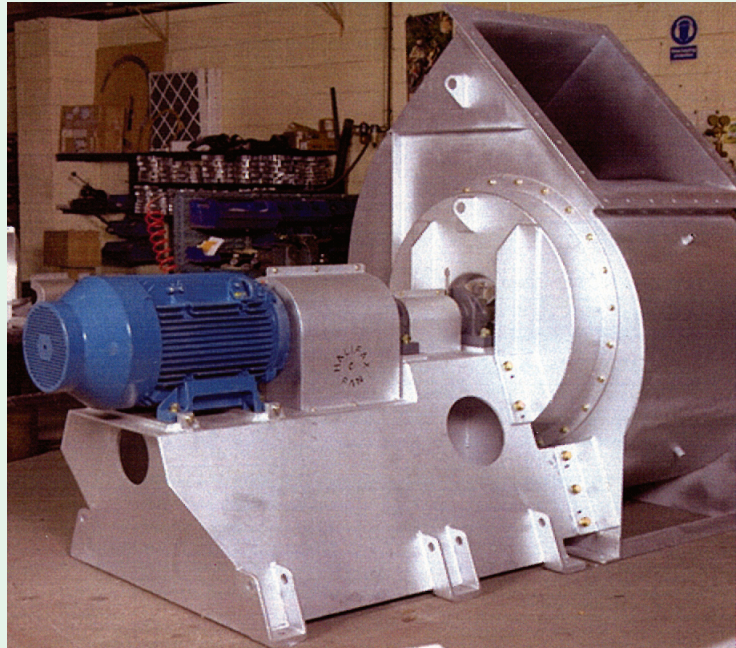


case study 01

Handling combustion gases in a hostile environment

A middle eastern customer with a particularly demanding application for combustion gas handling turned to Halifax Fan who designed and manufactured a customised solution to meet the exacting requirements in full.

Halifax Fan prides itself on its ability to carry out the design and manufacture of complex fan assemblies and challenging special projects from concept through to in-house testing, despatch and delivery. The customer recognising this strength, presented Halifax with a major complete design and build project challenge.



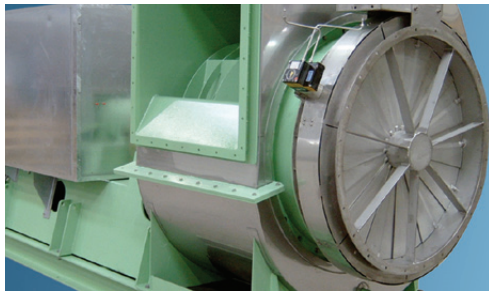
The end user, located in Dubai in the United Arab Emirates, not only needed to comply with a harsh operating environment but also with compliance to complex specifications in addition to comprehensive documentation detailing that compliance.

The working temperature of the assembly was specified as up to 390°C with an ambient temperature of up to 50°C. The fan was tested in the Halifax test facility to BS848 Part 1, 1980 Type C with no negative tolerance permitted on either flow or pressure.

The assembly, including an Inlet Vane Control Damper and speed sensor complies with the relevant Engineers India specifications,

which required adherence to complex procedures and full documentation, all of which Halifax accepted and undertook as part of the overall contract.

The customer was very satisfied with the professional and efficient manner in which the Halifax team dealt with their exacting requirements and was pleased to have found a company that can be flexible and professional enough to deliver overall solutions to a highly detailed and demanding specification with minimum fuss and interruption. The two systems are now fully operational in Dubai and the customer has expressed his entire satisfaction with the way the contract was enacted and with the performance of the overall installation.



01

case study

- Design Manufacture and project management
- Fan, motor and inlet vane control damper forming a customised assembly
- Extreme operating environment handling boiler combustion gases
- Project compliance and export documentation management
- Rugged steel construction with heat resistant paint
- Halifax Fan embodies a total project focus that includes comprehensive design, manufacture and in-house test procedures that are dedicated to providing customers with the right solution to a wide range of fan applications. Products span from standard models to custom designed solutions to meet the most complex of requirements
- Halifax products are backed by specialist support engineers and comprehensive spares and refurbishment services that extend to fans supplied by other manufacturers. On-site pre-sales consultancy is readily available in addition to fan performance testing and site balancing.

Application benefits

- High temperature operating environment handling boiler combustion gases.
- Rugged steel construction with heat resistant paint
- Bespoke project from enquiry, through specification design and construction
- Full project compliance and export documentation management.
- Performance tested in-house to BS848 Part 1, 1980 Type C

Halifax Fan Limited

Mistral Works, Unit 11, Brookfoot Business Park, Elland Road, Brighouse, West Yorkshire, HD6 2SD, UK
T: +44 (0)1484 475123 F: +44 (0)1484 475122 E: sales@halifax-fan.co.uk

Halifax-Fan (Shenzhen) Co Ltd

1 & 2F, No. 4 Building, Creative Industrial Park, Shang Xia Wei, ShaJing, ShenZhen, GuangDong Province, China
Telephone No. 0086 755 8149 0059 Fax No. 0086 755 8149 0019

www.halifax-fan.co.uk