

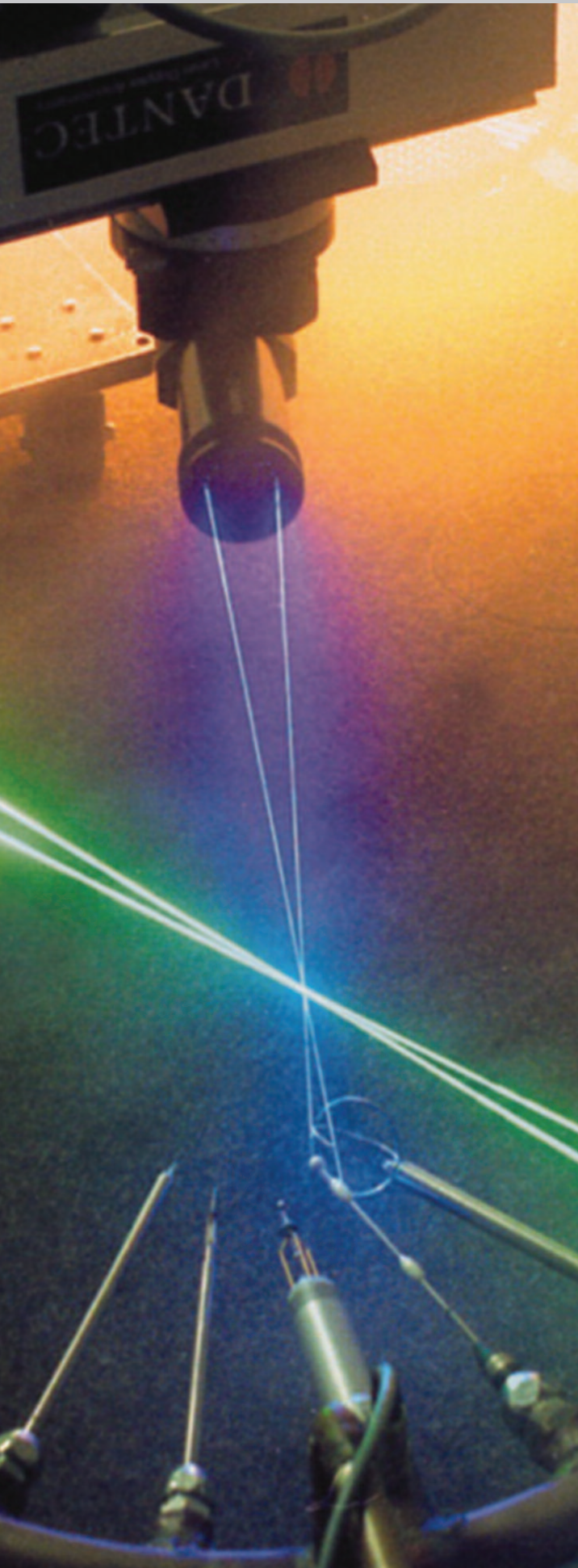
TROX[®] SERVICE

**Refurbishment, Installation,
Maintenance & Spares**



TROX[®] TECHNIK

The art of handling air



TROX® TECHNIK

The art of handling air

For over 55 years, TROX has been producing and marketing components and systems for air conditioning and ventilation technology. Due to its extensive research and development experience, it is considered to be a pioneer in this area globally.

Worldwide Company

TROX Service offers installation, refurbishment and maintenance expertise on all TROX products supplied from its UK and overseas factories.

TROX Group

- 2,700 employees worldwide
- 21 subsidiaries in 19 countries
- 12 factories, 150,000m²
- Group turnover - €300M sales
- 10 R & D centres
- 28 test and demonstration laboratories

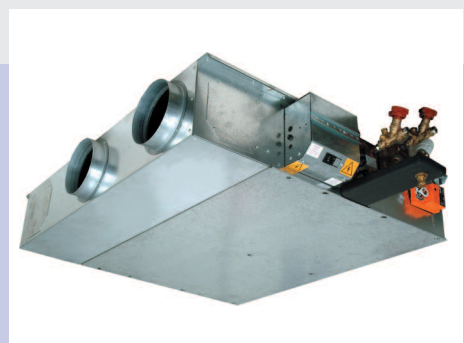
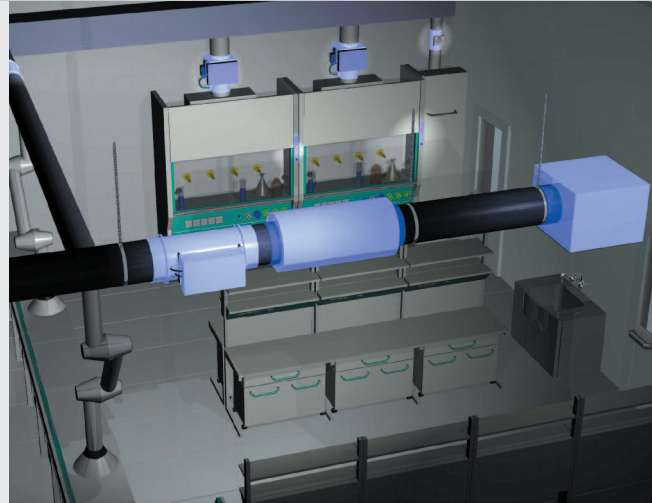
Subsidiaries and Distributors

Australia	Hong Kong
Austria	Hungary
Belgium	Italy
Bulgaria	Malaysia
Brazil	Norway
China	Poland
Croatia	Russia
Czech Republic	Serbia & Montenegro
Denmark	South Africa
Dubai	Spain
France	Sweden
Germany	Switzerland
Great Britain	USA

Systems and Technologies

TROX expertise extends across a wide range of products and systems from VAV to Chilled Beams. TROX Service will survey, evaluate, and repair / maintain its own products and other manufacturers' products in the following areas:

- VAV Systems
- Fan Coil Systems
- Chilled Beams
- Air Filtration
- Fire Dampers
- Lab Control Systems
- Air Distribution
- Chilled Ceilings
- Façade Ventilation
- Fire Control Systems
- Noise Control
- Data Cooling via CO₂
- Dealer Desk Cooling via CO₂
- Volume Control Dampers
- CAV Systems
- Dual Duct Systems





Refurbishment, Installation, Maintenance & Spares

TROX Service offers a wide range of activities which are undertaken by factory trained specialist engineers and include:

- Refurbishment
- Installation
- Maintenance
- Spares

This additional support from a global manufacturer means that single point responsibility can be offered from early design through manufacture, installation, commissioning and any ongoing maintenance or facility management activities. To ensure systems operate in the most efficient and effective way many customers are now taking up these options offered by TROX Service.

CUSTOMERS INCLUDE:

- ABS London
- Bancroft
- Briggs & Forrester
- Bovis
- Canary Wharf Contractors Ltd
- CHS Building Maintenance Services
- Cowes Powerstation
- DTZ
- Eaton Associates
- Elyo Services
- Emcor
- F.P Hurley & Sons
- Haden Young
- Honeywell Controls
- ISG
- Johnson Controls
- Laing O'Rourke
- Lorne Stewart
- Luton Airport
- Mace
- Mala Engineering
- Mitie Engineering
- MJ Colston
- MJ Lonsdale
- Norland Managed Services
- One Facility
- Planned Maintenance
- Shepherd Engineering Services
- Skanska
- Spie Matthew Hall
- Syscom
- United Biscuits

Refurbishment

Very often older air conditioning systems can be more economically refurbished, improving their efficiency and carbon footprint. TROX offers site surveys, validation of components and refurbishment of the complete system.

- Fan VAV systems
- Fan coils
- VAV and CAV systems
- Data centre and dealer room cooling
- Dampers
- Lab control



Installation

Working in partnership with the client a fully integrated programme can be developed which allows reduced installation time and costs. TROX Service management team has a wealth of experience in the installation across the full spectrum of TROX and third party equipment.

- Chilled beams
- VAV systems
- Fan coils
- Fire protection
- HVAC systems
- Filters
- Louvres



Maintenance

TROX Service are able to offer planned and emergency maintenance and has the specialist knowledge to ensure your equipment is kept in it's optimum condition thus reducing your energy costs through ensuring the most efficient products and control strategies are employed.

- Regular test and validation inspections
- Fully documented test record data
- On-site adjustments
- Repair recommendations
- Component replacement
- System upgrades



Spares

TROX Service offers a comprehensive spares facility for both it's own and other manufacturer's current and legacy products. This facility incorporates both supply only and supply and install options.

- Filters
- Actuators
- VAV – variable air volume components
- Dampers and fire dampers
- Fan coil fan decks





Projects

Refurbishment – Series Fan Terminal Boxes SFTB

The Financial Services Authority building at Canary Wharf had SFTB Boxes which were 15 years old. As part of an overall refurbishment of all the office areas TROX undertook a complete survey of the terminal air conditioning system. The refurbishment included replacing fans and actuators together with other components as required. Following this all boxes were commissioned and validated.

Installation – Multi Service Chilled Beams (MSCB)

Lynton House an eight storey building in Bloomsbury was recently refurbished using TROX Multi Service Chilled Beams on a supply and install basis. A total of 1500 linear metres of MSCB's were supplied which incorporated smoke sensors, lighting, and emergency lighting, PIR and lighting control. A demanding complex project made much easier by the single point responsibility and the expert communication between the TROX on-site workforce and factory personnel.

Maintenance – Fan Powered Boxes

Canary Wharf Management Ltd appointed TROX to undertake specialist annual maintenance on its building in Upper Bank Street. The majority of the work covered constant volume fan boxes where detailed inspections and maintenance work had to be carried out whilst the building was operational and, as a consequence, out of office hours. All components, wiring and piping were checked and remedial or replacement works were undertaken.

Spares – All Equipment

When spares or replacements are required the customer wants an immediate response as they can relate directly to plant that has to be fully operational. The TROX Service Division has engineers who are trained in the specialist product areas and who can give the immediate advice required to identify the source of the breakdown and the most expedient corrective action. This is backed up by a wide range of spare parts and replacement components stocked in the TROX Service warehouse for immediate delivery nationwide.

Refurbishment – Variable Air volume (VAV) Terminal Units

Cutlers Garden in Devonshire Square was the location for a major refurbishment of equipment. Originally supplied by an alternative manufacturer, TROX Service was called in to carry out a survey and undertake the repair and replacement of the VAV terminal units. To enhance the energy saving credentials of the building all 190 boxes were refurbished with a further 50 new boxes supplied.

Installation – CO₂OLrac Units

Imperial College London was the first to choose the award winning CO₂ cooling system for its data centre. TROX Service installed the CO₂OLrac™ units which fit onto a standard server cabinet. This was an existing data centre but was being upgraded due to the increased heat load from the blade servers. With the CO₂OLrac™ units installed each cabinet can handle heat dissipation of 20kW or more.





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Contact

TROX UK Ltd

Caxton Way

Thetford

Norfolk IP24 3SQ

Tel: +44 (0)1842 754545

Fax: 44 (0)1842 763051

E-Mail: trox@troxuk.co.uk

www.troxuk.co.uk