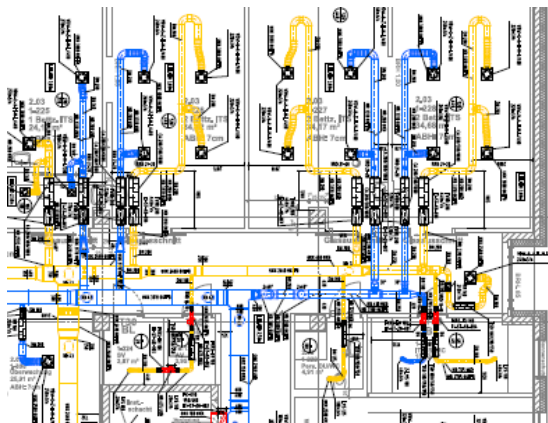


COLLABORATIVE DESIGN

DESIGN MANUALS



EASY AND INDIVIDUAL PLANNING OF ROOM AIR CONDITIONING SYSTEMS

Our design manuals support you in the individual planning of room air conditioning systems.

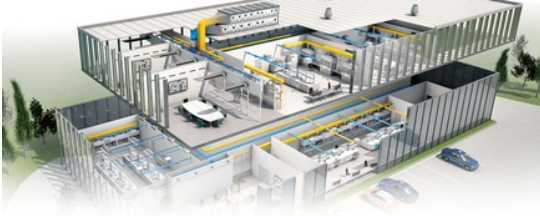
With the aid of planning criteria, legal regulations and standards, explanations on the use of individual products, economic feasibility studies, architectural design options and detailed product overviews, you select the components, devices and systems that suit your project.



WE WORK CLOSELY WITH YOU

We draw on our extensive product portfolio and collaborate with our customers to develop individual ventilation and air conditioning solutions for both new and refurbished buildings.

Whether it is a matter of ventilation systems for laboratories, the development of architectural multi service chilled beams or decentralised ventilation solutions – the TROX tradition of close collaboration with its customers has been proven time and again.



BIM DATA

It has become a buzzword at home and abroad – Building Information Modelling, or BIM. But what exactly is it?

Interdisciplinary building design and construction, computer-aided, and with all trades working on the same data model: This is what BIM is about.

While there is no doubt about the need for BIM, there is also a lot of uncertainty with regard to data formats, levels of detail or instances of information. To benefit from the advantages of BIM and use it efficiently, the quality of the source data is essential for design and calculation. This is why TROX provides VDI 3805 compliant product data. The VDI 3805 guideline is the basis on which ISO 16757 is currently being established as the international standard for the description of product data.

This includes information on geometry, weight and material, but also product-specific data such as differential pressure, volume flow rate and sound power level.



APPLICATIONS

Our products and systems have been successfully installed in many buildings, including:

- Railway stations and airports
- Office buildings
- Shopping centres
- Restaurants
- Hotels
- Industrial buildings and laboratories

- Hospitals
- Trade fair halls
- Museums
- Ships
- Schools and universities
- Stadiums and gymnasiums
- Theatres and concert halls
- Tunnels

BENEFIT FROM OUR SERVICES



HOW TROX CAN HELP YOU.

The earlier TROX engineers become involved in the project design, the more resounding the success. The detailed design process in close collaboration with building owners, architects, specialist consultants and equipment manufacturers ensures reliability and cost control even for complex projects.

Our services:

- Architectural design solutions
- Concept development and optimisation
- Variant analysis
- Energy efficiency evaluation for buildings
- Cost effectiveness analyses
- Design
- Prototyping
- Performance tests (cooling, heating, acoustics, flow characteristics)
- Implementation

Advantages for you:

- Reduced construction period
- Reduced slab to slab height
- Simplified installation (plug and play)
- Quicker return on investment
- Fewer interfaces
- Less maintenance and operating costs
- Energy savings
- Flexible retrofit solutions
- Intelligent control due to integration with central BMS
- Reduced wiring
- Increased operational reliability
- Maximum flexibility with regard to configuration and technology