

DESIGN CONSULTANCY SERVICES TAILORED SOLUTIONS FOR NEW BUILDINGS AND REFURBISHMENT PROJECTS



We draw on our extensive product portfolio to develop in collaboration with our customers individual ventilation and air conditioning solutions as well as fire protection and smoke control concepts for both new and refurbished buildings.

Whether it is a matter of ventilation systems for laboratories, the integration of fire or smoke control dampers with central building management systems, the development of architectural air-water systems or decentralised ventilation solutions – the TROX tradition of close collaboration with its customers has been proven time and again.

As our customers, you come first. You may be an architect, specialist consultant or HVAC contractor who works towards a good, healthy indoor climate and strives to meet the highest safety requirements with each of your projects. And we are your reliable partner and provide you with components, devices and systems that help you meet all challenges – efficiently and sustainably.

Get in touch with us – the [TROX specialists](#) use their extensive know-how to deliver optimised solutions for each of your projects.



Our components, devices and systems have been most 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



The earlier the 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

Your advantage

- 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

DEVELOPMENT OF SWIRL DIFFUSERS FOR THE SANTOS DUMONT AIRPORT IN RIO DE JANEIRO



Airflow tests: Mock setup in the TROX research & development laboratory



Brazil: TROX swirl diffusers distribute fresh air to the halls and corridors of Rio de Janeiro's Santos Dumont Airport.