

# Cable and pipe seals for data centers





## Superior sealing solutions

Save time and energy while securing reliable operation and business continuity. Benefit from the world's most innovative and flexible cable and pipe transits.

We offer a long-term partnership to protect your data centers and server halls against multiple risks such as fire, flooding and air leakage. By providing smart and certified solutions, we help you ensure

safety and efficiency during construction. We also enable expansion and contribute throughout the lifecycle of your facility.

**Roxtec seals are more than a firestop.**

[roxtec.com/datacenters](https://roxtec.com/datacenters)

# "We use Roxtec seals wherever we need first class protection."

Jan Jansson, Tieto

## Optimize air management

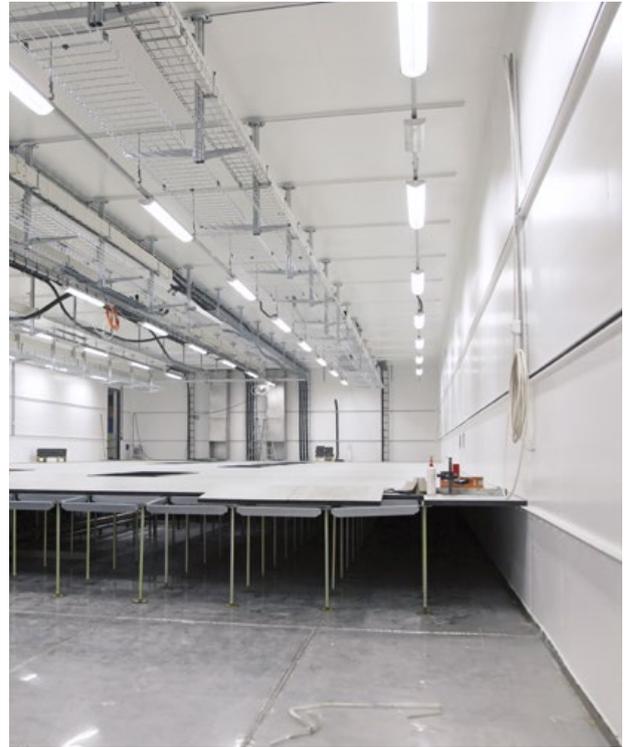
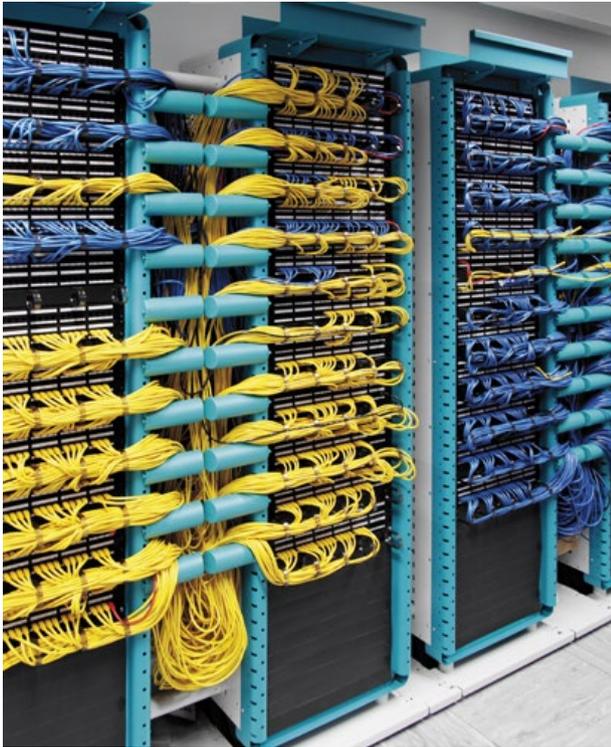
Our air-tight system provides excellent possibilities for a sustainable use of air-conditioning and cooling systems. You can control the facility climate and temperature, eliminate risks for equipment and reduce your energy costs.



## Expand while operating

Our openable and adaptable seals are ideal for scalable and growing modular or containerized data centers. Thanks to the built-in spare capacity, you can handle last-minute design changes or increased server density. You can even perform retrofit work without having to shut down any services or add any material costs.





# Seals for all applications in data center projects

Designers, construction companies and operators all over the world standardize with the Roxtec sealing system in data centers and server farms as it covers all sealing needs and requirements.

## Enclosures

- Panels
- Cabinets
- Equipment
- Junction boxes

## HVAC systems

- Air-conditioning
- Cooling systems

## Power supply

- Switchgear
- Transformers
- Generators

## Building structures

- Foundations
- Floors
- Walls
- Roofs



# Outstanding solutions

Roxtec sealing modules are inserted around cables or pipes in frames that are attached to the structure by welding, bolting or casting. The frames are available in different materials and for any type of structure. The system is sealed with a compression unit.

## Roofs, walls and floors

Route all cables and pipes through the same opening. Our transits are available for underground use as well as for retrofit around existing cables and pipes.

- Quick and easy to install and reinstall
- Excellent cable retention capabilities
- Solutions for constant water pressure
- Air-tight, gas-tight and smoke-tight



## Cabinets, panels and equipment

Handle high cable density in your supply systems, enclosures and junction boxes. Our seals also offer you the option to ensure bonding, grounding and protection against lightning strikes and EMI.

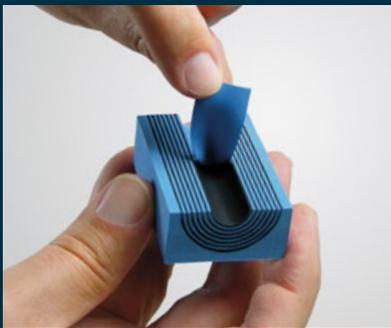
- Compact, light-weight replacement to cable glands
- Design one single cut-out and save a lot of space
- Use pre-terminated cables and reduce installation time



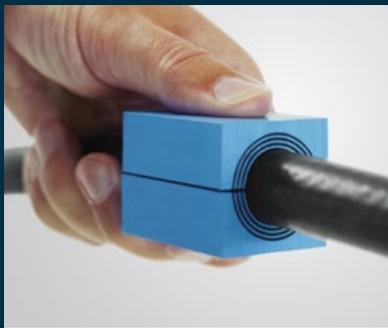
# Multidiameter™ by Roxtec

This unique solution simplifies design, installation and inspection. Avoid surprises onsite due to late changes and reduce the number of inventory items. The spare modules are always ready for upgrades and to handle high cable and pipe density.

Roxtec ensures a perfect fit, regardless of the dimension of the cable or pipe.



Roxtec Multidiameter™ is an innovation for flexibility based on removable layers.



It makes the mechanical system adaptable to cables and pipes of different sizes.



With only a few parts you get a strong reliable barrier securing operational performance.

The Roxtec sealing system is resistant to:

- Gas and air pressure
- Fire and smoke
- Water and fluids
- EMI
- Pests and rodents
- Dust
- Cable bending load
- Blast load



## Customized solutions

Customization according to specific needs is part of our service concept. Our designers, engineers and test technicians are always ready to take on your sealing challenge – even if it requires the creation of a new solution. Our certified system is often the base for our tailor-made seals, as we can supply it in other dimensions or materials or with special frames or modules. In many cases, we have already supplied a similar solution allowing us to respond very quickly to your request.

### **Roxtec at your service**

We are eager to use our expertise to help you extend the life of your data center and maintain its value for years to come. We provide design services, help you choose the right solution and support you onsite by conducting visual inspections to make sure your Roxtec penetration seals meet safety requirements and official regulations.



## Developing for safety

Having extensive research and development resources, including a technical center and a material development lab, we can work closely together with your team to develop and improve seals. We also have

advanced fire and test labs where we perform tests to support the product development. The Roxtec system is, for example, tested for pressure, climatic changes and electromagnetic threats.

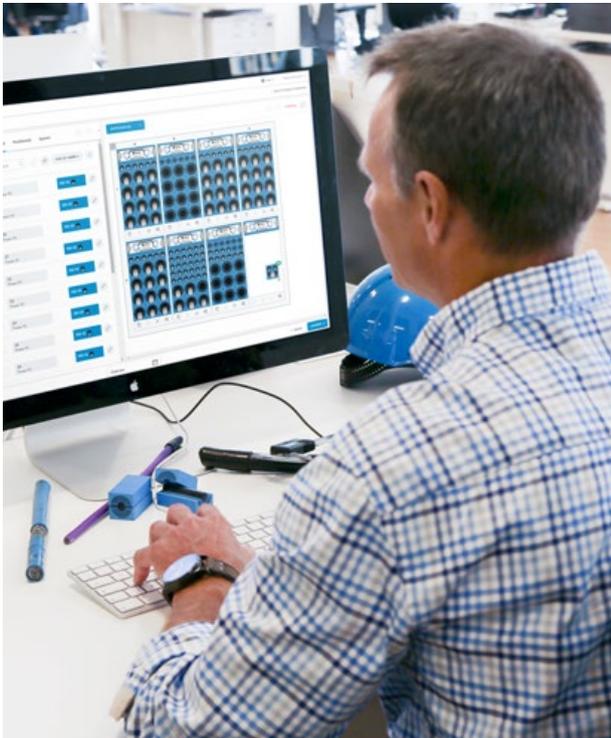
### Roxtec support throughout the lifecycle of your project



More on [roxtec.com](https://www.roxtec.com)

“By importing data into the Roxtec software, we saved several weeks – if not months.”

Gary Jennings, Lead Electrical Designer of Wood Group Mustang



## Smart engineering tool

Roxtec Transit Designer™ is your shortcut to safety and efficiency. This free, online tool simplifies product selection and the entire process that surrounds cable and pipe transits. Just enter your input and it provides you with full documentation. Generate hole-cuts, drawings and documents in minutes!

- Free web-based application
- Simple product selection
- Tens of thousands of users in 100+ countries

### Simple user input:

Cable/pipe schedule or estimates  
Sealing/certification requirements  
Installation preferences  
Material quality selection



### Automatically generated output:

2D drawings in DXF and PDF  
3D STEP  
Bill of material in Excel  
Installation instructions  
Certificates

Sign up for Roxtec Transit Designer™ at [roxtec.com](http://roxtec.com)



## **Roxtec is a global company with a strong local presence**

You can always reach a Roxtec representative in your region. We are present all over the world to ensure everything from quick support to smooth logistics and just in time deliveries from local stocks. It is our job to help you succeed if there are late changes in design or production requirements.

Reach your Roxtec contact via [roxtec.com](https://www.roxtec.com)

# Protecting life and assets

Roxtec is the world leader within flexible cable and pipe transits. Since the start in Sweden in 1990 we have grown successfully to cover all continents. Our passion is innovative sealing solutions, and our goal is to make our world a safer place.

- Extensive R&D resources and advanced test facilities
- Inventor of Multidiameter™
- Customers in more than 80 markets