

Cable and pipe transits for the wind energy industry





The all-inclusive sealing solution

Make sure you maintain optimum operating conditions at all times. Standardize with the world's most innovative and flexible cable and pipe entry seals.

We offer you a long-term partnership to protect your onshore and offshore wind farms against multiple risks. Our standardized and tailor-made solutions cover all sealing requirements for different appli-

cations in the wind turbines, from control cabinets to components such as generators and converters. By providing a complete solution, we contribute throughout the entire lifecycle of your wind farm.

Your global one-stop shop for safety and operational reliability.

roxtec.com/power

“Roxtec transits provide a practical and reliable way of achieving first rate protection.”

Michael Larsen, Siemens Wind Power

Increase efficiency

Rest assured that our user-friendly sealing system is familiar to wind industry designers, engineers and installers worldwide. We are your local partner when it comes to standardizing for certified safety in international projects – and we have an unbeatable ability to modify and create transits according to your needs.

- Design services and support
- Broad product range of standard solutions
- Flexible for customization
- Easy to install and inspect
- Simplifies quick maintenance



Catch the weather window

Roxtec solutions are developed to minimize the need for spare parts and logistics. Thanks to the flexible system, you can easily perform service and upgrades when the opportunity occurs and weather allows.





Seals for any kind of wind energy project

Wind turbine manufacturers and wind farm operators all over the world select the Roxtec sealing system as it covers all their needs.

Solutions for wind turbines

- Nacelle entries
- Generators
- Transformers and converters
- Cabinets in all areas
- Slip ring solutions
- Cable management
- Retention systems
- Tower entries

Solutions for onshore wind farms

- Turbine foundations
- Transformer kiosks
- AC collector substations

Solutions for offshore wind farms

- Monopile foundations
- Jacket foundations
- Floating foundations
- Transition pieces
- Transformers
- HVDC converter stations
- AC substations
- Gas-insulated switch areas (GIS)
- High, medium and low voltage cables
- Pipes
- HVAC systems



Outstanding solutions

Underground seals

Protect your site against constant water pressure. Eliminate humidity and avoid the risk of partial discharge.

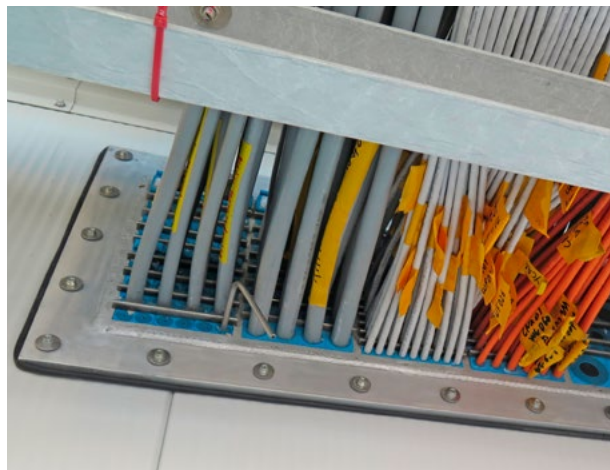
- Easy to install even in running water conditions
- Excellent cable retention capabilities
- Gas, corrosion and rodent resistant



Multi-cable transits

Seal several cables in each opening. The transits are available in different materials and for any kind of structure.

- Separation of cable categories
- Fire, gas, water and pressure resistant
- No spare parts needed for upgrades



Pipe penetration seals

Prevent fire, gas and water from spreading. Use the transits for new pipes or for retrofit around existing pipes.

- Fast single-side installation
- Seal cables and pipes of different sizes in one opening
- Perfect for retrofit



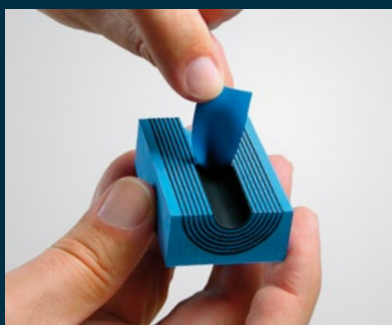
Cabinet seals

Handle high cable density in your enclosures and junction boxes. Ensure bonding, grounding and protection against EMI.

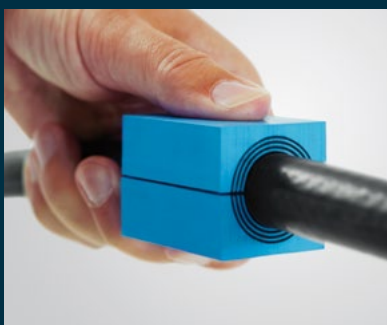
- Light-weight replacement to cable glands
- Use one single cut-out and save a lot of space
- Quick and easy installation of pre-terminated cables



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

The Roxtec sealing system is resistant to:

- Fire, A-0 to A-60
- Gas
- Water pressure
- Corrosion
- Cable retention and bending load

Roxtec transits work in harsh offshore environments, provide excellent cable retention underground and protect cables by damping vibration. We also provide fire rated light-weight solutions for sandwich panels and EMC solutions for bonding, grounding and protection of converters and drives against EMI.



Roxtec at your service

We are committed to safety and perfection – and eager to use our expertise to extend the lifecycle of your project and maintain its value for years to come. We work worldwide to provide design support and help you choose the right sealing solution, and we are proud to serve you with fast deliveries from our local stock.

Tailor-made sealing solutions

We have an entire team of first class designers, engineers and test technicians ready to solve your sealing problem – even if it requires the creation of a new solution.

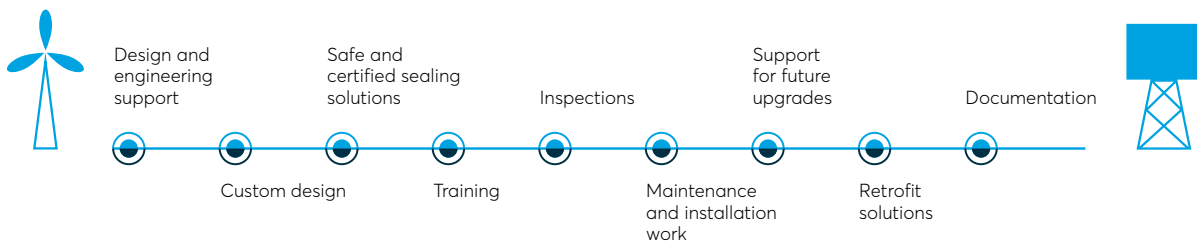


Your long-term partner

With more than 15 years of experience in the on-shore and offshore industries we have the know-how to help you solve the most challenging cable transit needs. We support you with our expertise onsite and conduct visual inspections to see if your penetration seals meet safety requirements and official regu-

lations. To further enhance your risk management, we include installation training sessions, corrective action recommendations and maintenance work in our full line of offerings.

Roxtec support throughout the lifecycle of your project



More on roxtec.com

"We save a lot of time, up to 80 percent, especially when changes are needed."

Niels Amundsen, Chief Process Officer at Odense Maritime Technology A/S



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. Our solutions are available in Eplan and Intergraph Smart 3D. 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



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 engineers and contractors 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
- Customers in more than 80 markets
- Inventor of Multidiameter™