

# GLOBAL NEWS

ROXTEC – MARKET LEADER IN MODULAR-BASED CABLE AND PIPE SEALS

www.roxtec.com



## Peace of mind in extreme environments

**Roxtec cable and pipe seals** are used worldwide, in many different industries and applications. The need for safety, efficiency and operational reliability is omnipresent, and it is amazing to see the important role Roxtec components

play in a wide variety of great projects. You find Roxtec seals in extremely demanding environments – from clean rooms and underground facilities through to offshore wind farms and dancing fountains. Even if you are planning your next

project challenge in Antarctica, you can rely on Roxtec sealing solutions!

### ISSUE 2/2011




#### Solutions for supply ships

 Ulstein Shipyard exports a supply ship concept to shipyards all over the world. It includes perfection down to component level. Acting in the forefront of technology to meet increasing demands for safety and capacity, Ulstein cooperates with Roxtec within cable and pipe transits. "We work with Roxtec since ten years and are very satisfied. They always come up with good sealing solutions," says Dagbjørn Myklebust, Project Coordinator of Ulstein Elektro Installation A/S.



#### Launching innovative solution

 The new Roxtec BG™ solutions are developed for bonding and grounding of metal clad or armored cables. They also provide protection against weather, blast, rodents and fire.  
*Read more on page 2.*

# Top performance in extreme Antarctic conditions

**Roxtec seals are protecting people and equipment from a wide range of risks in the Belgian Princess Elisabeth Station in Antarctica.**

As a global company with high ambitions within safety and environment, Roxtec is proud to be part of the first "zero emission" polar research station. The International Polar Foundation, IPF, promotes research activities in order to contribute to a better understanding of the Earth's climate system and the main mechanisms behind climate change.

### Environmental research

To show how humanity can handle the energy challenges of today, the foundation also creates practical demonstration projects – such as this unique research platform. The project was supported by privately owned companies as well as the Belgian federal government. One aim is to develop better climate models for decision-makers worldwide.

### Using renewable energy

The research station is built to operate entirely on renewable energies during



its estimated lifetime of minimum 25 years. It has a specially designed water treatment unit and is powered by wind and solar power systems. The passive building's insulation, shape, orientation and window disposition allow for a good temperature inside – even when it falls down to -30°C.

### Sealing for the future

Sophisticated ventilation and air circulation systems are an integral part of temperature management as well, and cable and pipe sealing is an important factor. Roxtec G frames and explosion-proof solutions are used in transits to the battery room inside the

research station. Roxtec transits for cables to the wind turbines and solar energy panels are also found in the 50 cm thick wooden construction walls.

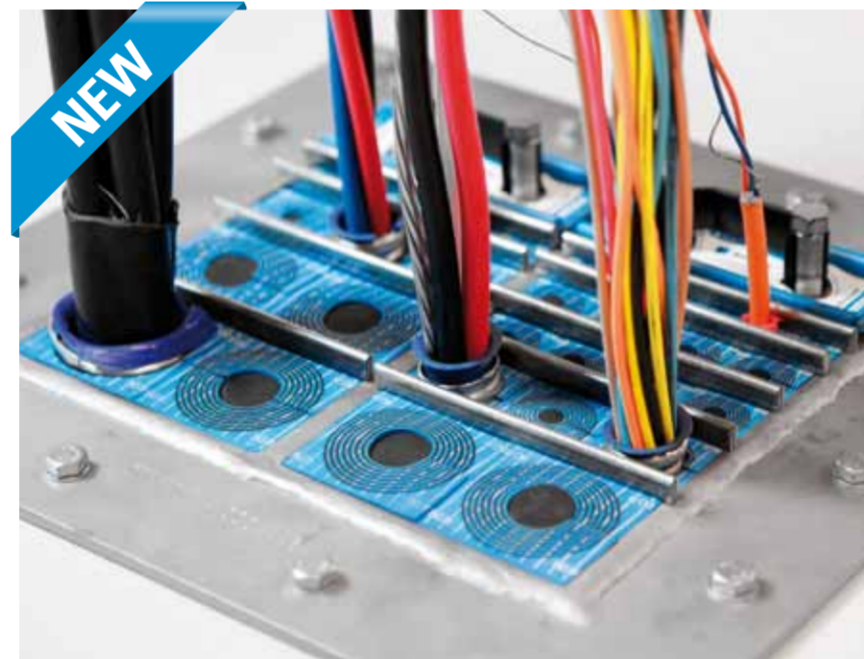
## Roxtec BG™ – the solution for electrical safety

"With our new solutions, you can efficiently seal, bond, and ground large quantities of cables in the least amount of space. Users all over the world will save design and installation time while reducing overall costs," says Allen Gibson, Roxtec Global Segment Manager Onshore Oil & Gas. The new Roxtec BG™ cable entry system is fire rated and gas- and water-tight. It is certified to meet all major international electrical schemes with

bonding and grounding for low to high voltage applications. It is certified for hazardous (Ex) locations and tested for lightning protection applications.

### Designed to save space and money

Roxtec BG™ solutions are up to 70% more area efficient than cable glands and work as a direct replacement to glands. A single cut-out for a standard Roxtec kit in a building structure, cabinet or electrical enclosure can accommodate up to 32 cables – and replace 32 cable glands! Roxtec BG™ solutions thereby allow for the size and weight of cabinets to be greatly reduced. The product family was primarily developed to cover the safety needs of oil projects in Canada.



### FROM THE ROXTEC WORLD

#### Prestigious underground project

The new U4 underground line in Hamburg in Germany is a key link in the development of the magnificent HafenCity area. Connecting the waterfront with the existing center and U-Bahn lines, the U4 passes under the river Elbe and the Alster basin. Roxtec cable penetration seals are specified to handle the extreme demands for water-tightness.



#### Roxtec in pole position

The Moscow Raceway circuit will be the first racetrack in Russia to host Formula 1. It has to live up to the expectations of star drivers, of 100,000 onsite spectators – and of a global television audience exceeding 650 million. Since this multifunctional sports complex has to be fully operational at all times, the power cable penetrations are sealed with Roxtec.



# The world's largest offshore wind farm

**Roxtec seals are used in the world's first 1GW wind farm – the London Array scheme in the Thames Estuary.**

The project will supply enough power for around 750,000 homes – or a quarter of Greater London homes – and displace the emission of 1.9m tons of CO2 every year. Working with Siemens Transmission and Distribution Ltd on two substations, which will manage the power distribution from the wind farm, Roxtec developed a bespoke fire and ingress seal for multiple high voltage cables at the point they enter the floor or deck. To meet the demands of the harsh offshore environment, Roxtec conducted tests in its in-house facility to ensure that the products were certified safe for use.

### "Incredibly flexible"

According to Siemens' offshore project manager Richard Horan, Roxtec's approach took a lot of pain out of the project: "We were really impressed by Roxtec. In reality we bought a product – but what we also got was many weeks of engineering time too. This was invaluable. We brought them in at an early stage because they had a 'can do' attitude to the challenge of



sealing cables on the bottom deck." Mr Horan says that Roxtec remained "incredibly flexible" throughout the design and build process: "The specification changed a number of times and instead of complaining they adapted. Again this reflected their helpful attitude. They really know what they are doing." Roxtec safety seals are also used in



the wind turbines themselves – in the generator system, the switch room, the converter, the tower, the nacelle, the transition pieces and the control cabinets.

Courtesy of London Array Ltd



### Safe gas storage

When the capacity of the natural gas storage facility in Loenhout, Belgium, was to be enhanced, Roxtec seals were specified – for the entire project. Gas transmission system operator Fluxys has been operating the storage facility for over 20 years. Fluxys stores the gas 1,300 meters underground and use it to offset seasonal fluctuations in consumption. Roxtec has followed and supported the entire project, listening to specific needs and helping out with special solutions.

### Roxtec won EcoOnline award

EcoOnline provides systems for improving working environments, analyzing risks and smart handling of chemical raw materials. Roxtec won the EcoOnline award in the category "Chemical Register of the Year". Roxtec has been able to implement the system in a very short time and managed to eliminate the use of possibly harmful chemicals. Håkan Brede, Quality & Environment Manager, received the prize at an event in Gothenburg, Sweden.



## Seals for dancing fountains

The Tsaritsyno Fountain is a great attraction in the romantic Tsaritsyno Park in Moscow. Newly married couples and visitors from all over the world enjoy watching the fountain, where the water and colorful lights are dancing to the music.

Roxtec cable seals play an important role by ensuring the operational reliability of the electronic equipment behind the show. The seals, which must be watertight, are used in the wall between the fountain and the control room. Blue modules are also seen in the fountain on top of metal boxes containing pumps and equipment. "Roxtec seals are better in quality and price than other seals. It is important for us to have the ability to remove and

install additional cables," says Taras Svinarchuk, electrical installer of the award-winning design company ADLINE LLC, which is specializing in illumination and decoration of cities as well as in the composition and construction of artistic fountains.



# Roxtec at trade shows

Exhibitions/Fairs	Date	Segment	Place
Energy Expo Ahmedabad	2011-12-01 – 2011-12-03	Power	Ahmedabad, India
Biogas 2012 Annual Conference and Trade Fair	2012-01-10 – 2012-01-12	Oil & Gas	Bremen, Germany
Pacific 2012	2012-01-31 – 2012-02-03	Marine	Sydney, Australia
SEPEM	2012-01-31 – 2012-02-02	All segments	Avignon, France
Electricity, Telecommunications, Light and Audio Visual	2012-02-01 – 2012-02-03	OEM, Construction, Telecom	Jyväskylä, Finland
Shipping, Marine and Ports World Expo	2012-02-08 – 2012-02-11	Marine	Mumbai, India
SEATEC	2012-02-08 – 2012-02-10	Marine	Carrara, Italy
EXPO FERROVIARIA	2012-03-27 – 2012-03-29	OEM, Construction	Turin, Italy
Light & Building	2012-04-15 – 2012-04-20	OEM, Construction, Telecom	Frankfurt, Germany
Hannover Messe	2012-04-23 – 2012-04-27	Power, OEM, Telecom	Hannover, Germany
OTC	2012-04-30 – 2012-05-03	Oil & Gas	Houston, USA
IFAT	2012-05-07 – 2012-05-11	Construction	Munich, Germany
CTIA	2012-05-08 – 2012-05-10	Telecom	New Orleans, USA
Automatica	2012-05-22 – 2012-05-25	OEM	Munich, Germany
Navalia	2012-05-22 – 2012-05-24	Marine	Vigo, Spain
Global Petroleum	2012-06-12 – 2012-06-14	Oil & Gas	Calgary, Canada

## Roxtec worldwide:

- Sweden**, Roxtec International AB, HQ
- Argentina**, INGIAR Representaciones SRL
- Australia**, Roxtec Australia Ltd
- Belgium**, Roxtec b.v.b.a/s.p.r.l
- Brazil**, Roxtec Latin América Ltda
- Chile**, FACOR Ltda
- China**, Roxtec International Trading (Shanghai) Co. Ltd
- Croatia**, Roxtec d.o.o.
- Czech Republic**, Roxtec CZ s.r.o
- Denmark**, Roxtec ApS
- Finland**, Roxtec Finland Oy
- France**, Roxtec France
- Germany**, Roxtec GmbH
- Hungary**, Glob-Prot Trade and Service Ltd
- India**, Roxtec India Pvt Ltd
- Italy**, Roxtec Italia S.r.l
- Japan**, Roxtec Japan K.K
- Kazakhstan**, Company ECOS
- Lithuania**, SWELBALT
- Mexico**, Roxtec de México, S.A. de C.V
- Nigeria**, Structured Resource Business Ltd
- The Netherlands**, Roxtec BV
- Norway**, Roxtec AS
- Peru**, Synixtor S.A.C
- Poland**, Pionet Sp.zo.o
- Portugal**, Glacis, LDA
- Russia**, Roxtec RU
- Romania**, Roxtec RO s.r.l.
- Singapore**, Roxtec Singapore PTE Ltd
- South Africa**, Roxtec Africa (PTY) Ltd
- South Korea**, Roxtec Korea
- Spain**, Roxtec Sistemas Pasamuros S.L
- Switzerland**, Agro AG
- UAE**, Roxtec Middle East F.Z.E
- UK/Ireland**, Roxtec Ltd
- USA/Canada**, Roxtec Inc


For other markets and detailed contact information, please visit [www.roxtec.com](http://www.roxtec.com)

## Happy holidays!




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### Securing research laboratory

 Roxtec supplies airtight cable and pipe seals to the new Medical Research Council Laboratory of Molecular Biology (LMB) building in Cambridge, UK. The LMB is one of the most prestigious research centers in the world, and the work of LMB scientists has led to nine Nobel Prizes. Biological containment laboratories are by their very nature hazardous. Roxtec products are capable of maintaining a gas-tight seal in both negative and positive pressure environments.



## Success at wind power show

 Roxtec attended the AWEA Windpower 2011 Conference & Exhibition in Anaheim, California, USA, with an impressive international team. 25 Roxtec representatives from several continents worked together to present Roxtec solutions during the show which was organized by the American Wind Energy Association. For Roxtec, AWEA Windpower was a world premiere for a booth shared with a cable manufacturer – Helukabel. According to Robert Stubb, Head of Wind Power Segment at Roxtec International, the event was “a fantastic success”.

## Offshore giants like Roxtec

 A team from Roxtec in the UK had the pleasure to show both well-proven and new sealing products during the Offshore Europe exhibition in Aberdeen, Scotland. Among the solutions presented were the Roxtec BG™ products. Many visitors were happy to discover new seals providing electrical as well as environmental safety. The event is the world's second largest upstream Oil & Gas exhibition with over 1,500 exhibitors and over 50,000 visitors.

## A customer's voice

“Roxtec is the only sealing solution I know that really works. Other solutions, like foam, are not good enough to keep the water out. The other day, we had a water level of one meter in the trench outside the new high voltage building. The Roxtec seals for the fiber tubing kept tight.”

*Eric de Bruyn  
 (right), Project  
 Leader of Fluxys,  
 Belgium.*

