

## Local presence worldwide

Roxel is the world-leading provider of flexible cable and pipe seals. Our adaptability solution, Multidiameter™, is based on modules with removable layers. It seals perfectly, regardless of the dimension of the cable or pipe. We are present on 70 markets worldwide in order to ensure local stock and product availability as well as quick support and supply.

Read more and find your local Roxel representative on [www.roxtec.com](http://www.roxtec.com).

## Ensure safety and reliability

Roxel cable and pipe transits are used by ship-builders all over the world. Our sealing solutions bring superior protection and simplify modifications.

### Certified protection

Our seals protect people and investments against risks caused by fire, gas and water and help you reduce vibration, noise and overall weight. Our seals are certified by all major classification societies.

### Easy to use

Roxel sealing solutions are developed to simplify design, speed up installation work and minimize the need for stock and logistics. With fewer items, you can keep down the total cost of ownership.

### Efficient upgrades

Our transits are adaptable to cables and pipes of different sizes and materials. They also provide built-in spare capacity for quick and cost-efficient retrofit, which is beneficial during the entire ship operation.



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## Applications for Roxel transits on Cargo ships



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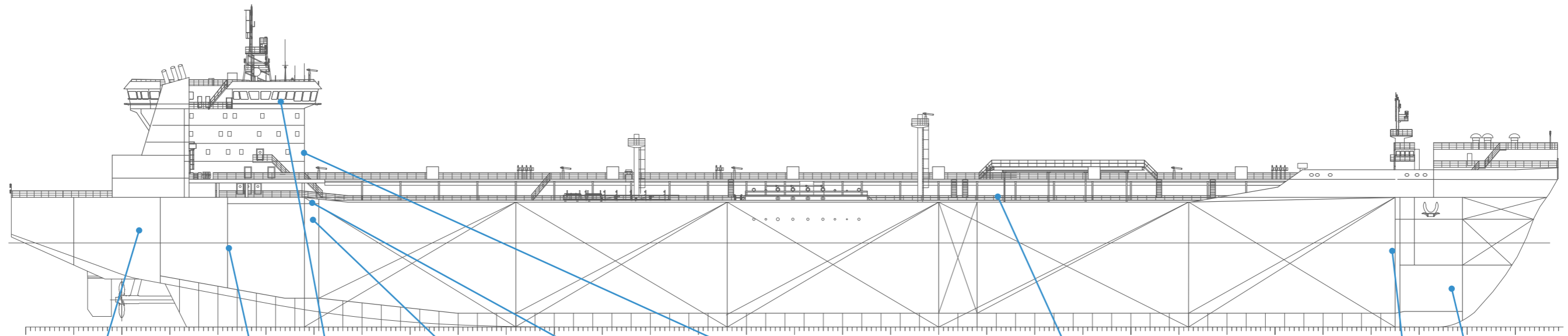
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We Seal Your World™

# Roxtec solutions onboard Cargo ships

Discover some of the applications for our flexible cable and pipe transits.

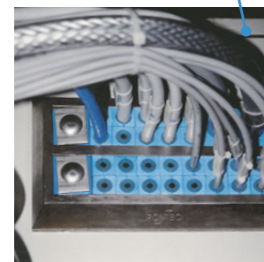


## Pipe transits for decks and bulkheads

Pipe seals for fire protection of openings mainly for potable, grey, black and chilled water systems in different pipe materials

### Values

- Area efficient pipe solutions
- Built in capacity for future modifications/retrofits
- Single-side installation even for plastic pipes
- Reducing pipe system noise and vibrations



## Engine control room

Compact seals to protect pre-terminated cables going in and out from cabinets

### Values

- IP protected solution
- Area efficiency
- Built-in capacity for future cable modifications
- Available in EMC version



## Bridge deck/Wheel house

Deck transit solution for cables

### Values

- Flexible sealing solution
- Certified fire/smoke protection
- Prepared for future modifications

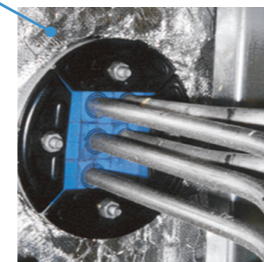


## Engine room

Bulkhead and deck penetrations

### Values

- Easy to install and modify during new building and retrofit
- Same module is adaptable to a range of diameters
- Fire- and water-tightness
- Available in EMC version



## Bulkheads and/or decks

Round transit solution when there is a need for a limited number of cables or pipes

### Values

- Area efficient solution
- Certified protection against fire, smoke and water
- Prepared for future modifications
- Reducing any pipe system vibrations



## Outer lighting

Round seals for single wires mainly through outer bulkheads for external lighting installations

### Values

- Area efficient lighting solution
- Fire- and water-tightness
- Multidiameter™ by Roxtec

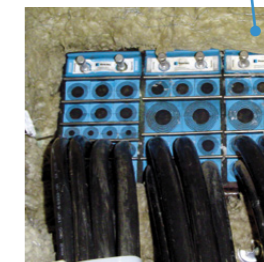


## Deck area transits

Round seal for hydraulic, pneumatic and other pipes

### Values

- Certified protection against fire, smoke and water
- Area efficiency
- Multidiameter™ by Roxtec
- Reducing any pipe system vibrations



## Gas-tight areas

Single-side or back-to-back transits allowing tightness verification (tankers, LNG ships and similar)

### Values

- Certified protection against fire, water, gas and smoke
- Back-to-back allows pressure test in the transit
- Multidiameter™ by Roxtec



## Stress exposed bulkhead

Frame solutions with rounded corners to reduce stress in bulkheads around cable and pipe penetrations

### Values

- Safe solution in stress exposed and demanding areas
- Certified protection against fire, smoke and water
- Future capacity included