

**Industrial** Solutions

# RETROFIT FOR WIND TURBINES

Lighting solution for standards-compliant continued operation.

**SAFE, FAST AND PLUGGABLE –  
THE ALL-IN-ONE SOLUTION**

We can modernize the lighting for your wind turbine. Our all-in-one solution comprises, besides the cabling architecture, a reliable LED solution and uninterruptible power supply for maximum efficiency. Perfectly suitable for fast, tool-free installation and low-maintenance operation.

**RST® DISTRIBUTION BLOCK**

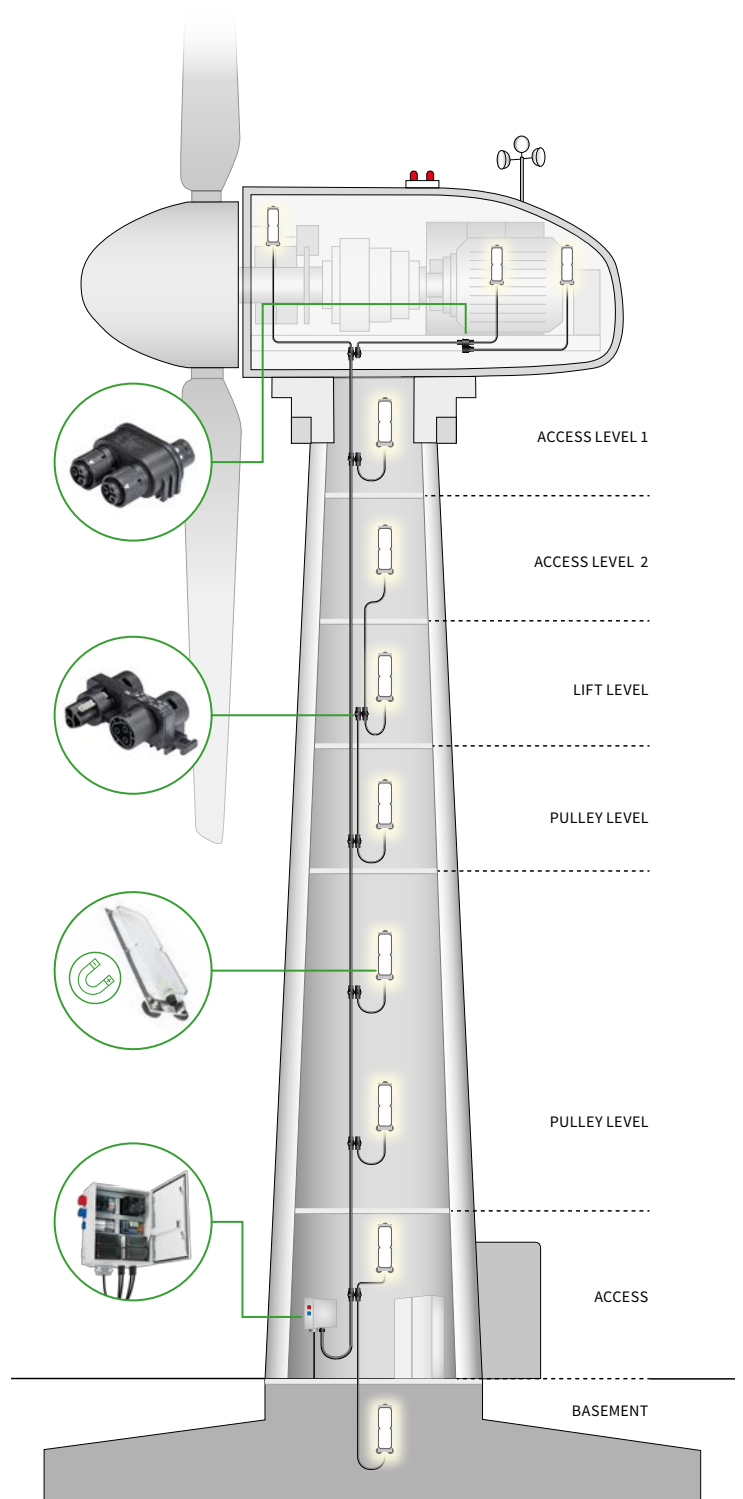
Pluggable electrical installation for even the most demanding industrial environments.

**PODIS® LED LUMINAIRES**

Pluggable and low-maintenance lighting with magnetic fastening to the tower wall.

**UNINTERRUPTIBLE POWER SUPPLY**

Centralized uninterruptible power supply ensures cost-efficient system operation and simple battery change for maintenance.



# SHORT INSTALLATION TIME, LONG PERIOD OF OPERATION

Smart lighting solutions with efficient, durable components



## RST® MINI AND RST® CLASSIC PLUGGABLE DISTRIBUTION BLOCKS

- Time-saving, tool-free plug+play installation
- Pre-assembled and also color-coded and mechanically keyed for safe, error-free assembly
- Protection rating IP66/68 (3m;2h) /IP69



## MAINTENANCE-FREE PODIS® LED LUMINAIRES

- Time-saving, tool-free installation with pluggable connection technology and magnetic fastening
- High-grade material components for a long period of operation
- Resistant to shocks, vibrations and extreme temperatures from -40 to +50 °C



## UNINTERRUPTIBLE POWER SUPPLY

- Stable voltage supply for high availability safety lighting
- Centralized installation and extensive diagnostic capabilities for simple, predictive maintenance
- Adaptable buffer times according to country and output

## ONE TOWER – ONE DAY

Complete installation inside one day – taking a Vestas V80 as an example (year of construction 2004)\*

COMPONENTS	TECHNICAL FEATURES
UPS cabinet	Primary side: 1-phase 230 V AC supply voltage Secondary side: 24 / 48V DC or 230V AC
LED luminaires	24 - 60 V DC or 230 V AC
Infrastructure cabling	Example - Ölflex Classic 3G 2.5mm <sup>2</sup> with RST pluggable connector system (other cable types possible on request)
Plug-in connection system	RST round cable connector for harsh environments

\* in tests with 3 people in a 106 m high tower.



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