

## Slip Ring Applications:

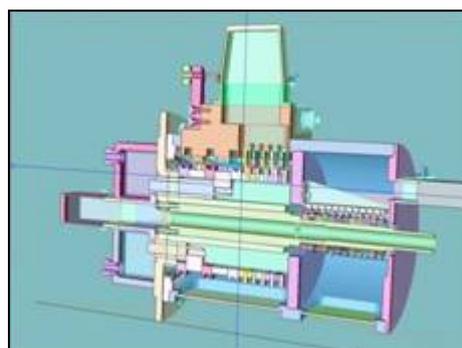
- Crane
- Wind Turbines
- Pipeline inspection systems
- Rotary tables
- Amusement park carousels
- Bottle filling plants
- Video inspection systems CCTV
- Robots
- Packing machines
- Textile machines

## Application example: Slip Rings for Wind Turbines – customer specific versions



### Specifications:

- Customized compact and cost saving designs, outer diameter from 12 to 400 mm
- Transmission of high power rated current up to 2000 A
- Transmission of standard buses like CAN, Ethernet, Profibus, ASI-Bus, etc.
- Integration of encoders, heaters, connectors, assembled PCB's,
- Robust designs considering harsh environment as salty air, vibrations, temperature changes, etc.
- Optimized for a life time up to 20 years or 150 million revolutions, using proved contact technology



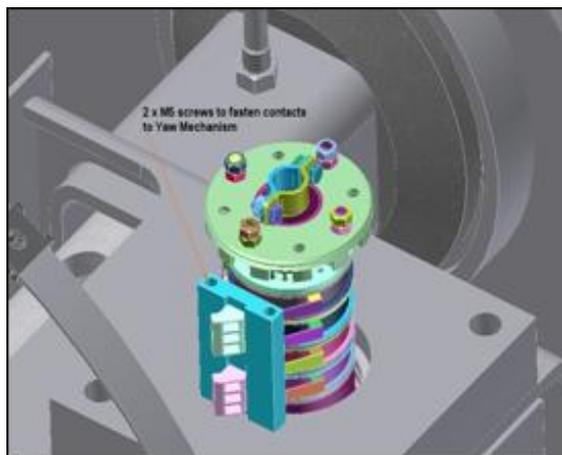
Pitch control and power transmission with heater for low temperatures



Pitch control



Pitch control with integrated encoder and heating



Pitch control