

Telemetry Application Examples

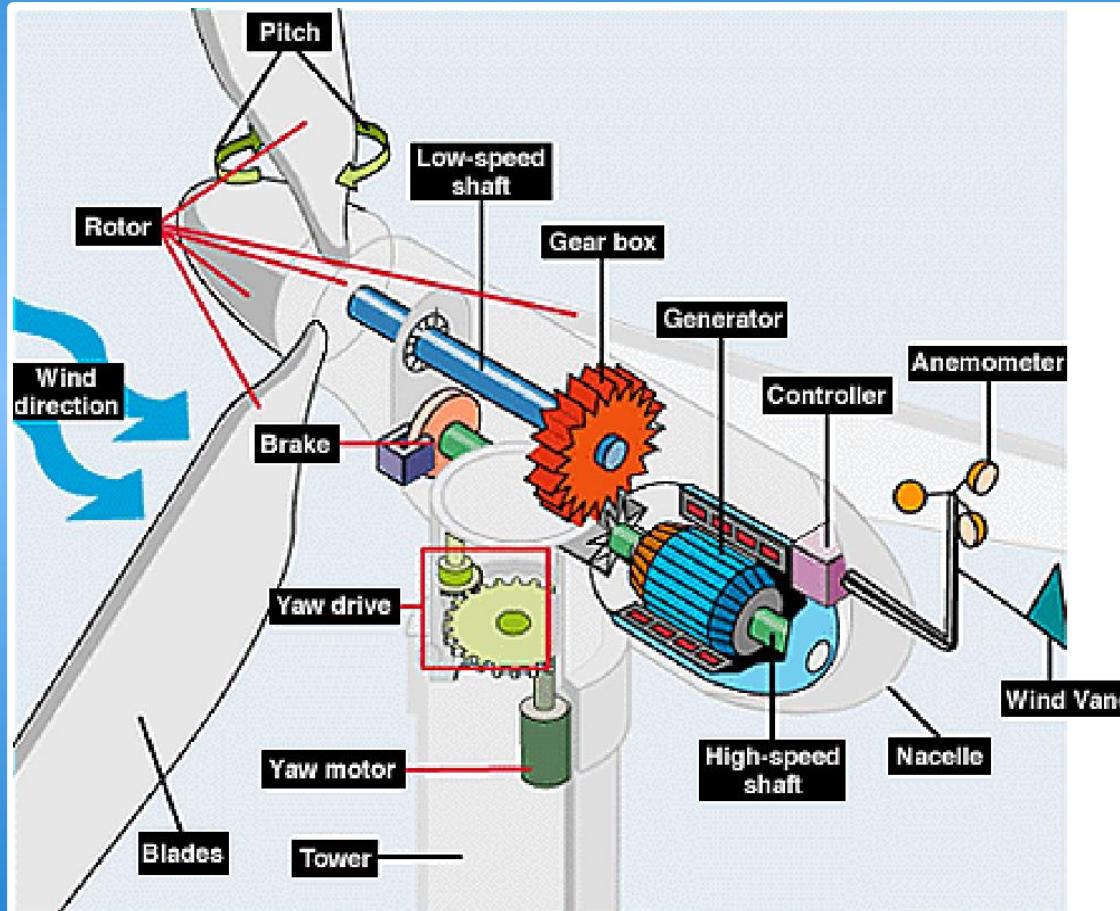
Measurements on wind- and hydropower turbines



with one- or multi- channel telemetry systems

Telemetry Application Examples

Measurements on Wind-Turbines with KMT

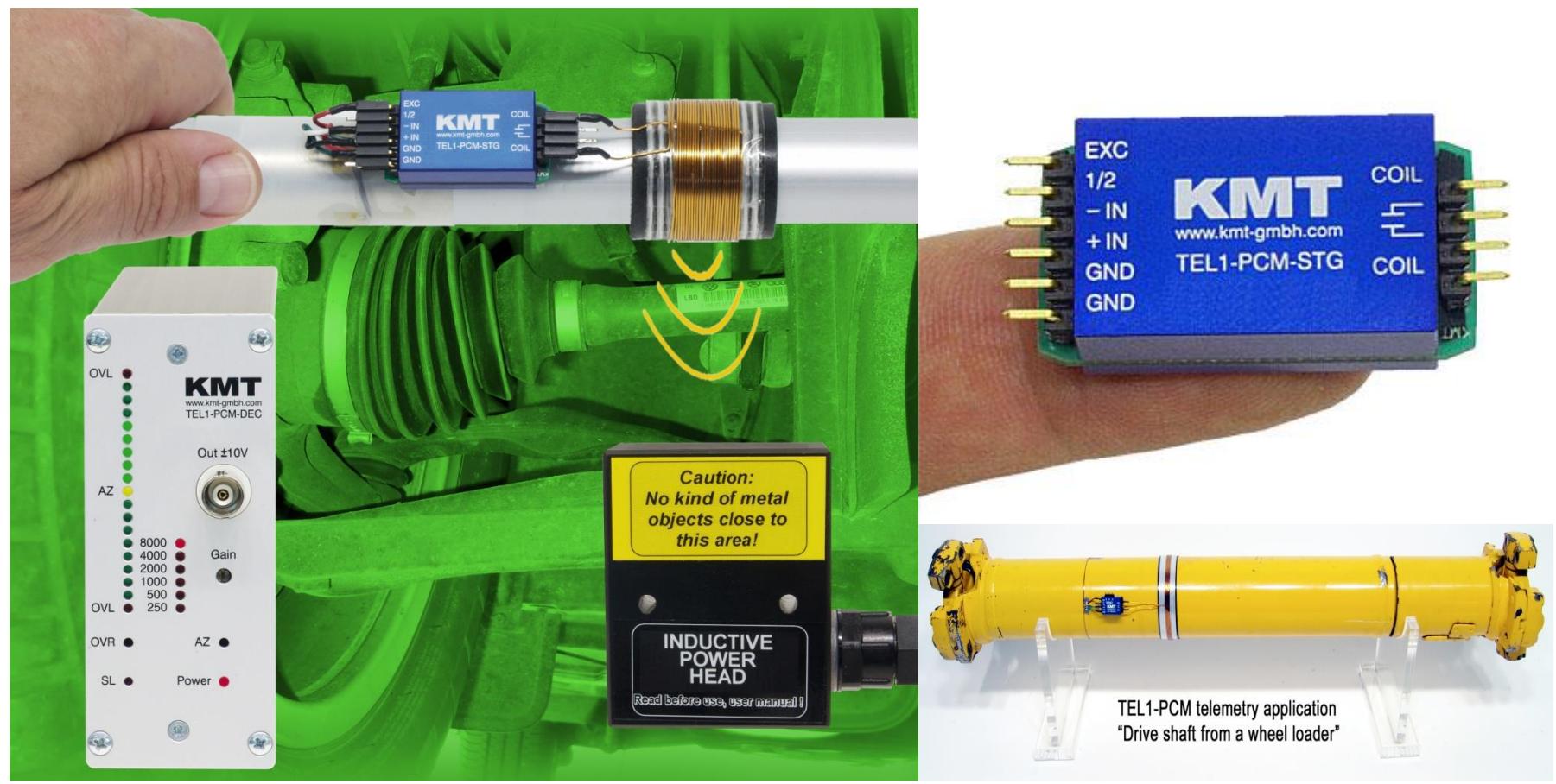


- * Torque on High-speed shaft with TEL1-PCM
- * Torque on Low-speed shaft with TEL1-PCM
- * Force on Blades with MTP Telemetry
- * Vibration on Blades MTP Telemetry
- * Force in Gear Box with MTP Telemetry

Telemetry Application Examples



Measurements on Wind-Turbines with KMT



TEL1-PCM – Torque Telemetry

Telemetry Application Examples



Measurements on Wind-Turbines with KMT



TEL1-PCM – Torque Telemetry
“torque measurement on high-speed shaft”

Telemetry Application Examples



Measurements on Wind-Turbines with KMT



TEL1-PCM – Torque Telemetry
“torque measurement on high-speed shaft”

Telemetry Application Examples



Measurements on Wind-Turbines with KMT

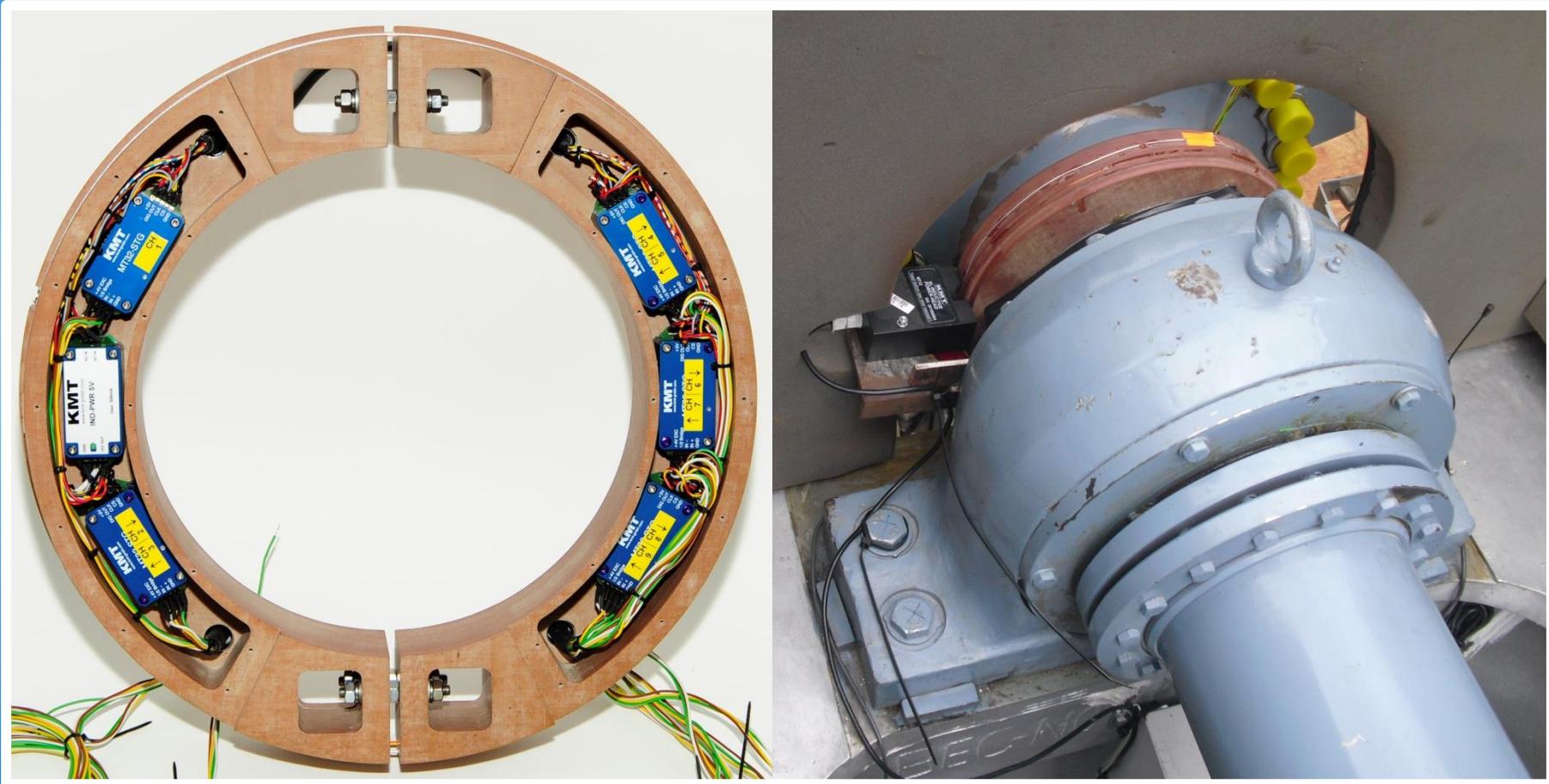


TEL1-PCM – Torque Telemetry
“torque measurement on low-speed shaft”

Telemetry Application Examples



Measurements on Wind-Turbines with KMT

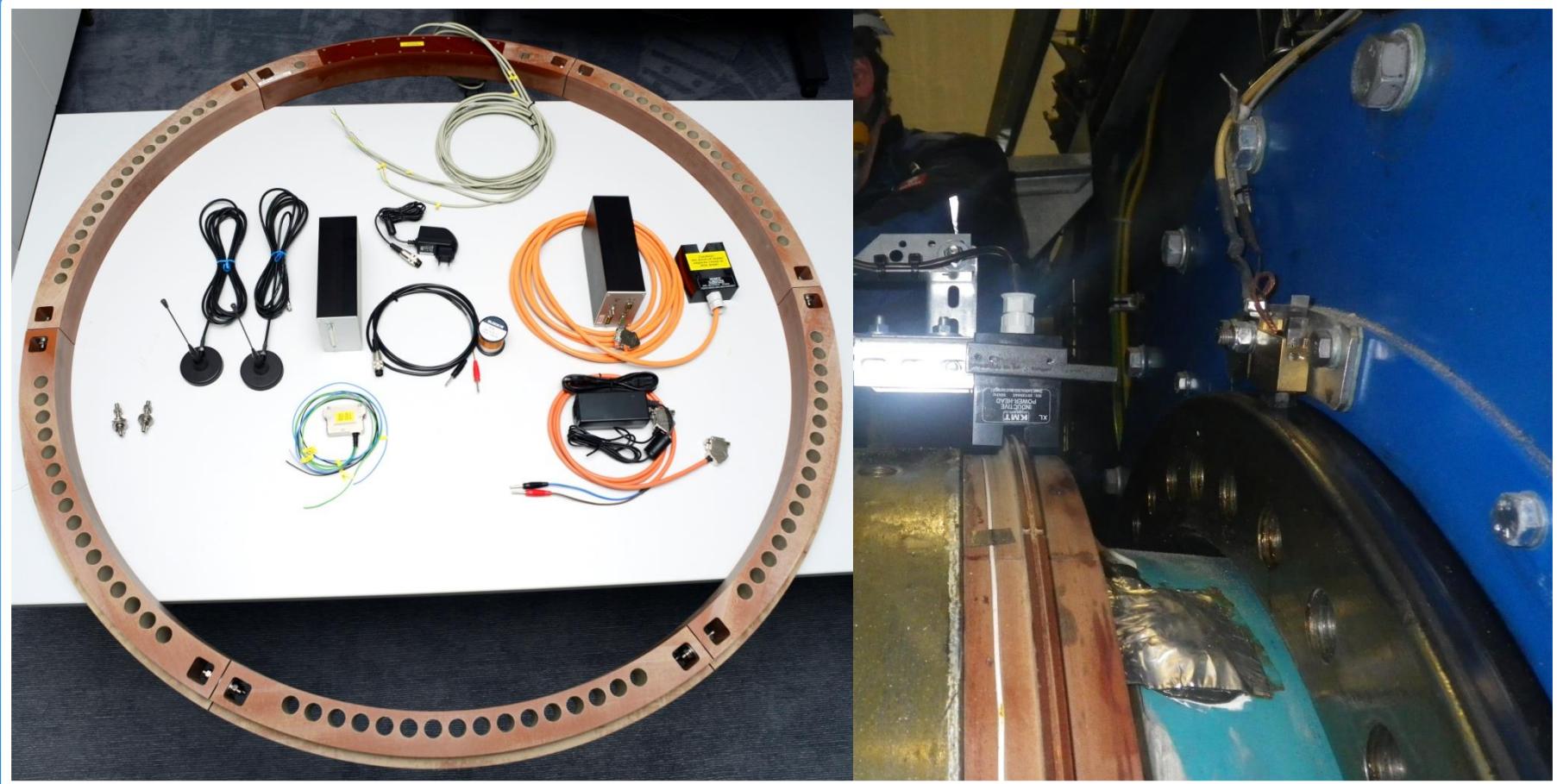


MT32 – Multi Channel Telemetry
“force measurement of blades”

Telemetry Application Examples



Measurements on Wind-Turbines with KMT

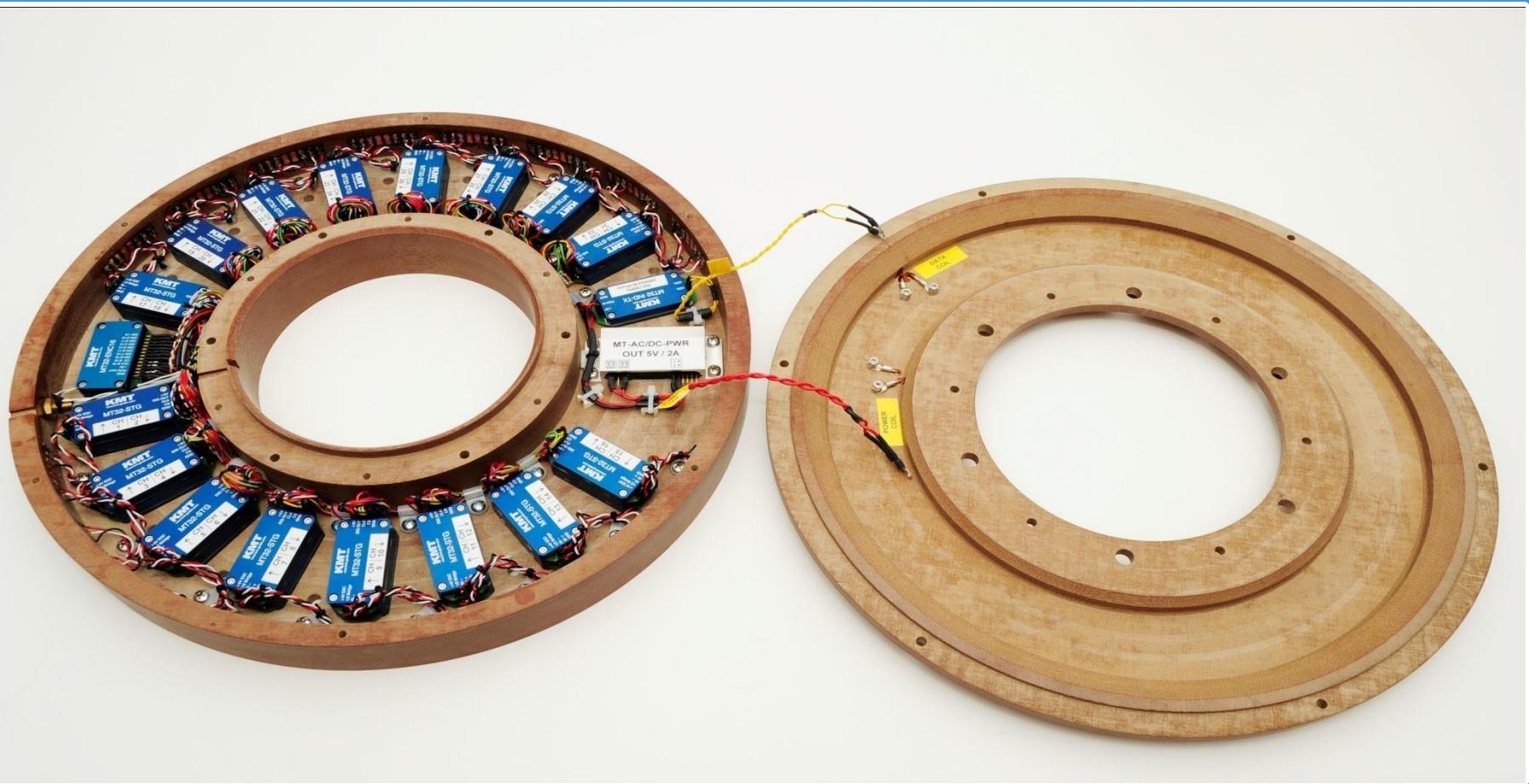


MT32 – 3-Channel Telemetry 1250mm
“force measurement of blades”

Telemetry Application Examples



Measurements on Wind-Turbines with KMT

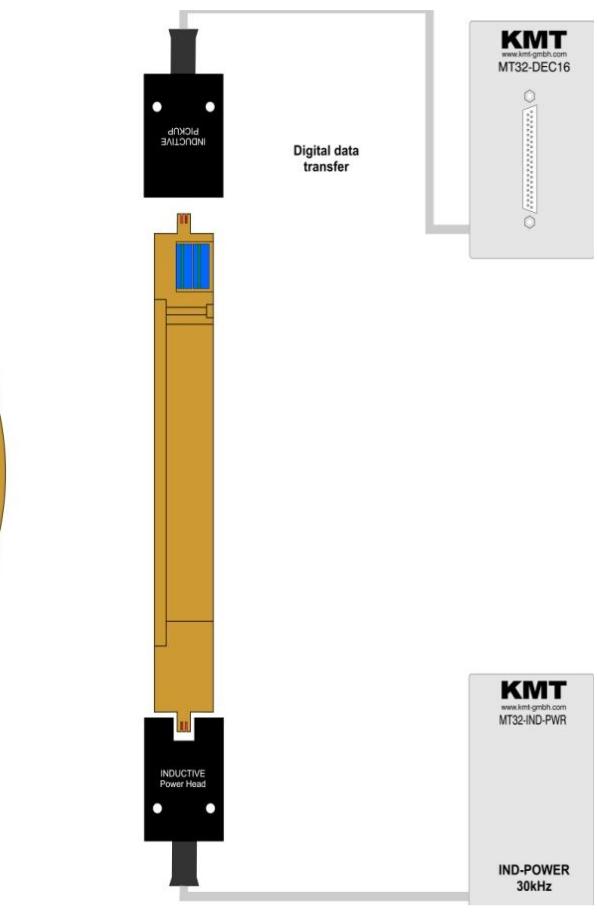
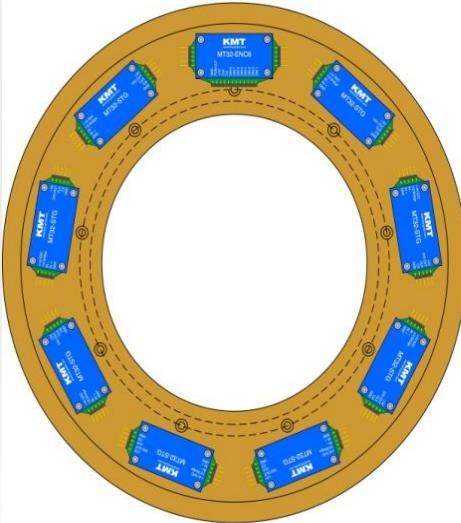


MT32 – Multi Channel Telemetry
“32 CH force measurement in gear box”

Telemetry Application Examples



Measurements on Wind-Turbines with KMT

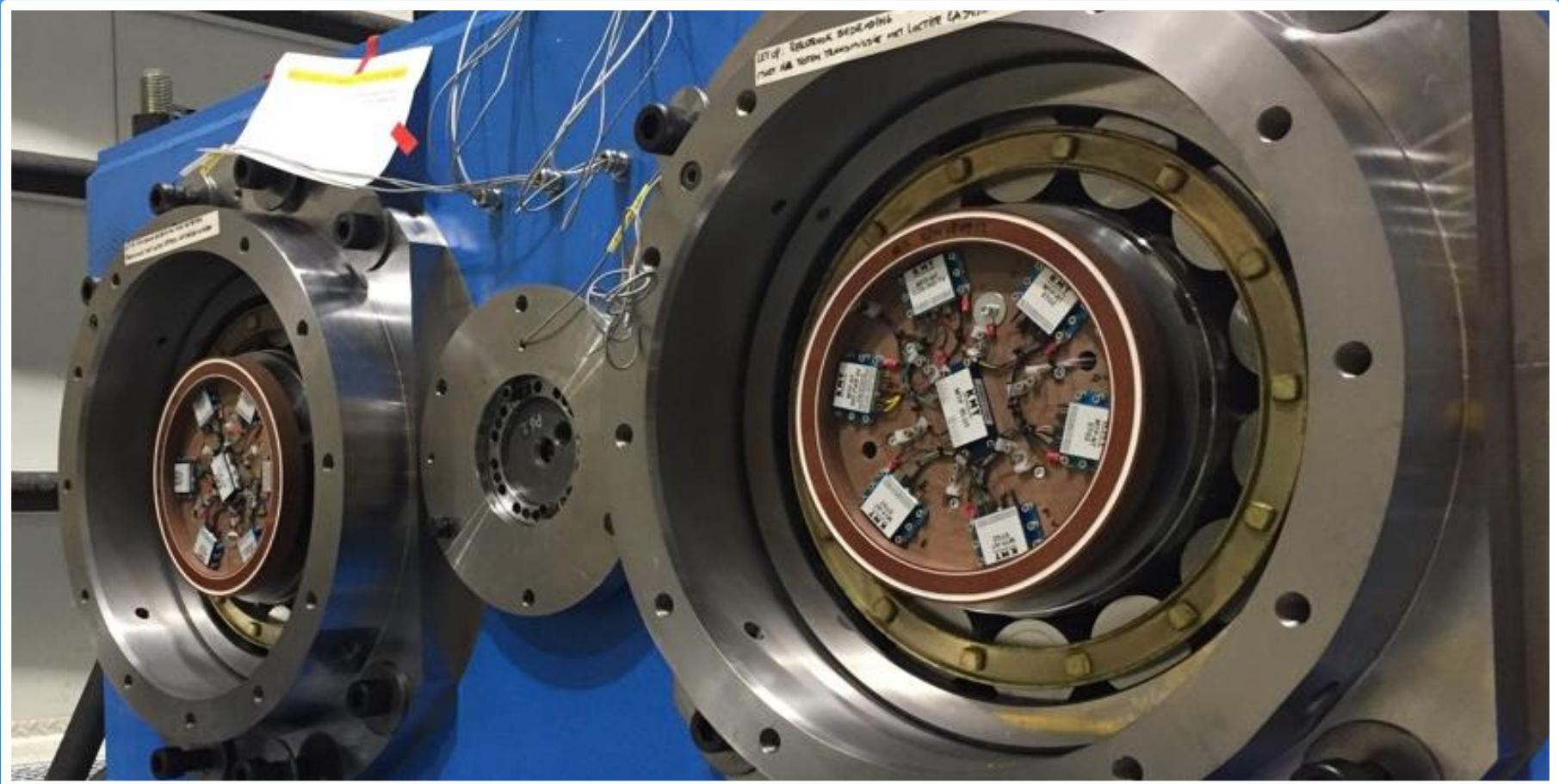


MT32 – Multi Channel Telemetry
“16 CH force telemetry on drive shaft incl. inductive power”

Telemetry Application Examples



MTP-NT – Multi Channel Telemetry inside of gear box

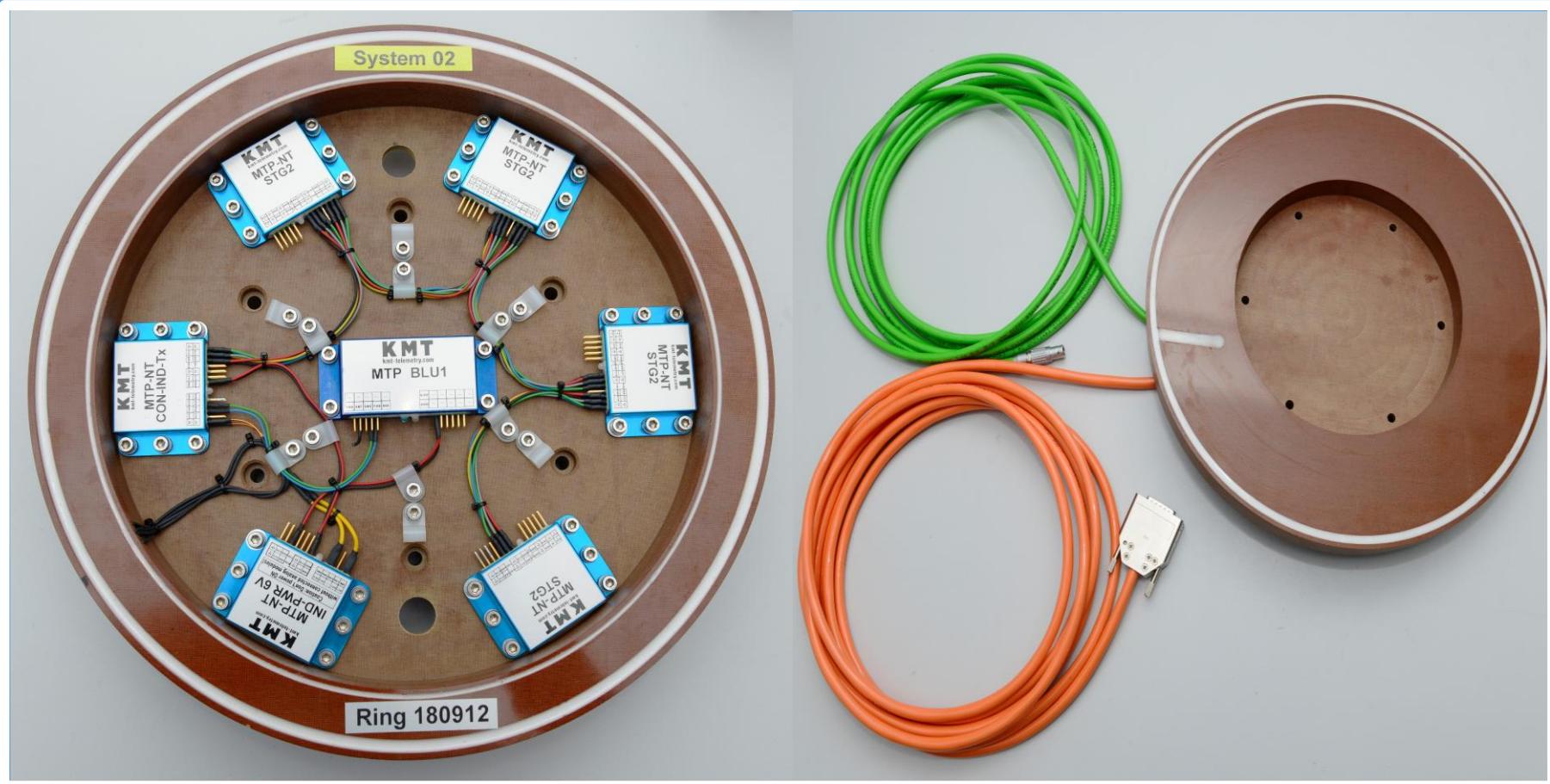


Rotor for end of shaft installation on gear box

Telemetry Application Examples



MTP-NT – Multi Channel Telemetry inside of gear box



Rotor for end of shaft installation

Stator for on shaft installation

Telemetry Application Examples



MTP-NT – Multi Channel Telemetry inside of gear box

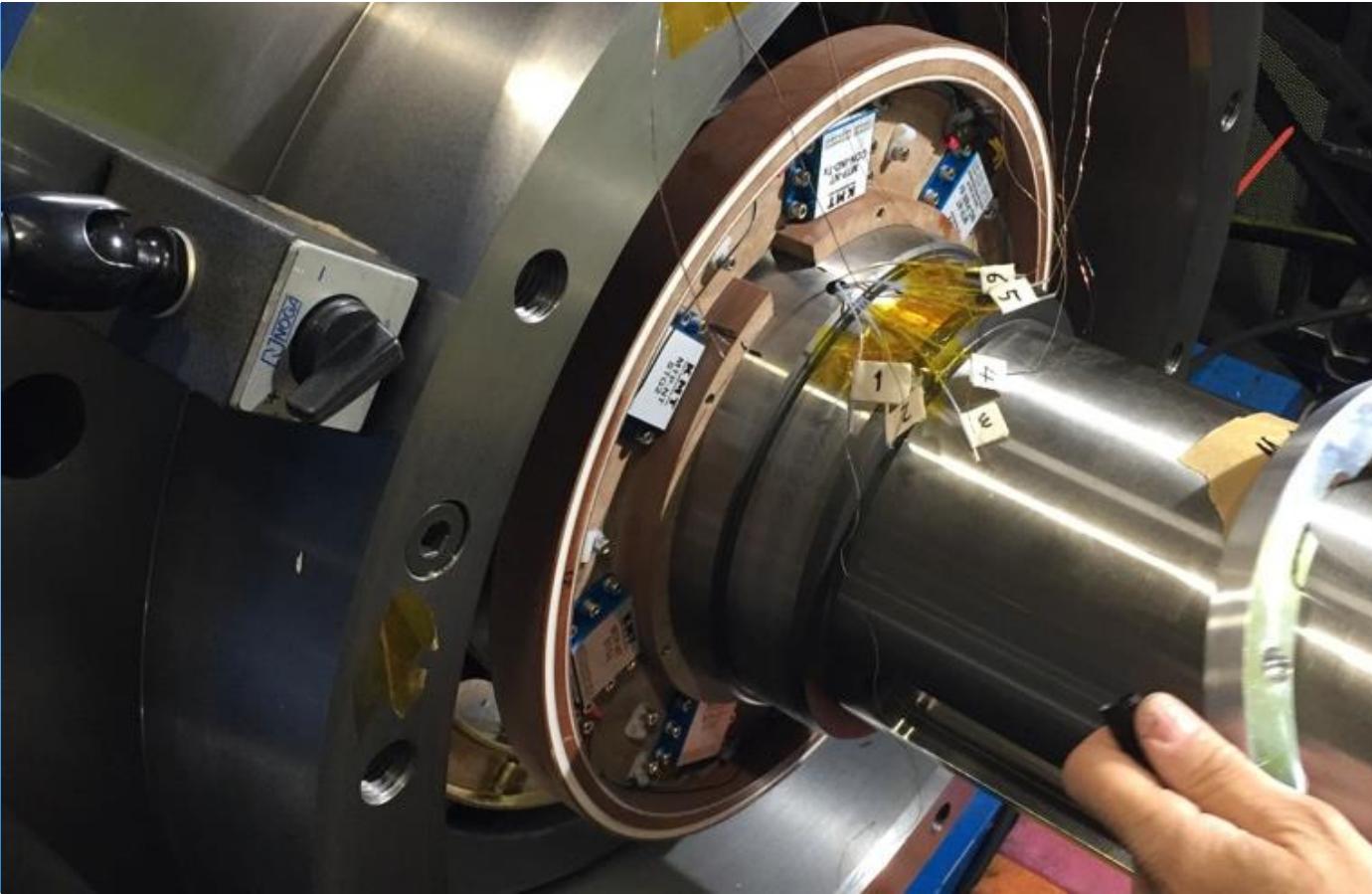


SET - Rotor for end of shaft installation

Telemetry Application Examples



MTP-NT – Multi Channel Telemetry inside of gear box

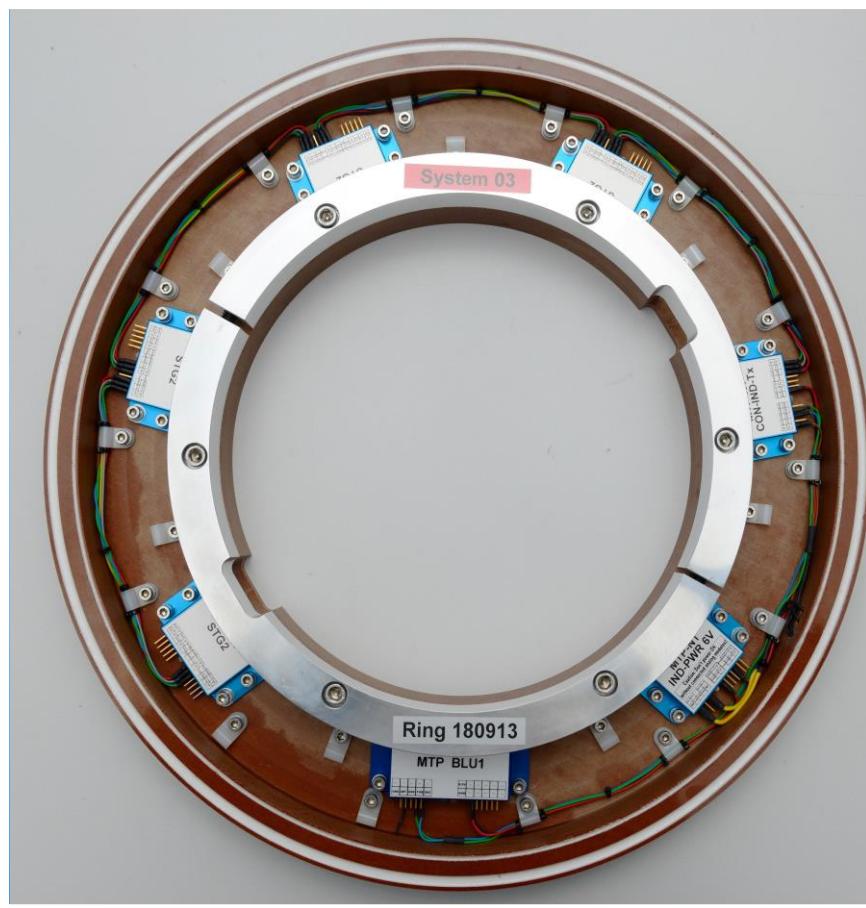


Rotor for on shaft installation

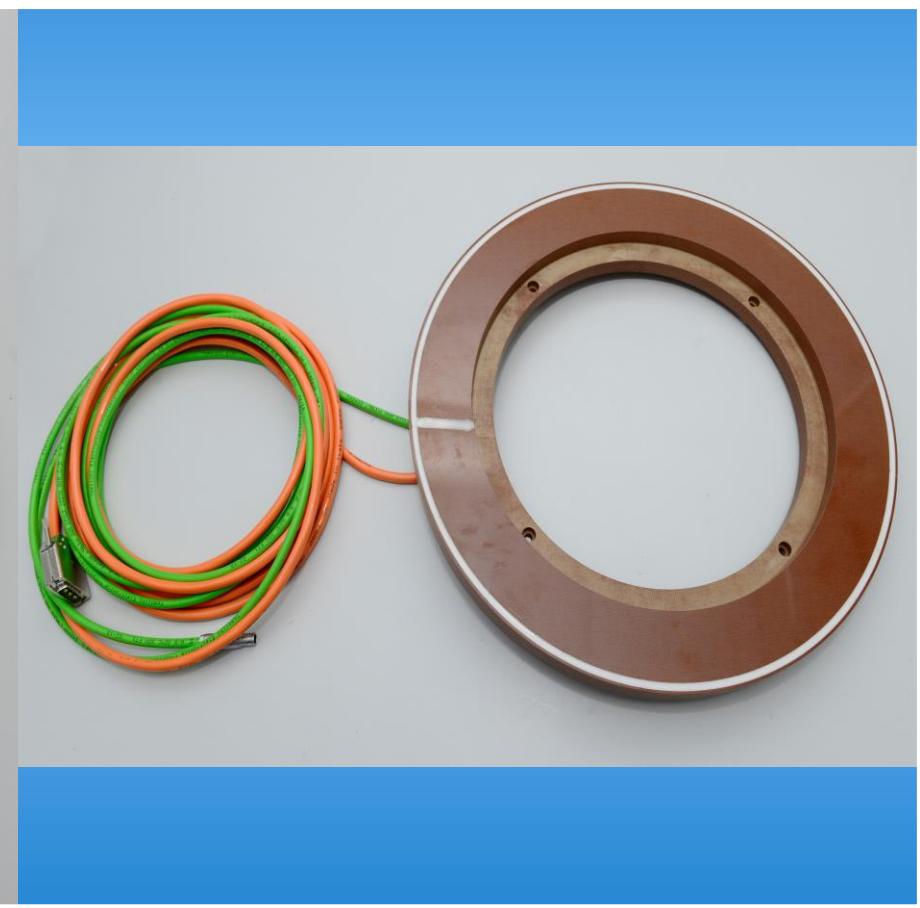
Telemetry Application Examples



MTP-NT – Multi Channel Telemetry inside of gear box



Rotor for end of shaft installation



Stator for on shaft installation

Telemetry Application Examples



Measurements on Wind-Turbines with KMT



SET - Rotor for on shaft installation

Telemetry Application Examples



Measurements on hydropower turbines

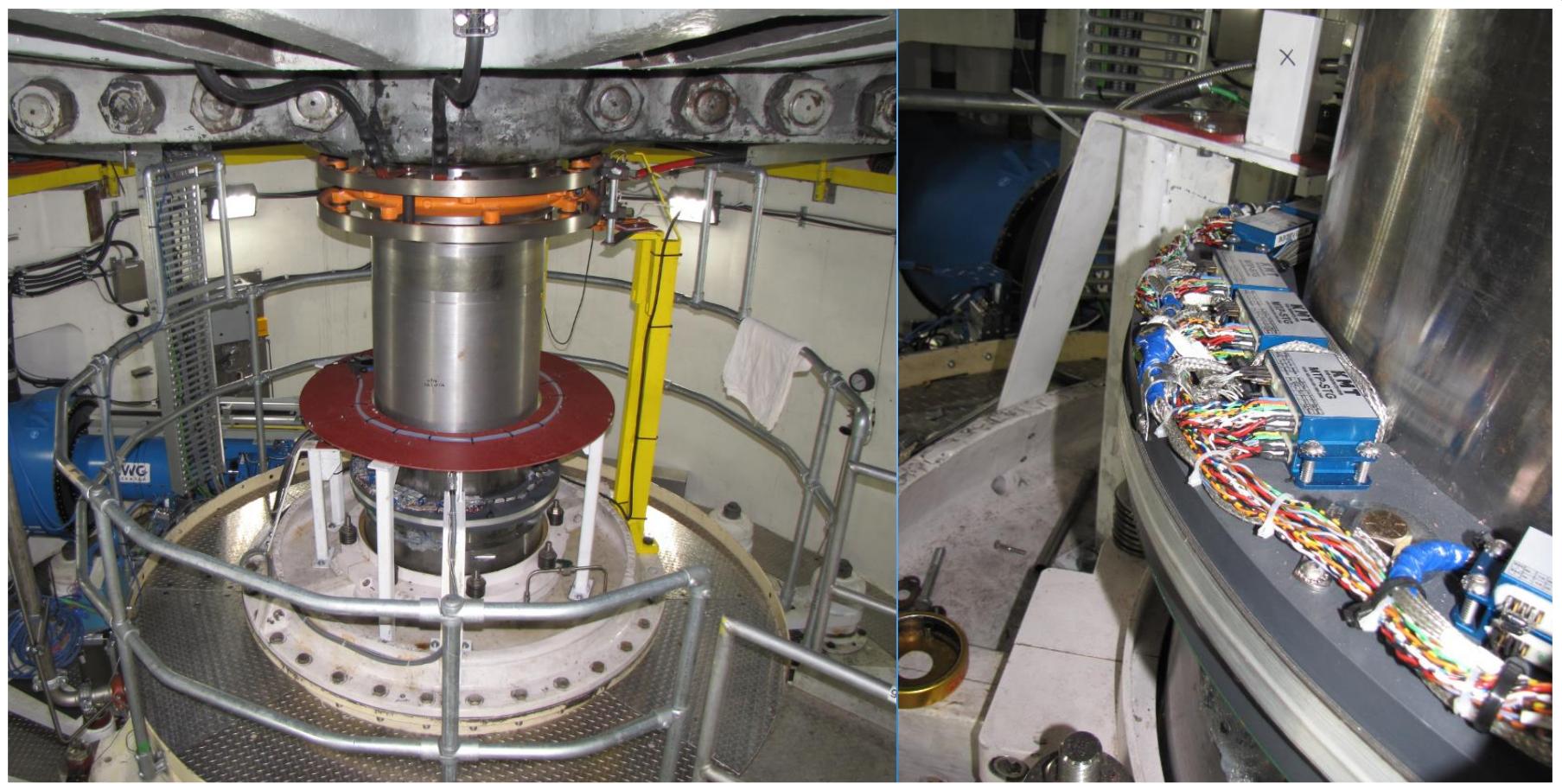


MTP – Multi Channel Telemetry

Telemetry Application Examples



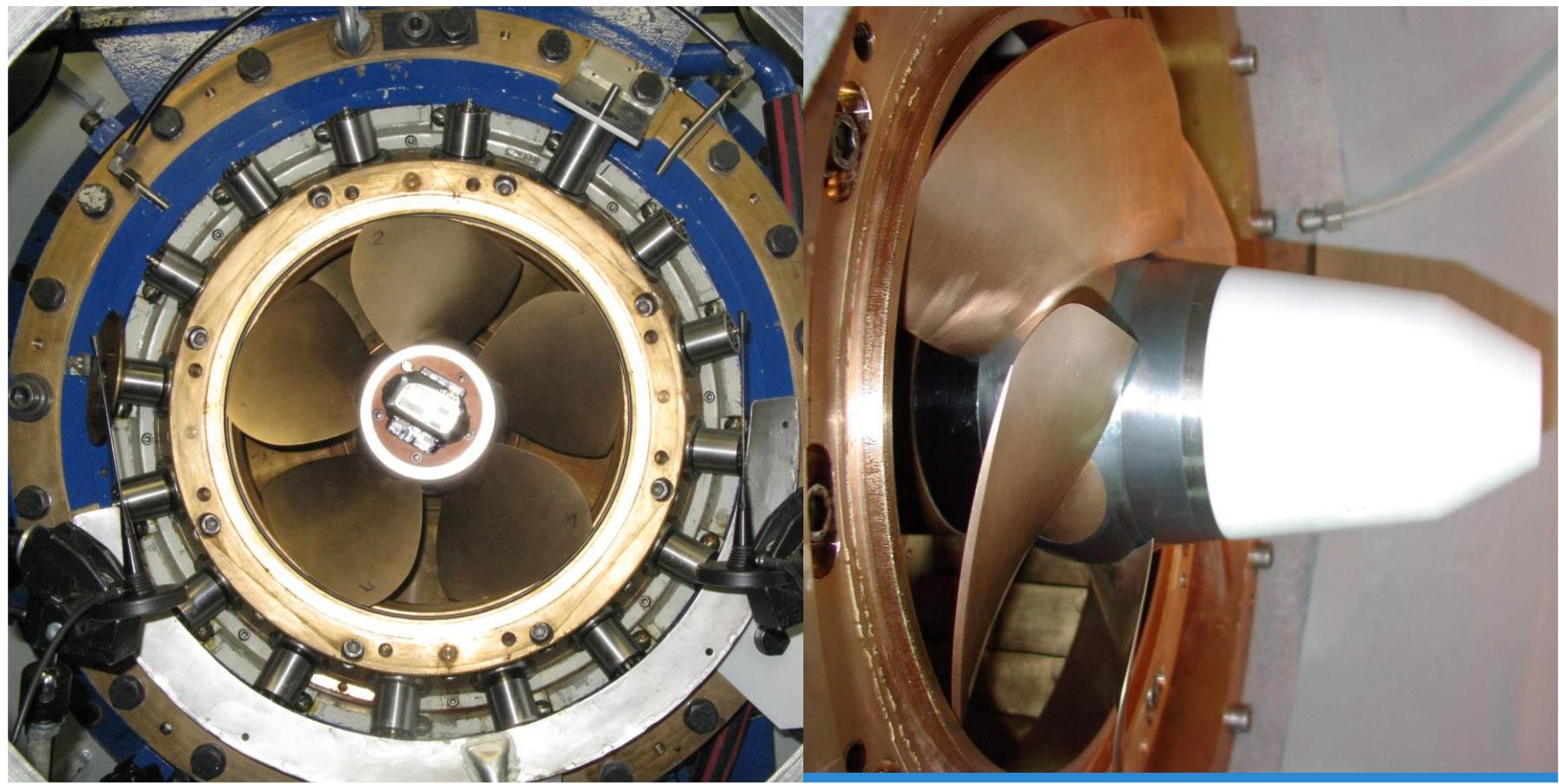
Measurements on hydropower turbines



MTP – Multi Channel Telemetry

Telemetry Application Examples

Measurements on hydropower turbines



MTP – Multi Channel Telemetry

Telemetry Application Examples

Some references

	ANDRITZ Hydro		Hydro Québec		VESTAS
	DEWI		NORDEX		VOITH Hydro
	ENERCON		RePower		Windtest
	GL Garrad Hassan GmbH		Siemens		ZF
	HANSEN Transmission		SUZLON		ZOLLERN

Thank you for your attention!



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