

# Telemetry Application Examples

TEL1-PCM

# Telemetry Application Examples: TEL1-PCM

## Torque Telemetry



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## SET Contains:

Inductive Powerhead / Pickup with 5 m Cable

TEL1-PCM-DEC

Mounting Tape – 2 × 25 mm, Length 50m

Ferrite Tape  
30 mm × 3 meter  
(isolate magnetic field between shaft and coil)

CU Wire – 0.5 mm for coil



DC Power Cable



TEL1-PCM-STG  
(Housing H2)

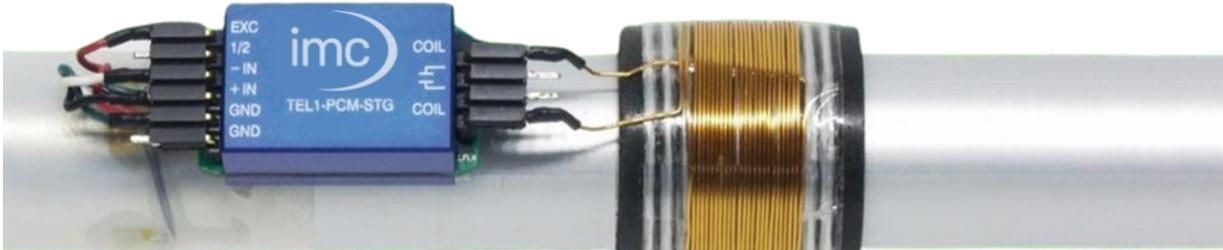
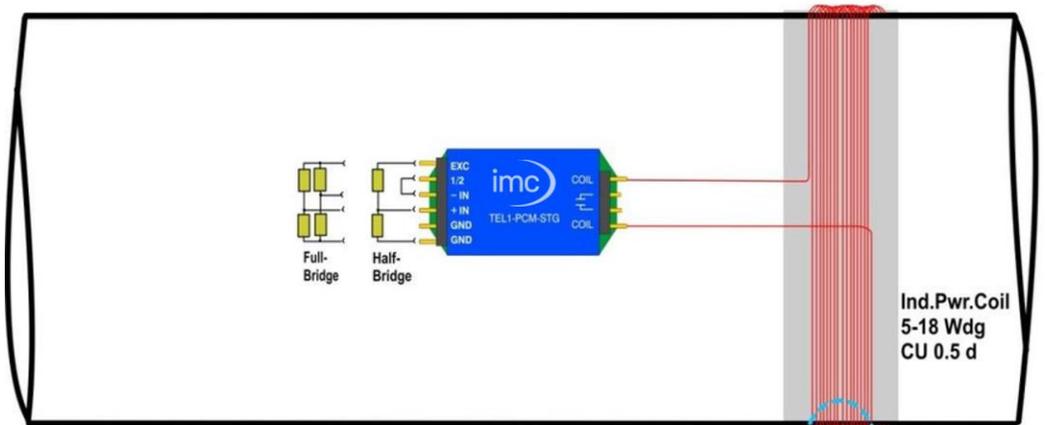


Allen Key to press the  
OLV and AZ Button



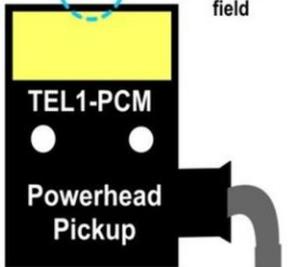
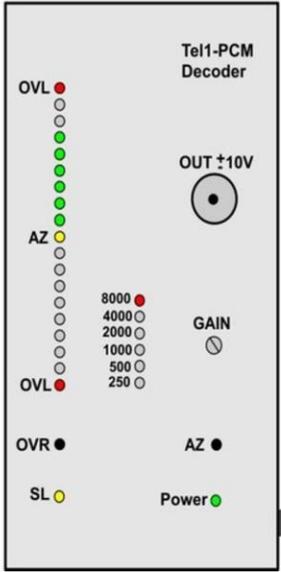
Screwdriver to select  
the gain

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Distance up to 5-25mm (Optional 35mm)

Magnetic field



Digital data transfer & Inductive powering



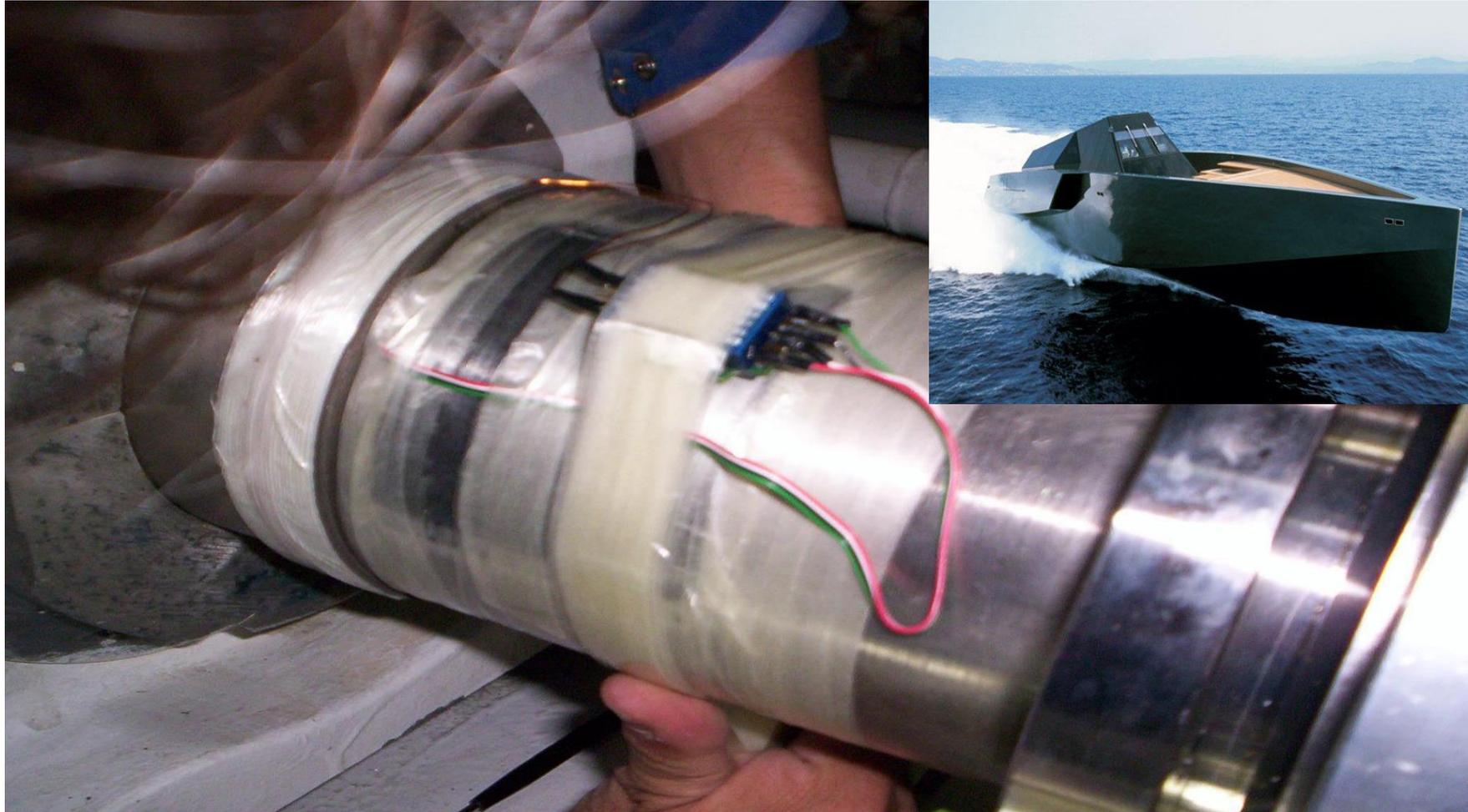
# Telemetry Application Examples: TEL1-PCM

## *Drive Shaft of Ship Engine*



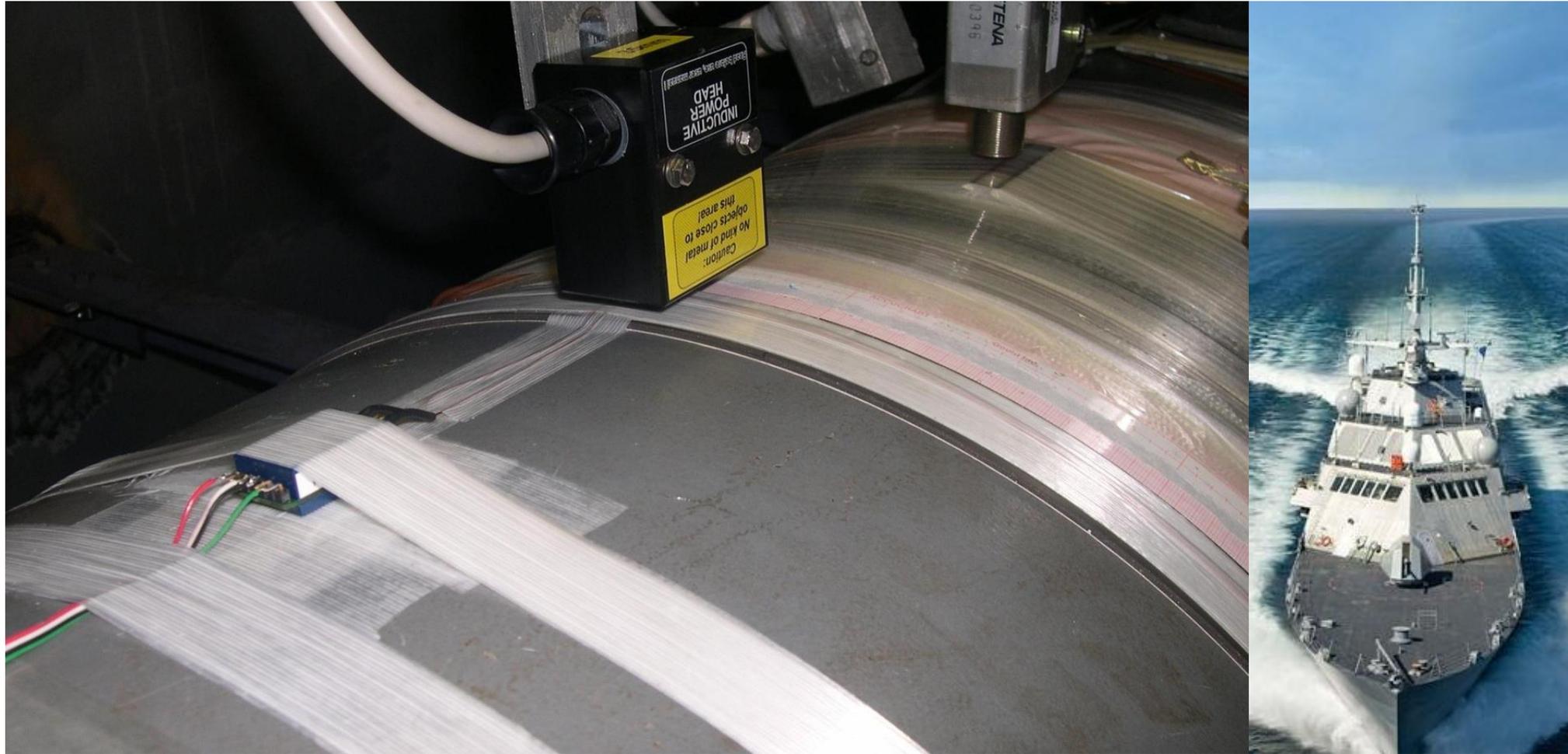
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## *Drive Shaft of Ship Engine*



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## *Drive Shaft of Ship Engine*



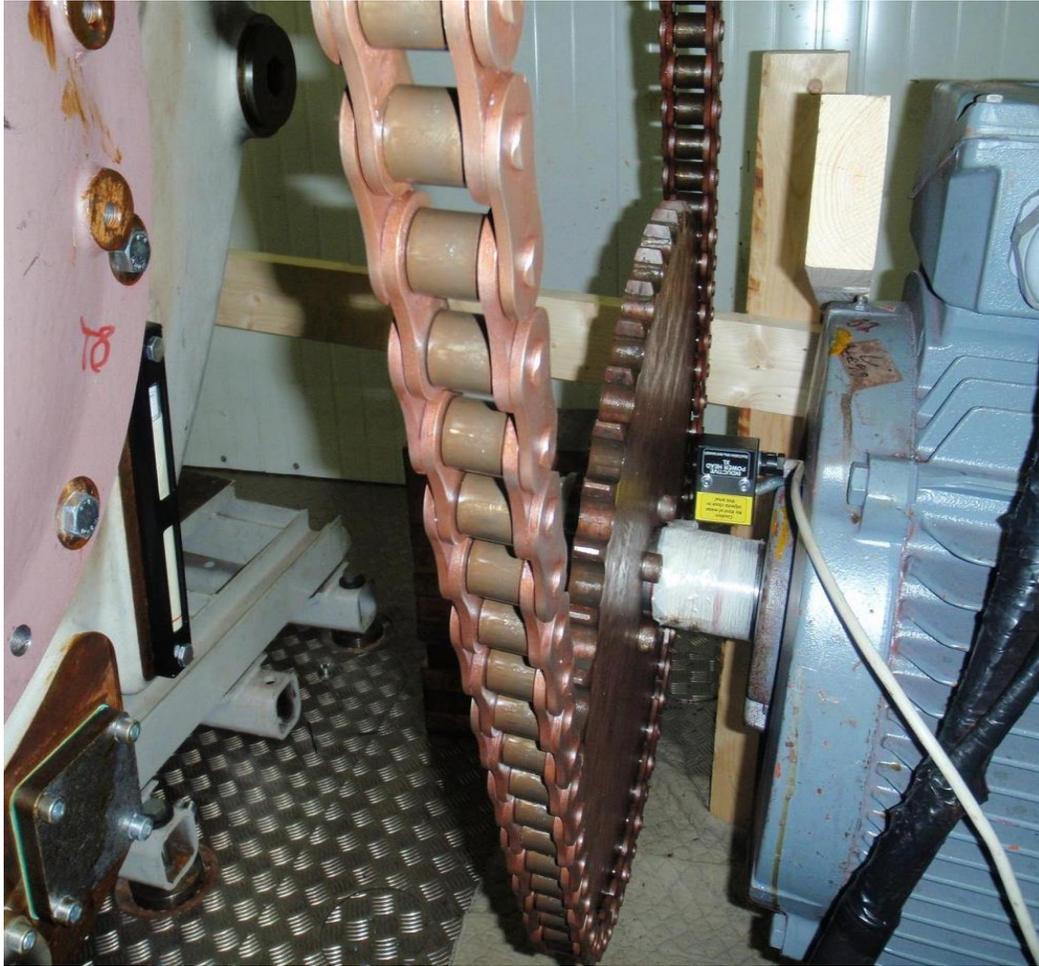
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## *Torque Measurement Drive Pipe-Shaft*



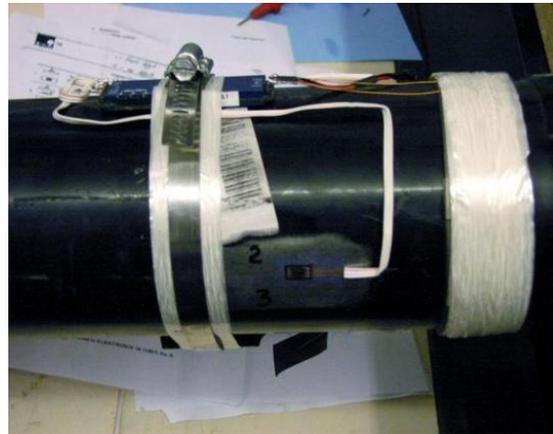
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## *Torque Measurement of Large Gears Drive Shaft*



# Telemetry Application Examples: TEL1-PCM

## *Drive Shaft of Earth-Moving Equipment*



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## *Drive Shaft of Earth-Moving Equipment*



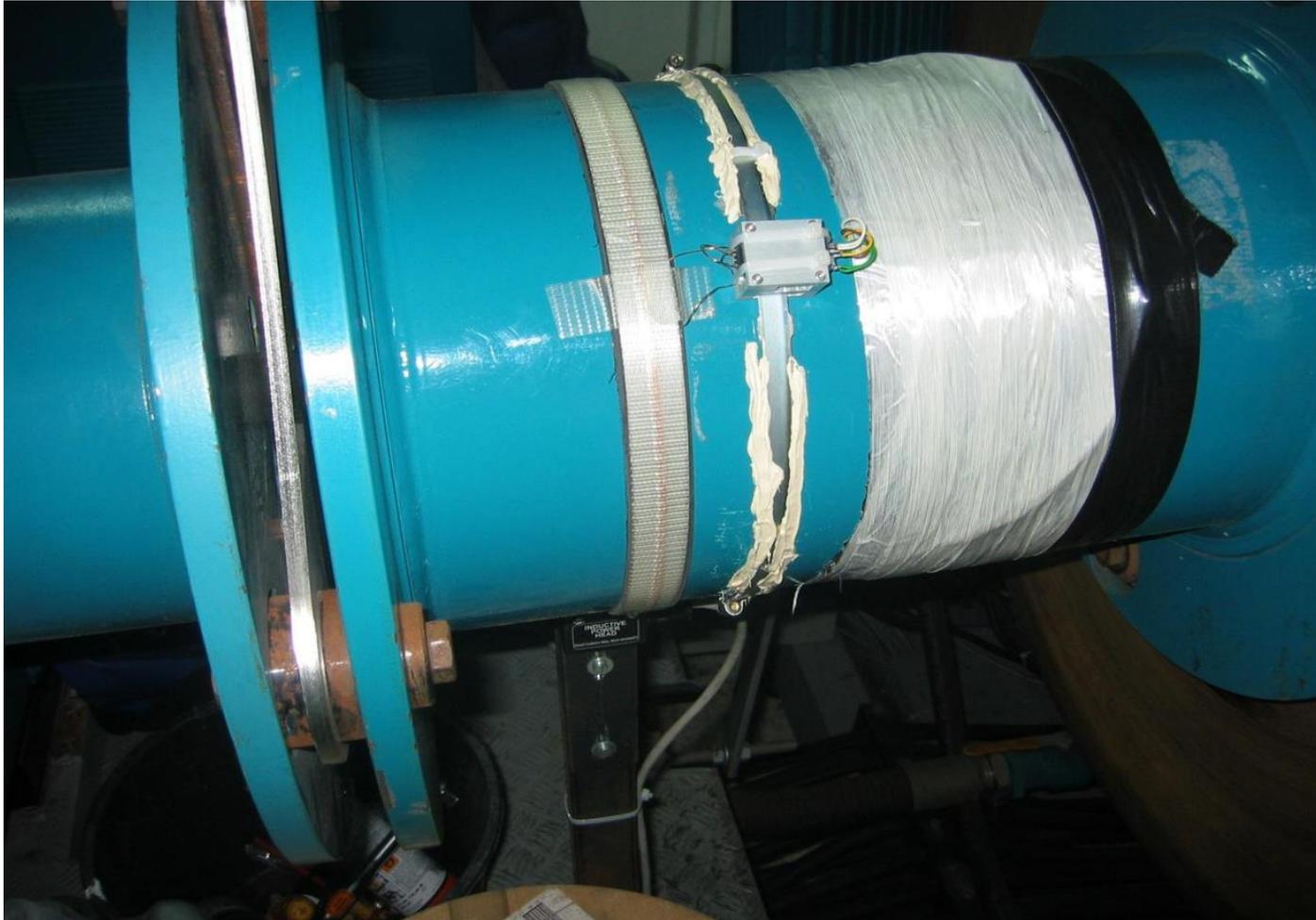
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## Drive Shaft of Windmill – Low Speed Drive Shaft



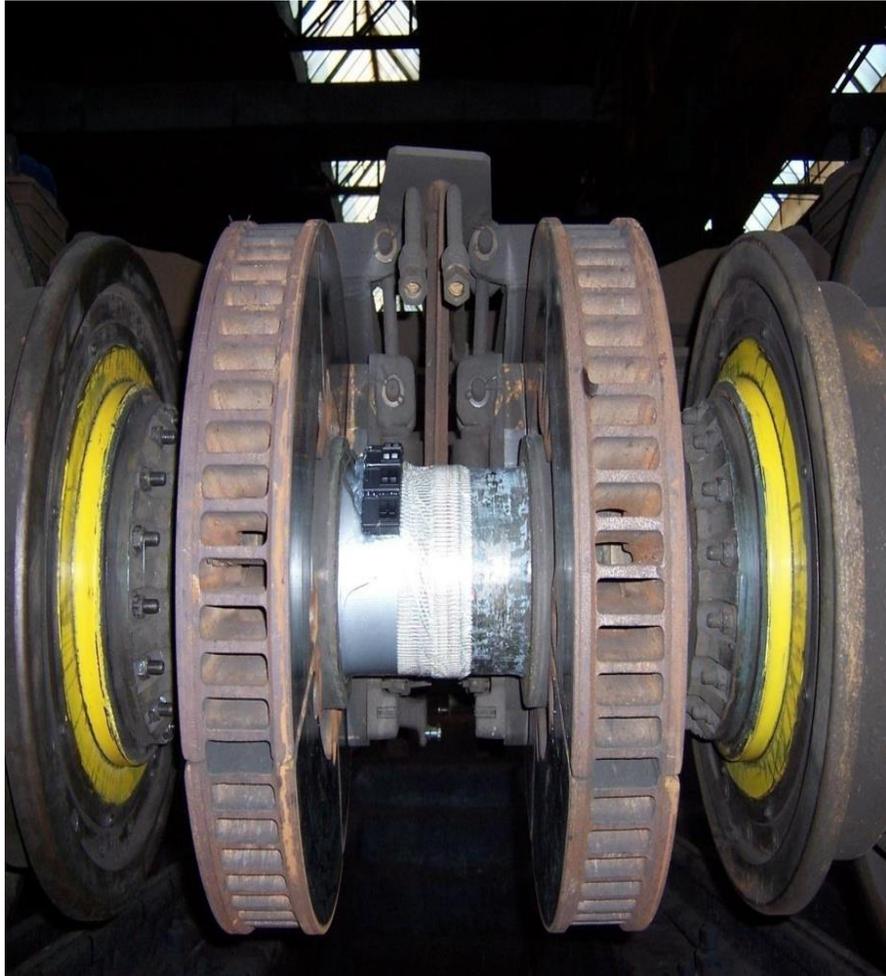
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*Drive Shaft of Windmill – High Speed Drive Shaft*



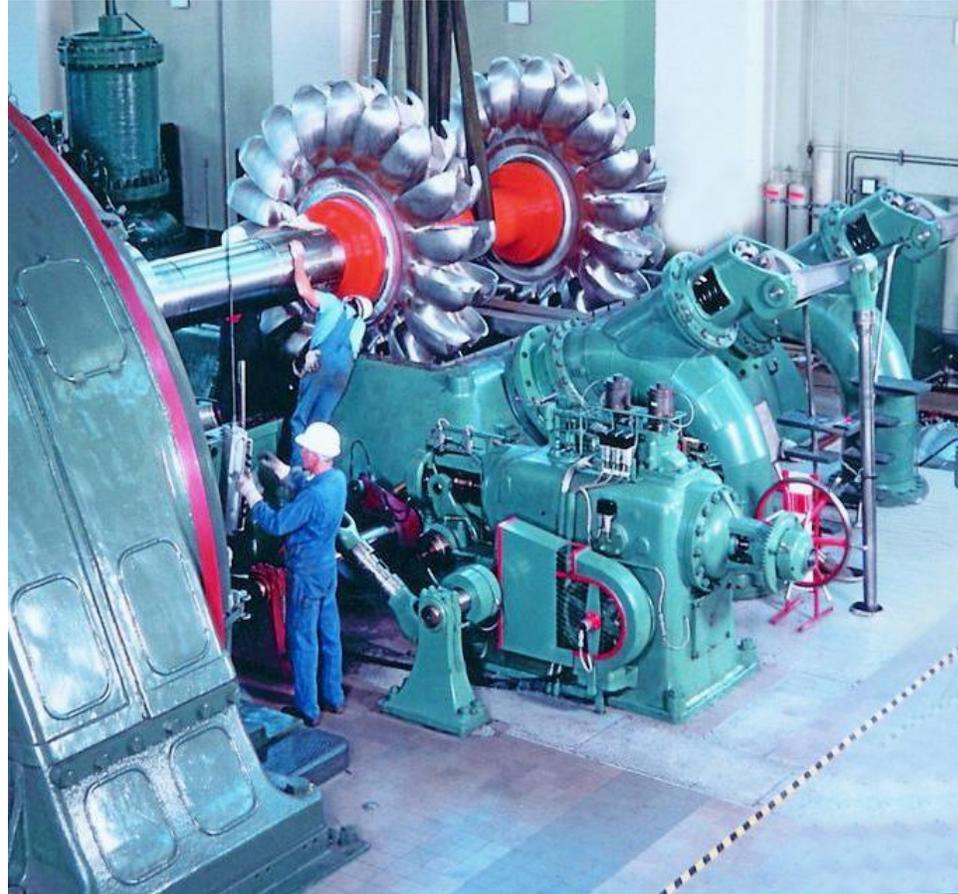
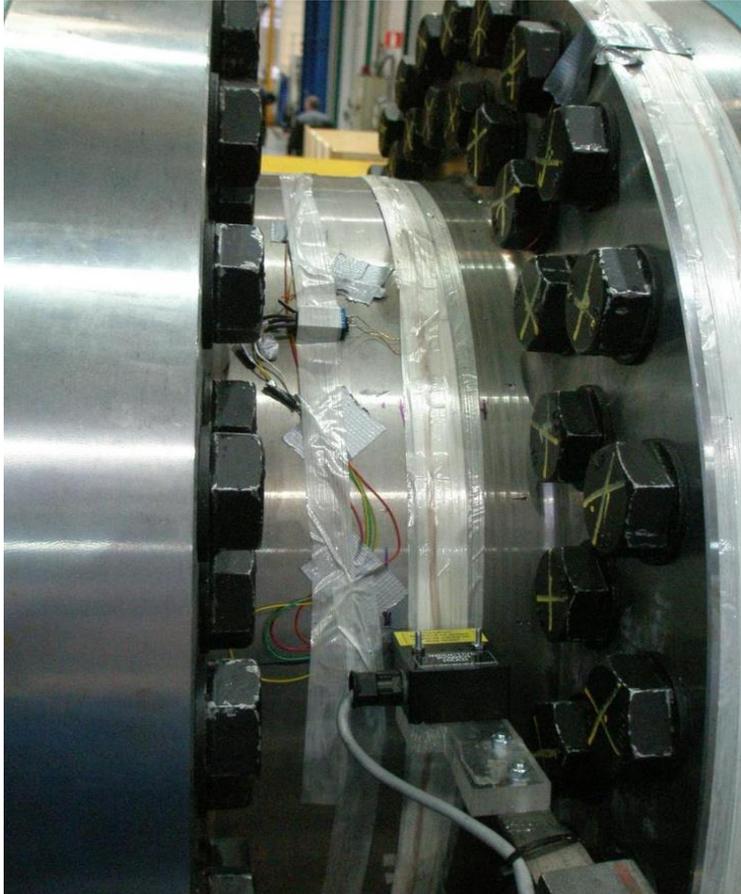
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## *Force Measurement at Railway Wheel Axis*



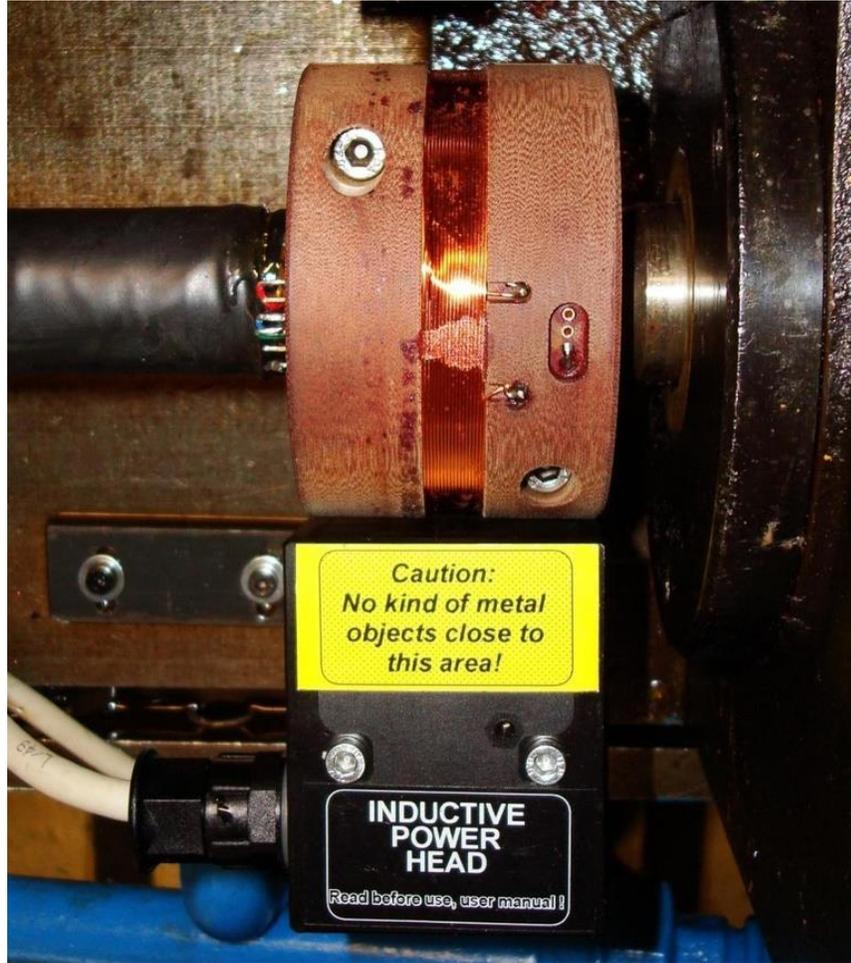
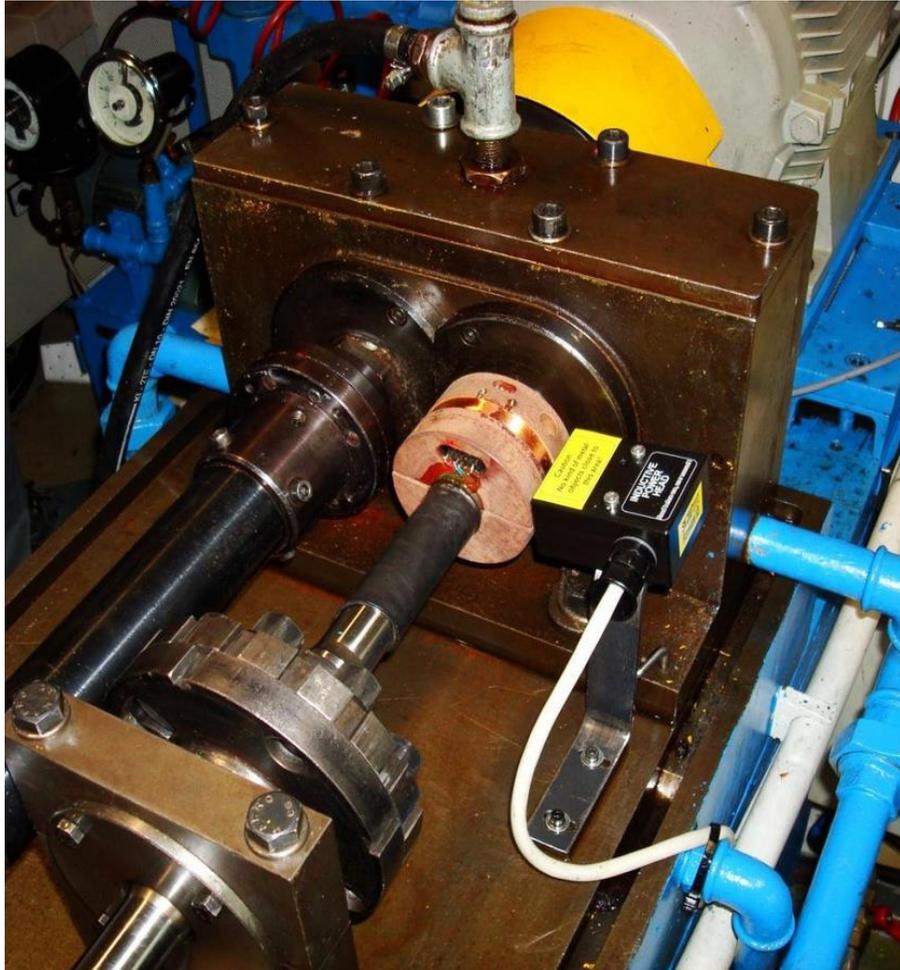
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## *Drive Shaft of Hydropower Plant*



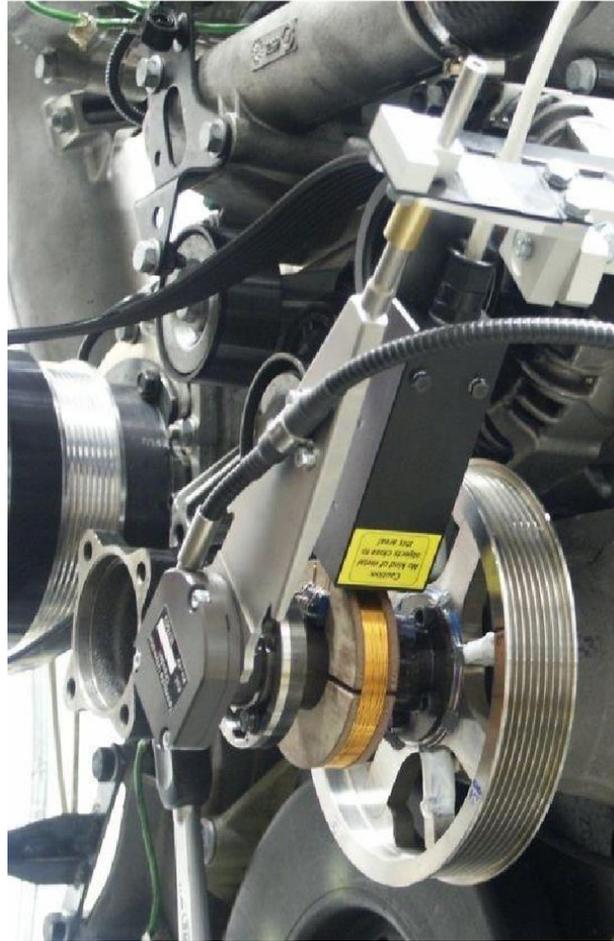
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## *Drive Shaft of Gear Test Bend*



# Telemetry Application Examples: TEL1-PCM

## Force Measurement of Car Belt Pulley



# Telemetry Application Examples: TEL1-PCM

## *Temperature Measurement of Bearing*

