

Sensor and Applications for Rail Infrastructure and Rolling Stock



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sensors

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Acceleration
Lifting
Angle
Detection

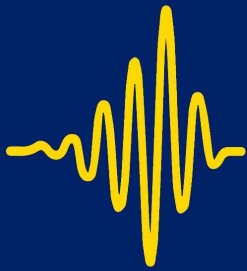
The future is measuring ...



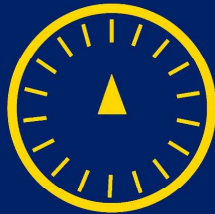
... join us for the next level

Our wide range of measuring methods leaves nothing to be desired, your requirement is our challenge

Vibration



Positioning



Motion



Signaling



Fiber optic sensors are immune to almost everything

High Voltage



Explosive
Atmosphere



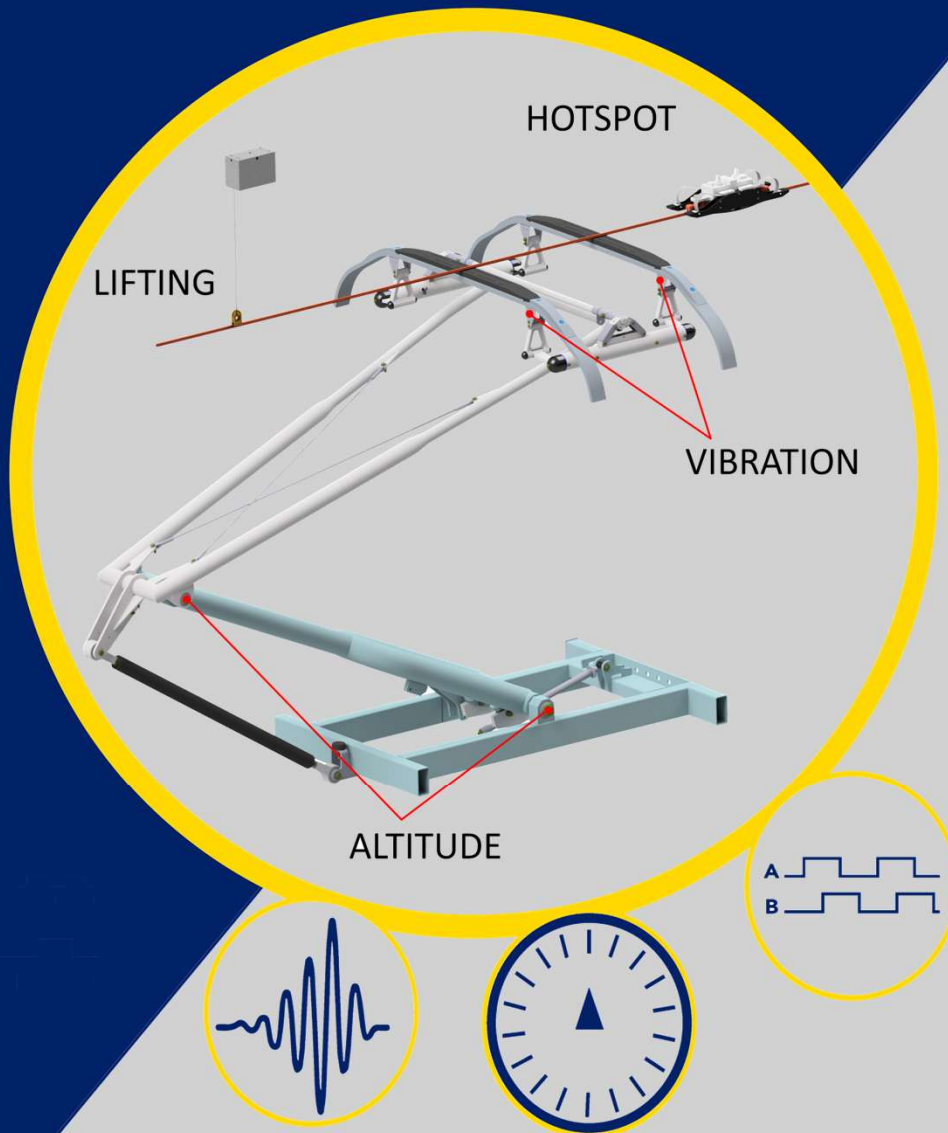
EMI / RFI



Magnetic Field

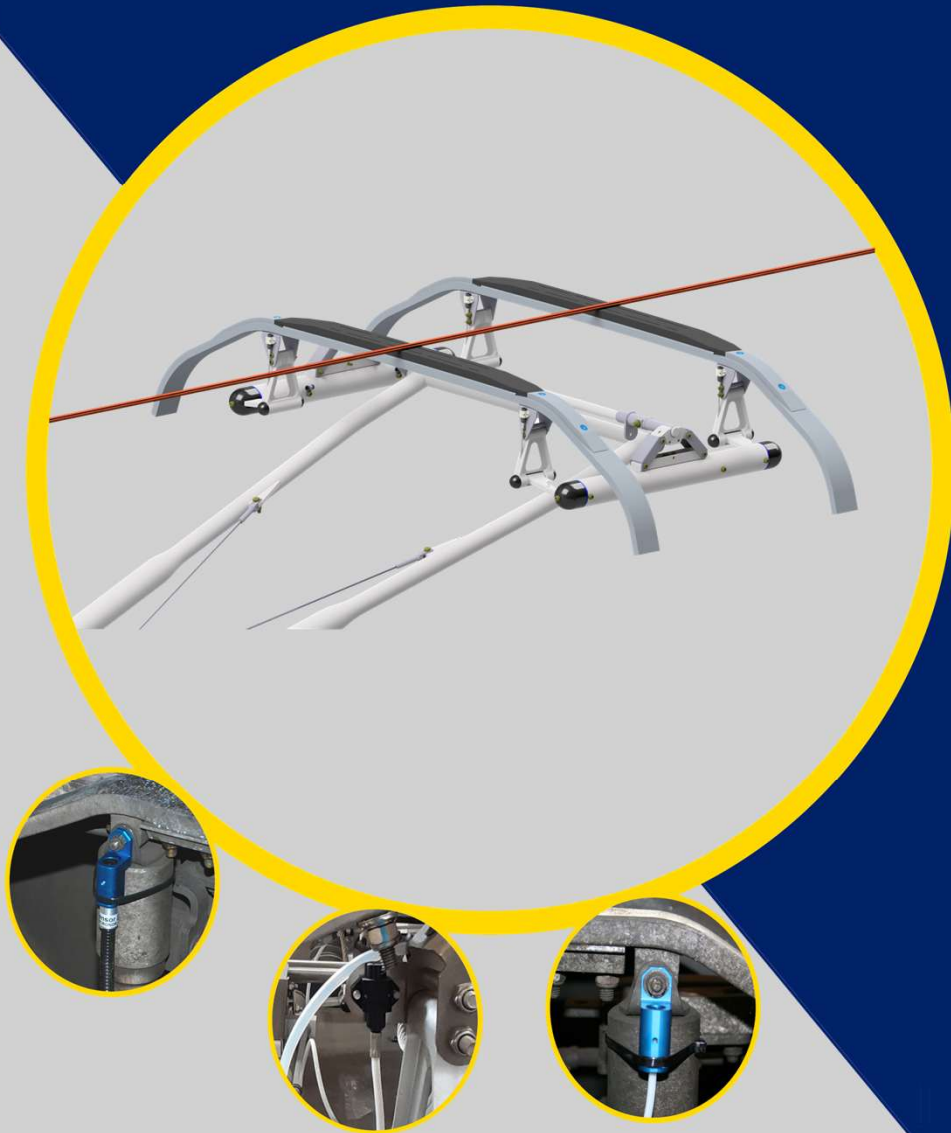


FIBEROPTIC APPLICATION FOR RAILWAYS



All our sensors are purely passive, so interference has no effect on the signaling. The far-reaching immunity makes them excellent measuring devices for the rail industry

ACCELERATION SENSOR



Vibration measurement directly under the contact strip for control of active pantographs as well track monitoring

OVERHEADLINE LIFTING SENSOR



Height measurement of the contact wire to
determine the lifting height when a
pantograph passes through

ALTITUDE SENSOR



Height measurement would be during the journey for route monitoring and pantograph settings

HOTDETECTION SENSOR

Engineered on
collaboration
with:

 SBB CFF FFS



Detection of a Pantograph when passing
through to ensure the protective routes or
voltage alternating current networks

MICRONOR[®] - With the power of Fiber optical Sensing