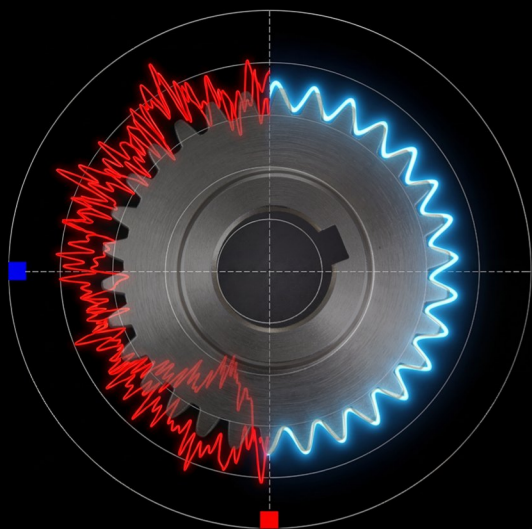


GEARBOX HEALTH

#UNBALANCE #LUBRICATION #MISALIGNMENT #TOOTHHEALTH



The Challenge

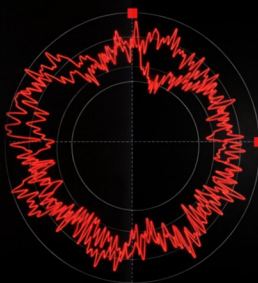
Monitoring gear health requires capturing both low- and high-frequency mechanical signatures with high precision—something current sensing solutions **fail to achieve adequately**.

Additionally, **integration** remains a significant challenge. The gearbox is a compact with extremely limited available space, making it difficult to embed conventional sensing solutions without performance or design compromises.

Gear Health **below**
600 RPM (<10 Hz)



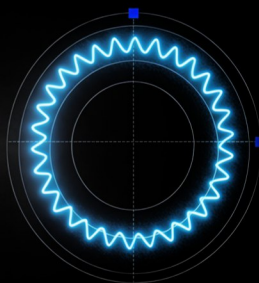
Accelerometer



BEFORE

Global vibration
NOISY SIGNAL

Dragonfly®



NOW

Tooth-level insight
CLEAN SIGNAL

Contact us:

sales@wormsensing.com

Trusted by industry leaders

AIRBUS

SAFRAN

PRACARTIS
GROUP

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worms

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Dragonfly®

THE WORLD'S MOST ADVANCED STRAIN SENSOR



Dragonfly® measures what others can't:
real mechanical deformation.

Ultra-thin, high-resolution, and fully integrable into industrial systems. It turns invisible signals of failures into real-time insights.

SENSITIVITY

1000x

more sensitive

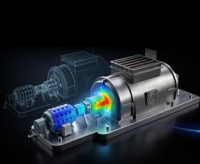
BANDWIDTH

0.02 to 100 000 Hz

frequency range



FROM MONITORING TO **PERFORMANCE**



MACHINE

Mechanical failure signs



Dragonfly®

Next-gen sensors



DAQ

Data acquisition system



INSIGHTS

Actionable KPIs

PAYBACK IN MONTHS NOT YEARS

UP TO 75% TOOL LIFETIME EXTENSION

-20 TO -40% UNPLANNED DOWNTIME

-10 TO -50% SCRAP/REWORK

