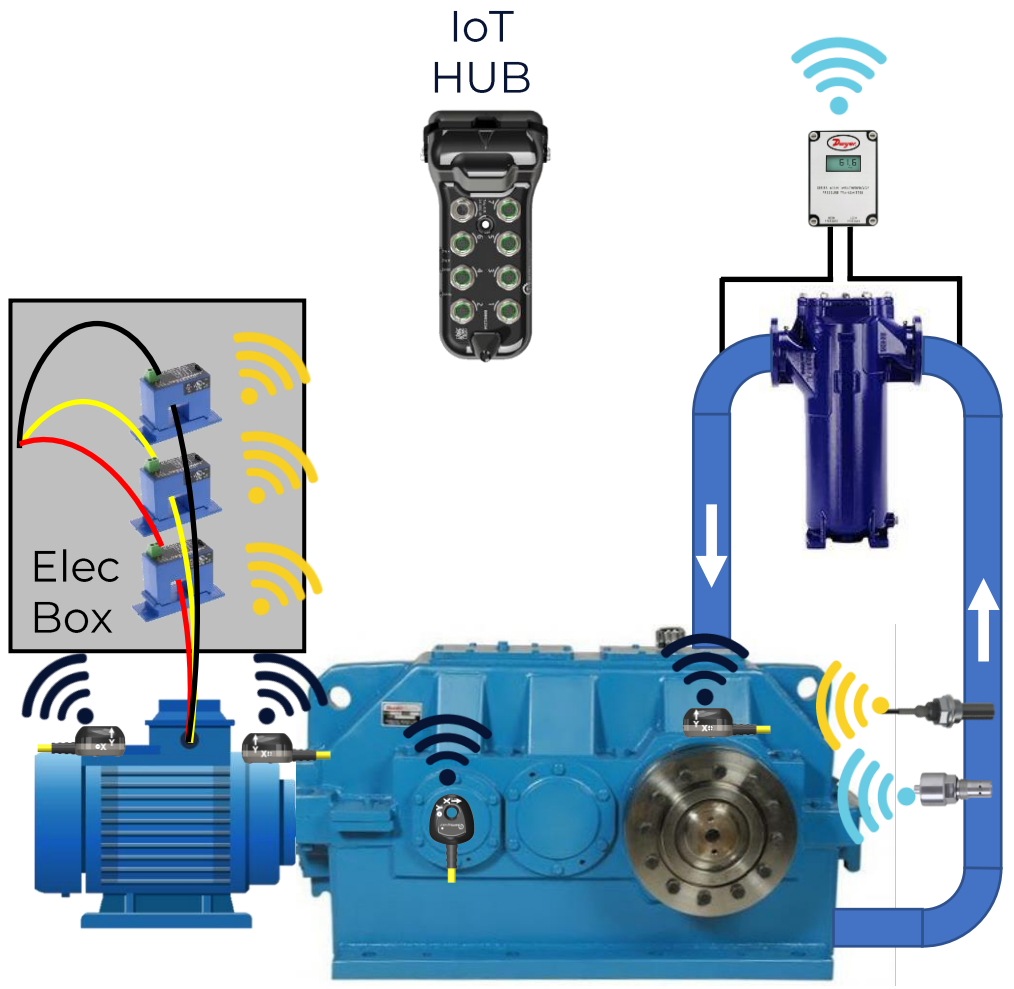
GEARBOX
AVAILABLE TECHNOLOGY

KCF technologies

	SOLUTION	CONDITIONS DIAGNOSED
BEST	Vibration	Misalignment, eccentricity, gear mesh, tooth load, tooth wear, cracked or broken tooth
BETTER	Pressure Oil Temperature Oil Humidity	Filter clogging Overheating, moisture ingress
GOOD	Oil Ferrous Wear MCSA	Rate of fine and coarse ferrous particle wear Changes in loading/efficiency



APPLICATIONS: Mills, Presses, Rolls, Printing Machines, Cutting Machines, Converting Machines, Conveyors, Turbines

FERROUS WEAR

TECHNOLOGY DETAILS

GEAR AND LUBRICATION DEGRADATION

THE SOLUTION:

- ✓ The Gill Weardetect sensor not only trends wear particle accumulation but also collects the particles on a magnet, allowing for further metallurgical testing to determine the source and type of wear.

Gill 4212 Sensor, Analog Adapter, and IoT HUB

KCF Base Station

THE PROOF:

- ✓ Wear particle accumulation in the lube system for a bank of large gearboxes indicates the need for an oil change, after which particle accumulation flatlines.