Asset Condition Monitoring
- digital technology & services

Motornostix®

MXD

ROTATING AND ELECTRICAL ASSETS
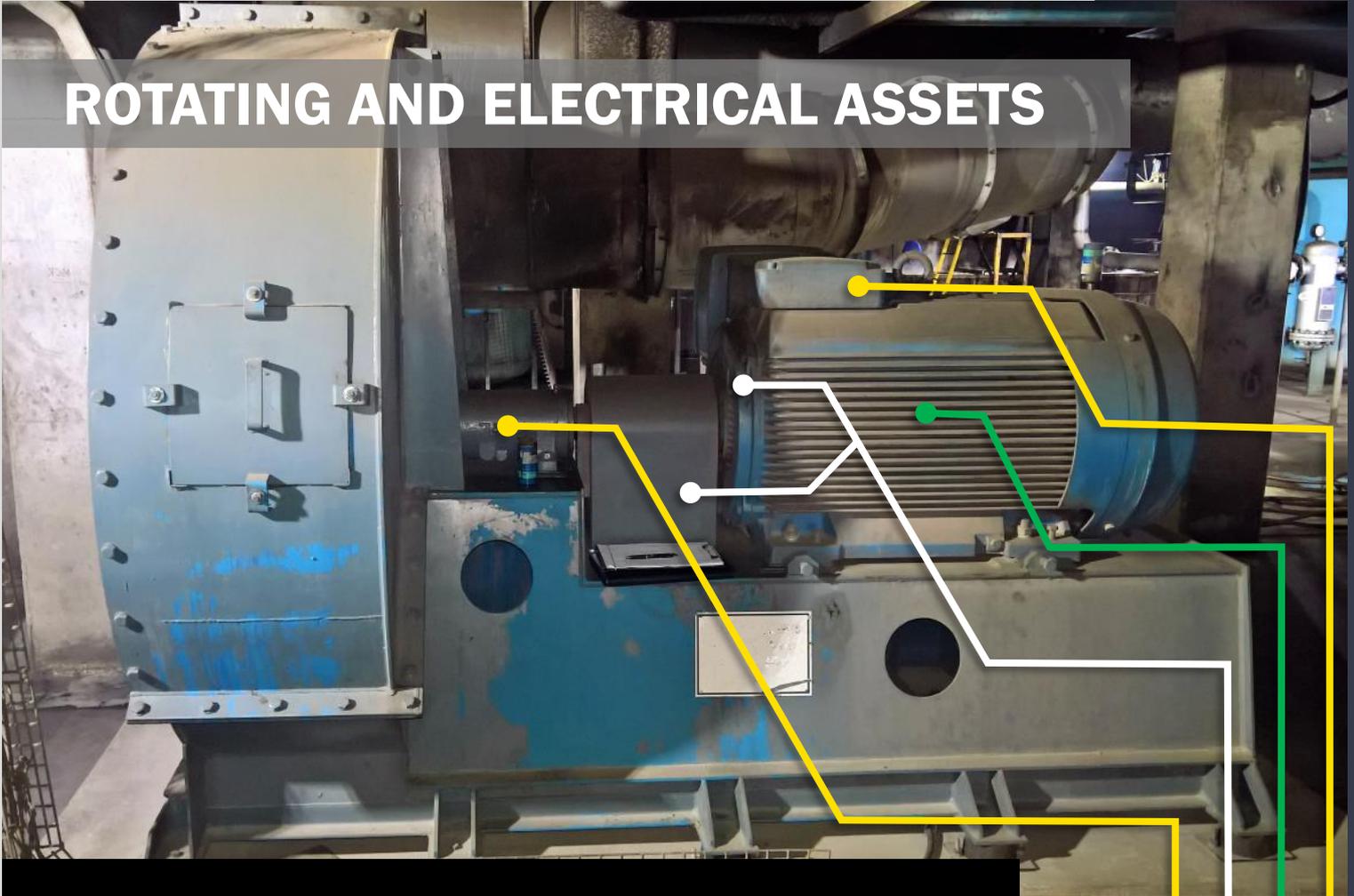
INCREASE UPTIME

REDUCE PRODUCTION COST

HIGHER UTLISATION

EARLY WARNING

RETURN ON INVESTMENT

BUSINESS INFORMATION

Application: Mechanical - Electrical - Functional
Operating Status - Efficiency - Energy

Industries: Mining - FMCG - Manufacturing - Automotive
Heavy Industry - Utilities - Power Generation

CONNECT YOUR
ROTATING & ELECTRICAL ASSETS

WHAT IS MXD?

Complete online smart trend condition monitoring solutions for managing and improving the vitals of critical production assets

WHY MXD?

Proven track record

Solutions to match client needs - ROI guaranteed

Long-term partnership

Cost-effective

Scalable solutions

Proud to be South African

TECHNOLOGY INCORPORATED

Sensors, cable & wireless

Signal processing

Digital industrial networks

Network devices

Smart digital sensors

Wireless sensor network

Data loggers

Edge Computer Gateway

Mobile data network

Low Power WANs

Secure data hosting

Event management

Data visualization

Alert management

Integration

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HOW WE DO IT:

Actual rotational speed rpm is accurately measured with a **physical sensor** attached to the top of the rotating assembly.

The measurement data is wirelessly collected and **visualized on mobile app, PC** software and **dashboard in your office or control room**.

Alerting and event management for rpm out of specification as per alert levels you set and manage.

BENEFITS:

30+ more measurements than portable

No labour required for data collection

Compliment periodic condition monitoring

Certainty of status of critical process functions and asset condition

YOU GET RESULTS:

Take action sooner - prevent losses

Improved safety - no measurements by hand anymore

Cost-effective - benefit exceeds the cost

APPLICATIONS

Mechanical	Electrical	Functional
Motor	Current	Temperature
Pump	Consumption	Pressure
Gearbox	Spark detection	Flow
Fan	Ultrasonic	Counts
Vibrating screen	Humidity	Utilisation

HOW TO GO ABOUT

Features:

MANAGE DATA

Connectivity on and from site

Secure data hosting

SOFTWARE

Unlimited number of users

PC software

Alert logs and reports

Mobile browser software

Trend graphs

ALERTS

High & low level setpoints

Self-managed levels

Self-managed events

Initiate inspections

List assets — Group assets — MXD Consult

Equipment

Contractor — Install

Set alerts

Monitor

MXD

FEATURES ON THIS APPLICATION:

Measured up to 144 times per day

Wired and wireless sensor

Quick to install

Gateway with multiple sensors

Visual graph on mobile and PC

Alerts

Manage alerts on PC

Dashboard status display

MXD SOLUTIONS:

MAKE ASSETS COME DIGITALLY ALIVE ON THE INTERNET:

We customized this float cell rpm solution for our clients' needs by combining mature technology with our experience and success in specializing in online remote condition monitoring solutions since 2000. We offer cost-effective solutions that deliver real business value.

Our client continuously knows the asset's condition to make critical decision regarding the functional operation of the asset and when to take action.

Industrial Internet-of-Things (IIOT) solutions make it possible to monitor asset conditions by bringing data in from various physical data collection devices and sensors fitted to the asset and present it to business decision makers.