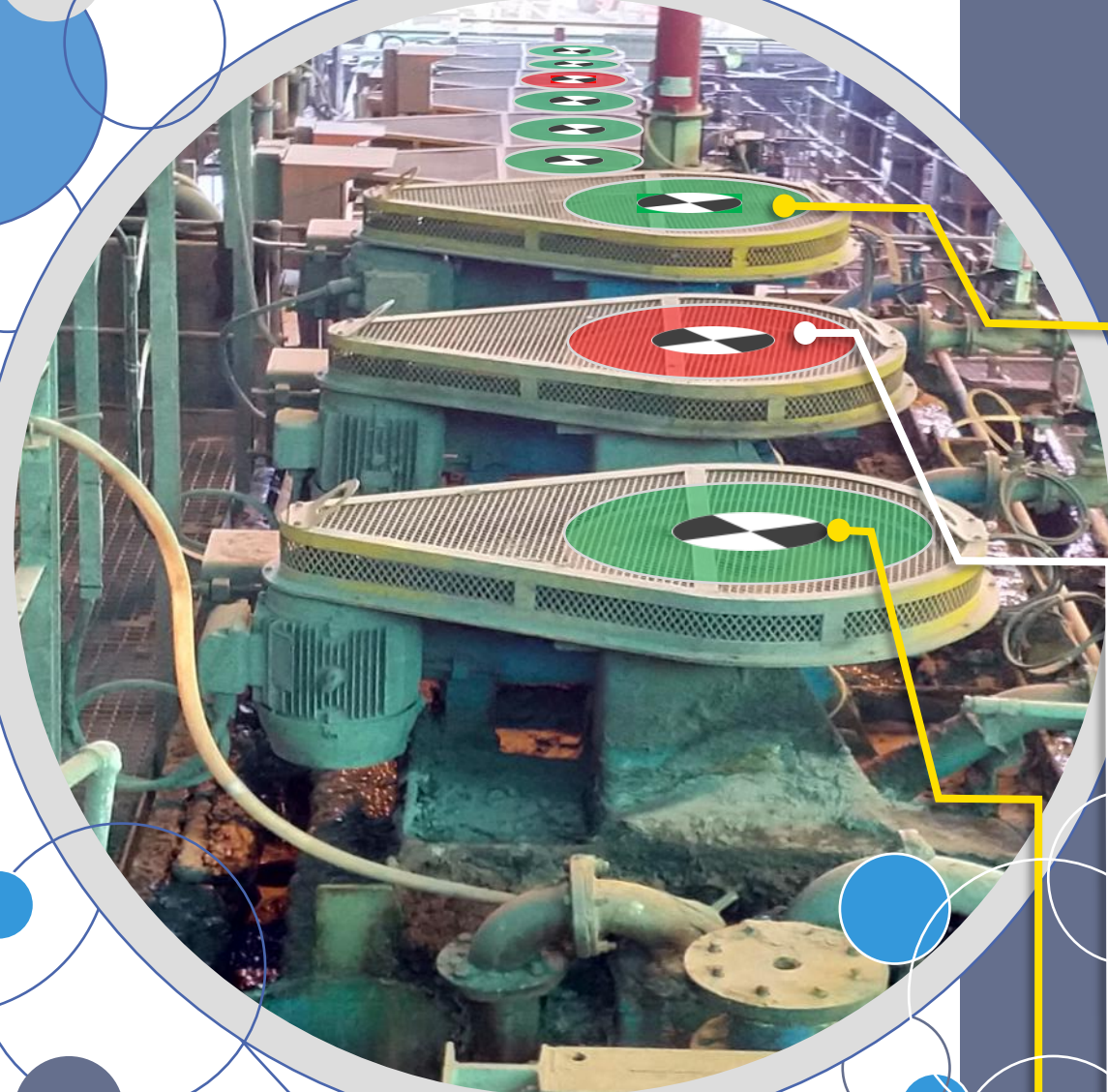


Asset Condition Monitoring
Digital Technology & Services



FEATURED APPLICATION:

**Improve PGM recovery through
flotation cell rotation speed monitoring**



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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CONNECT YOUR FLOTATION CELL ROTATION

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.

STABLE FLOTATION:

Always be certain about RPM stability
Take action sooner and avoid losses
Improved safety - no measurements by hand anymore
Cost-effective - benefit far exceeds the cost

YOU GET RESULTS:

Return on investment
< 6 months
through improved
PGM recovery

FEATURES ON THIS APPLICATION:

- For speeds 60 - 300 rpm
- Measured 48 times per day
- Wireless sensor
- Battery life - 2 years
- Quick to install
- Gateway with multiple sensors within 20m range
- 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.

BENEFITS

- Wireless sensors - quick and easy to install, making it safer
- 300+ time more measurements than with weekly handheld device
- No labour involved in collecting measurements

Configured ready to install and stream data! Install in 3 simple steps:

- 1) Turn on sensor & gateway
- 2) Fit gateway to structure close by
- 3) Attach & secure sensors

Start the machine and see!

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

