

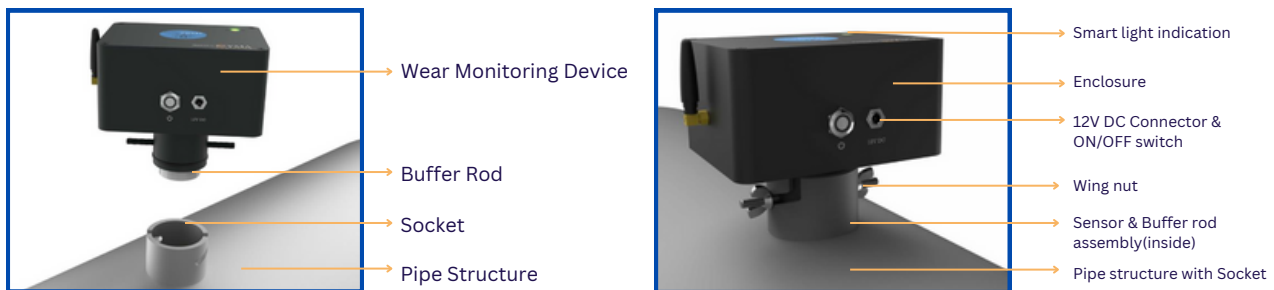
CONTINUOUS THICKNESS MONITORING OF CERAMIC LINERS

In the demanding mining industry, the processing and transportation of raw materials occur in **extreme conditions**. Traditional steel pipes used in this environment are susceptible to **corrosion and bursting due to the harsh operating conditions**.

To address these challenges and extend the operational lifespan of mining systems, ceramic liners of varying thicknesses are strategically inserted into the pipelines. It's worth noting that even these **ceramic liners will eventually experience erosion and wear over time**.

XYMA Wear Monitoring Sensor (WMS) monitors the ceramic wear lining that enhance wear-life, improve flow of materials, and reduce noise in mining operations

KEY FEATURES OF WMS DEVICE



INDUSTRIAL CHALLENGES



Harsh & Extreme
Conditions



Accessibility &
Installation Constraints



Vibrations &
Pressure



Versatile
Temperature



Long-term Monitoring &
Huge Maintenance Cost

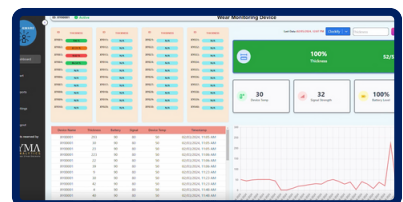
XYMA- WMS DEVICE INSTALLATION IN INDUSTRY



XYMA device monitoring **Continuous Thickness Measurement** of Ceramic Industry



Non-Contact and Retrofit with thread locking Installation



Industrial IOT enabled Real-time Dashboard System

CONCLUSION

XYMA Wear Monitoring sensor, stands as the pivotal solution for Mineral Processing and Material Handling Unit in the Industries. The device not only minimizes downtime and operational risks but also benefits company in terms of **profitability, competitiveness, and sustainability**.