



SMART PUMP CONDITION MONITORING

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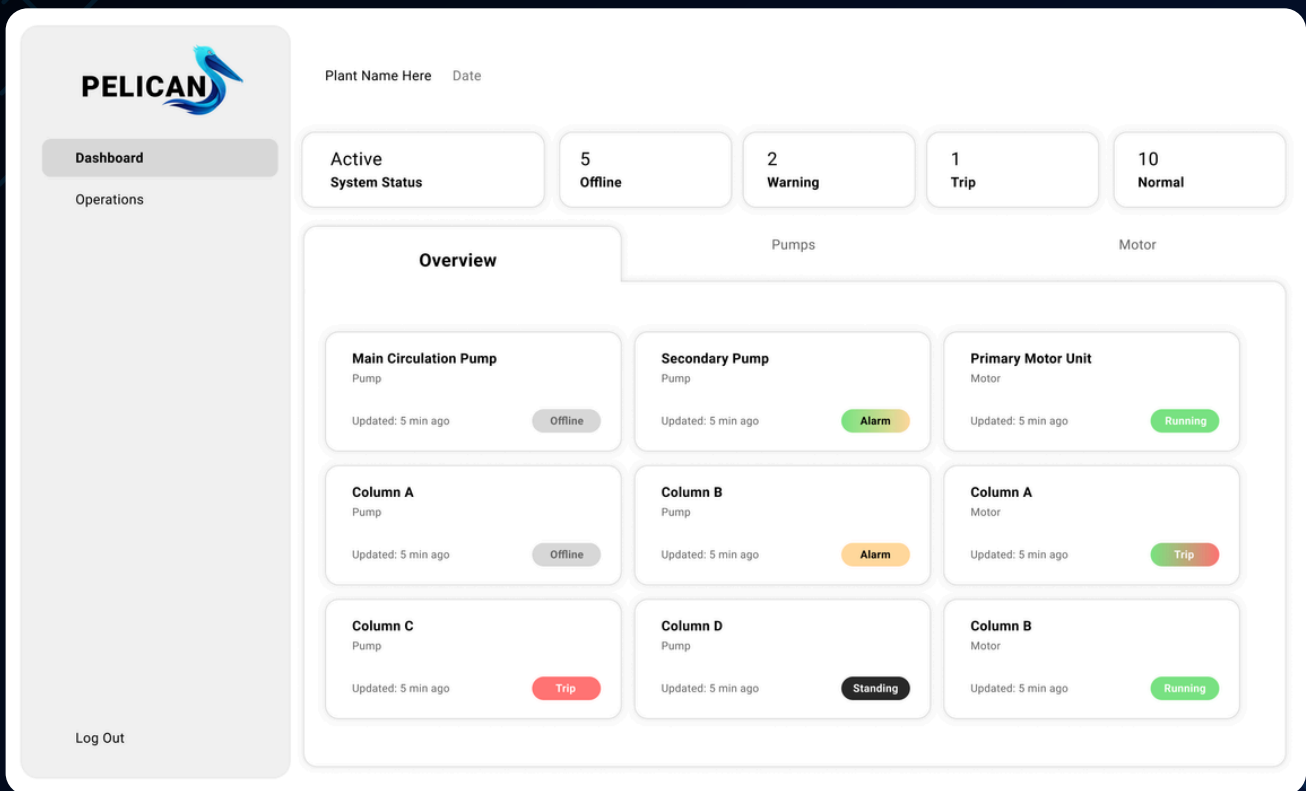
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EXECUTIVE SUMMARY

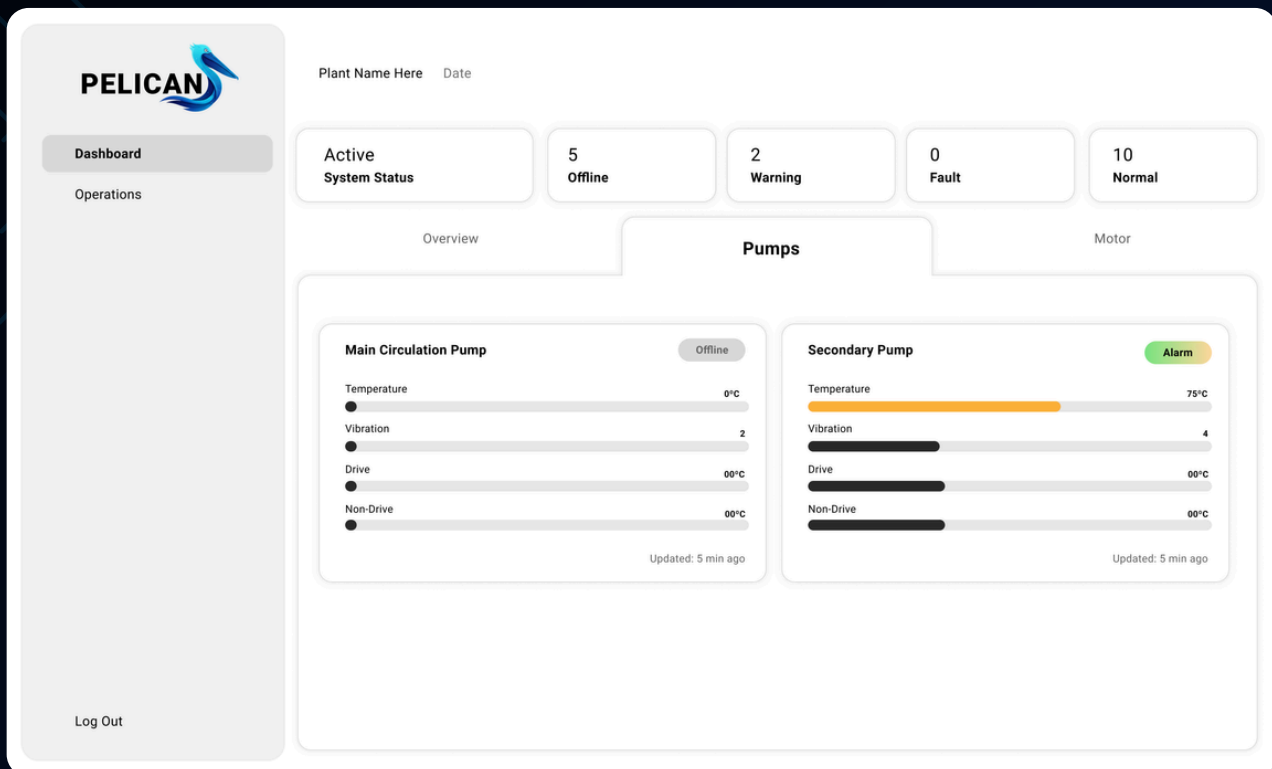
We propose a live demonstration of Pelican, our smart, plug-and-play condition monitoring device for industrial pumps.

Pelican leverages smart mesh technology and cloud integration (AWS) to deliver real-time monitoring of pump motor health without the need for complex cabling or high installation costs



THE INDUSTRY CHALLENGE

Pump failures cause unplanned downtime, leading to production losses and safety risks. Existing monitoring systems are often expensive, cable-intensive, and difficult to scale. Mines and plants require a cost-effective, wireless, and reliable solution to monitor pump health continuously.



THE PELICAN SOLUTION

Pelican is a wireless, plug-and-play condition monitoring system that ensures pump reliability and efficiency.

Key Features:

- Smart Mesh Connectivity – Devices communicate with each other, forming a self-healing wireless network.
- Plug & Play Installation – No need for cabling; units are installed directly onto pumps.
- Cloud-Connected via AWS – Secure real-time monitoring accessible anywhere.
- Comprehensive Monitoring – Tracks:
 - Vibration
 - Motor temperature
 - Drive-end bearing condition
 - Non-drive-end bearing condition

BENEFITS TO MINING COMPANIES, PLANTS, AND FACTORIES

- **Reduced Downtime:** Early detection of pump and motor faults prevents costly production stoppages.
- **Lower Maintenance Costs:** No cabling required, quick installation, and scalable deployment across sites.
- **Operational Reliability:** Smart mesh technology ensures continuous monitoring even in challenging environments.
- **Improved Safety:** Detecting overheating or bearing failures reduces the risk of breakdown-related incidents.
- **Data-Driven Insights:** Real-time cloud monitoring supports predictive maintenance and long-term asset optimization.
- **Scalable Across Operations:** Whether underground, in processing plants, or in factory environments, Pelican adapts seamlessly.

CLOSING

Pelican represents a leap forward in pump condition monitoring - wireless, plug-and-play, cloud-powered.

We are excited to showcase how Pelican can help your company reduce downtime, cut costs, and deliver more value to your customers.

