



#### Real-Time Monitoring:

Visualize and monitor temperature anomalies in real-time with easy-to-use dashboards.



#### Simple Tracking:

Observe historical kiln temperature profiles and overlay process parameters to troubleshoot process and equipment events.



#### Fast, Easy Reporting:

Set up custom views and generate reports with just a few clicks.



#### Actionable Intelligence:

Turn plant data and information into actionable intelligence.



#### Automated Alerts:

Configure automated alerts to detect anomalies and proactively identify known failure modes.



#### Multi-Site Benchmarking:

Look at aggregated data across a fleet of operations or drill into a single site.



## Summary

**BlueMarvel.ProcessMonitoring** is a cutting-edge solution designed to address the critical challenges faced by industries such as pulp and paper and cement manufacturing in monitoring rotary kilns. These kilns play a pivotal role in these sectors, and any temperature anomalies along their external shells can significantly affect efficiency and reliability.

BlueMarvel.ProcessMonitoring cloud-native application employs thermal cameras and advanced computer vision technology to continuously monitor the kiln's shell temperature. Doing so detects real-time abnormalities, which are early indicators of potential issues and inefficiencies in kiln operations. This proactive approach enables predictive maintenance strategies, allowing for timely intervention and reduced unplanned downtime, ultimately optimizing downstream processes. With a focus on asset integrity and operational excellence, BlueMarvel.ProcessMonitoring empowers teams to maintain kiln health and maximize efficiency, translating into cost savings and increased productivity for these critical industrial assets.

## Application Focus

- 1 Reduce unplanned downtime, production bottlenecks, and maintenance costs associated with rotary kiln operations and management.
- 2 Enable sustainable improvements by measuring, documenting, and reporting historical and current performance.
- 3 Create greater situational awareness for operating, reliability, and maintenance organizations.
- 4 Support plant turnaround and downtime decision-making and planning.

Scan here to learn more about BlueMarvel AI and request a demo.

