

PRAEMO INNOVATION HIGHLIGHT

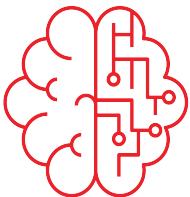


COMPANY OVERVIEW

Praemo fills the critical gap in industrial productivity by leveraging analytics to transform under-utilized data into operation-critical insights. Attaching to a company's IoT and operational data systems, Praemo's Razor™ mines for anomalies and trends that signal any deviation from baseline performance. Alerting the operator to the potential issue, Razor™ then recommends specific actions to pre-empt future consequences. Running silently in the background, Razor™ requires minimal intervention – simply alerting with a “tap on the shoulder” when action is needed.

LOCATION: KITCHENER, ON

TECHNOLOGY



Artificial Intelligence

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CHANGES IN OPERATIONS AND SERVICE PERFORMANCE FROM MACHINE LEARNING

Plateaus in throughput, cost, and productivity improvements are real problems. Even at operations considered to be world-class, there are significant opportunities to improve. Continuous improvement through data visibility and business intelligence has plateaued. Machine learning offers an exciting path to a step change in performance and competitive advantage. Current ML solutions are not working for industrial operations. A new approach is needed to make industrial machine learning a competitive advantage for industrial operations.

TURNING DATA INTO VALUABLE INSIGHTS

Praemo has developed a proprietary digital AI/ML Predictive Technology called Razor™ focused on maximizing industrial efficiency and productivity. Razor™ detects patterns and anomalies in order to predict events that have the potential to negatively impact production such as downtime, equipment failure, and defective products. Razor automates the data science around anomaly detection and event correlation to push the limits of industrial productivity, efficiency, and sustainability;

addressing unplanned downtime and quality issues in real-time, empowering operators to make effective decisions and take appropriate actions to prevent such events.

STRESS TESTING RAZOR 10X

Using the CENGN Testbed, Praemo successfully stress tested their platform. Praemo identified that their Razor system was stable even with a 10x baseline workload where RAM/CPU usage was below 80%. Praemo also verified that the Razor system stably worked under the baseline using 3 NIST traffic generators. Leaving CENGN, Praemo is now able to execute on their scalability plan for the next 5-10 years.

“This test demonstrated Razor’s ability to handle data loads greater than any of our customers could produce and will help us provide customers with the assurances that they’re looking for.”

Andy Henderson
Chief Technology Officer,
Praemo

