



DictumPro

Predictive-prescriptive solution for improved industrial process and asset operability.

Improve the efficiency of your operations and value of your industrial assets by:

- detecting or predicting the occurrence of industrial process disruptions and facility outages
- evaluating their criticality for achieving your planned operational performance and the risks for safety and facility integrity
- prescribing optimal prevention and contingency measures, which seamlessly complete standard procedural framework, in full compliance with current regulations.

Capabilities

- real time anomaly detection in process and equipment performance and functionality;
- intelligent instantaneous diagnosis of process and equipment problem;
- real-time monitoring of large number of processes and equipment, capturing the anomalies and operational problems;
- dynamic real-time criticality and risk determination & ranking of detected problems;
- precise causal analysis with fast determination of degradation and failure modes;
- analysis and determination of optimal prevention or contingency measures to be undertaken against a degradation or failure mode
- accurate failure or degradation prediction for process performance and equipment reliability;
- prescriptions triggered by detections and predictions alerts.



Benefits

1. Operational problems reduced by 25-30% annually in the first 5 years;
2. 0 accidents and near-miss incidents within first year
3. Operational regularity increased by 25% annually in the first 3 years;
4. Unplanned Shutdowns reduced by 80% in the first year;
5. Asset condition improved by 35% annually in the first 3 years;
6. Corrective maintenance reduced by 30% annually in the first 5 years;
7. Process output (production) increased by 2-3% annually in the first 3 years;
8. Reduced Overall Costs in operations and maintenance by 5-10% annually
9. Regular inspection and preventive maintenance steadily reduced and replaced by the more effective and cost efficient predictive maintenance campaigns;

Efficient Industrial Operations and Equipment Reliability

- **Confidently Predict Problems**
- Reliably Prescribe Prevention
- Steadily Eliminate Disruptions
- Minimize HSE, Operational & Asset Integrity Risks

Highlight the Most Significant Abnormal Asset Behavior to Focus on

Business Rules & Data Driven

- **Automatic Real-Time Data Interpretation**
- Accurately Enacted Predictive & Prescriptive Models
- Digital Operational Preparedness Assistant

Intuitive and Smart Diagnosis and Decision Work Environment

80% Less Unplanned Shutdowns

- **0 Accidents**
- 10% Less Costs
- 3% More Production
- 35% Improved Asset Condition

25% More Operational Regularity in 3 Years

Implementing the hybrid engineering-analytical software functionality delivered by NetGas in the dispatch center of our customer – the sole operator of the complex national offshore natural gas pipeline network in Malaysia – we enabled the users there to perform from day one their mission critical task of operating the natural gas gathering and blending smoothly and reliably.

- Andy Leo, CEO, Protechnology



Using Microsoft Machine Learning to build predictive and prescriptive models, the users are equipped to understand fast potential critical industrial process disruptions and facility failures and guided in taking the optimal operational decision and performance maintaining measures



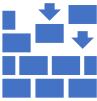
Instantaneous Understanding of Detected or Predicted Operational Problem

- Dynamically alert and visualize all asset problems ranked in the order of their criticality
- Display automatically most significant contributors and performance impact
- Display prediction confidence and lag time range



Every week, 3-5 operational problems less

- 10 times faster causal analysis, 3 times more successful
- Solutions to operational problems 30% less disruptive for regular operations
- Each solution to operational problems 5 times less expensive



Easy to install and adopt

- Faster to install than other software solutions and with minimum invasion in the existing IT ecosystem
- One shop stop for combined IT, software customization and business change, with minimum invasion into existing business procedural framework
- Deliverable as paid service, solution purchase or hybrid

Your operations are often hit by unexpected process disruptions and equipment breakdowns, which take your operators and engineers by surprise and hinder you in meeting performance commitments?

DictumPro: Our promise to you

Consider reaching breakthrough operational performance with an innovative, unique, but already proven approach from NetGas R&D enabling you to predict and prevent operational problems

An offer to get you started

If you are willing to spend one hour with us, we will show you in a demo how ActumPro works, how other companies implemented and operationalized it and what benefits they achieved

Tangible Benefits / Desired Outcomes

- Continuously reduce the industrial process disruptions and equipment failures in your operations with DictumPro predictive-prescriptive models
- Accelerate your DictumPro solution's operationalization by running it as a service from Microsoft Azure
- Trust the reliability of top Microsoft Machine Learning capabilities representing DictumPro's foundation

Why NetGas?

NetGas delivers advanced and performant solutions and consulting services, addressing core challenges in a variety of industrial environments, aiming significant operational and economic efficiency improvements. Embedding deep engineering knowledge into AI and analytics technologies, NetGas software based business solutions services distil huge amounts of various types of data and information, automates dynamic procedures and enables you to make best knowledge based decisions.