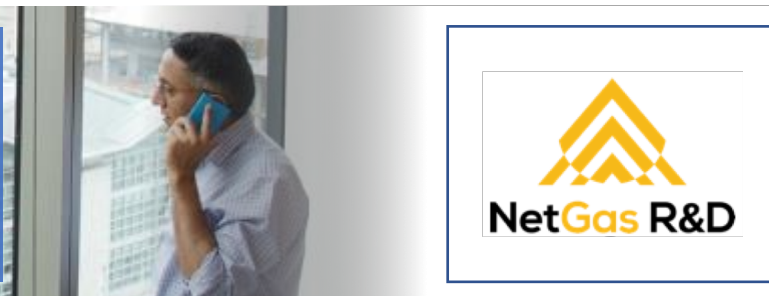


NetGas R&D

AdAstra



Management of manufacturing, logistics and industrial service companies need operational governance and right-time performance control



Challenges

Complex operations in volatile business face frequent untraced and unexplained disruptions. These lead to production or delivery loss, investigation and repair costs, eventual customer loss and accidents.

For many years, market studies by ARC, Forester, Frost & Sullivan, Accenture and many more show these challenges remaining, despite technology advances.

Industrial sites and airplanes accidents news show the undiminished high risk in operations



Ideal Solution

Operational managers actively seek KPI cockpit systems with high measurement actuality and accuracy and smart diagnosis ability in case of deviation from plan.

They expect the system to be used by whole staff as decision support and governance

The rate of acquisition of KPI monitoring systems and extensions to existing ones hasn't diminished for many years



Desired Outcomes

Customers don't want raw data with no actuality, they want smartly distilled information, meaningful for the user's task and characteristics of problems they face momentarily: understand, diagnose, decision criteria.

The hunt for successful use cases is best visible in professional social media forums and during economic sector specific conferences.



Intelligent Cockpit for Operational Performance Assurance

Actual Meaningful Information

Understand important performance criteria for everyone

- Get right information by the right user
- Get information when needed
- Accurate KPI measurement and information

Instantaneous Problem Identification

Get notified on problems and consequences

- Alert when problem occurs
- Automatic problem criticality calculation and dynamic ranking
- Such volumes of data handling and visualization possible with Azure and PowerBI only

Smart Problem Diagnosis

Understand problems

- System intelligence enables user to understand problem context
- Intuitive interface and system guidance lead to fast diagnose of the performance gap

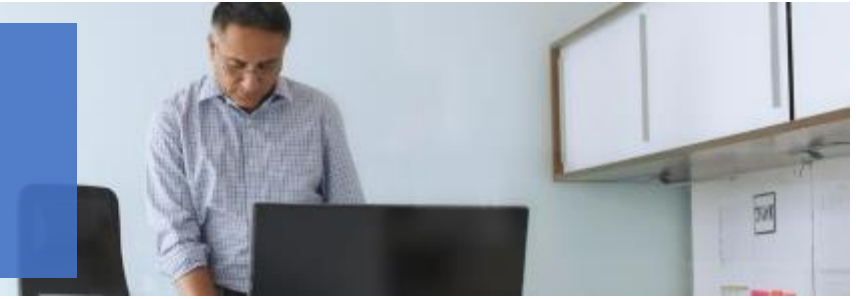
Decide Operational Solution Focus

Understand options for solutions to the problems

- What-if simulation of possible corrective measures give potential KPI value outcome
- Effort ranking gives operational handling focus

The management of a refining company who was managing their operations according to conventional Total Productivity Management (TPM) principles, stated after implementing NetGas' AdAstra: we accelerated the TPM problem solving cycle by factor 4.

NetGas R&D AdAstra + Microsoft Azure & PowerBI



Controllable operations and predictable performance through actual information meaningfully visualized and navigated

Solution Alignment

NetGas R&D + Microsoft PowerBI Big Data Processing

Ensure Interpretation of large volume of raw high frequency data into meaningful information

All your assets and sites transparently available at your finger tips



NetGas + Microsoft AdAstra TPM model

Operational TPM management and governance procedural models act as digital assistants for the users

Reduce your monthly TPM cycle to one week



NetGas + Microsoft Azure Platform

Pay per usage, give access to your whole organization

Minimize cost of ownership while maximizing system availability and operational performance

