

Process & Manufacturing Industries

Industrial Data Analytics

Industrial Equipment

Process and Manufacturing industries use lot of expensive equipment in their manufacturing processes. Maintaining the health and reliability of such equipment is very important to maintain the required process parameters and output. Unforeseen breakdown of any critical equipment may result in shut down of the manufacturing process or the entire plant causing significant loss of profits.

Our software and solutions are designed to store and analyze data for various types of anomalies in all critical equipment in real time. This capability helps reduce forced outages!

Examples of some Manufacturing and Process industries that can benefit using our software -

- Fertilizer Industry
- Cement Industry
- Paper & Pulp
- Sugar Industry
- Textile Industry
- Rubber
- Plastics Industry
- Edible oil Industry

Reliability

ProcDNA can monitor the health of various critical components of industries in real time. A combination of **Artificial Intelligence, Statistical methods** and **Thermodynamics** are used for this purpose. Examples of various areas in process and manufacturing units in which anomalies can be detected –

- Compressors (Air and Gas)
- Pumps and Motors
- Turbines (Gas and Steam)
- Boilers
- Combustion related anomalies
- Heat Exchangers
- Generators and Transformers
- Process Anomalies (bleed valve leaks etc.)
- Emissions related anomalies
- Water treatment plants
- Chillers
- Condensers

Process Modelling

Real time Data Analytics

Remote Monitoring

Diagnostics

Alerts & Notifications

Offline Simulation

Historian Implementation

Reports & Automation



Reliability & Thermal Performance Analysis



Paper & Pulp

Fertilizer Industry



Textile Industry



Rubber & Plastics



To know more about our software and solutions, please visit www.patsimo.com or write to us at "info@patsimo.com"

