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MOLOS.CLOUD

INDUSTRIAL IoT PLATFORM FOR CONDITION BASED MOINITORING AND PREDICTIVE MAINTENENCE

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.CLOUD

Complete Industrial IoT Platform

- **MOLOS.CLOUD** it's the complete Industry IoT and Energy IoT platform dedicated to acquire, analyze and visualize data form various industrial processes.
- **MOLOS.CLOUD** implementation improves the digital transformation process through integration of the production data with the cloud and advanced analytic technology using Microsoft Azure.
- **MOLOS.CLOUD** enables effective remote monitoring, predictive and pre-emptive maintenance, and energy efficiency optimization.

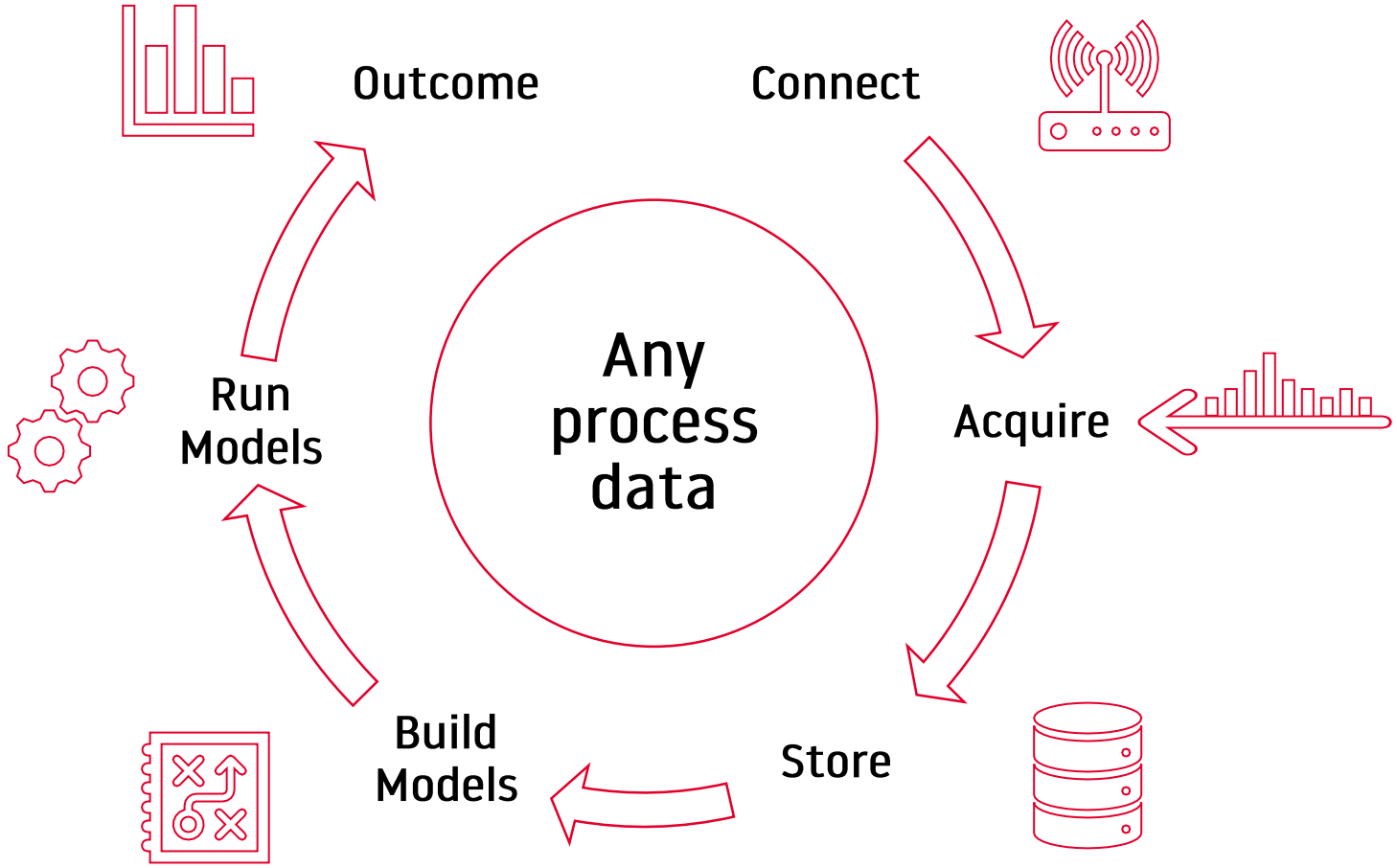
Idea / Approach

Maximize business benefits of available process data

- Web SCADA/MES view
- Connect to any OT / IT system e.g.: SCADA, BI
- Connect to any business system e.g.: ERP, Field Service

- Real time on-line monitoring
- Predictive maintenance
- Process optimization
- Energy effectiveness

- Predefined & custom
- Data science
- Expert methods
- Industry



Idea Turned into the Solution

MOLOS.CLOUD - IIoT monitoring and predictive maintenance framework

Visualization

Hardware

Basic scenarios:

- Remote monitoring
- Predictive maintenance
- Process optimization
- Energy effectiveness

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IoT framework powered by

Microsoft Azure

Analytics

Software

MOLOS .IOT

INNOVATE INDUSTRY FOR PEOPLE

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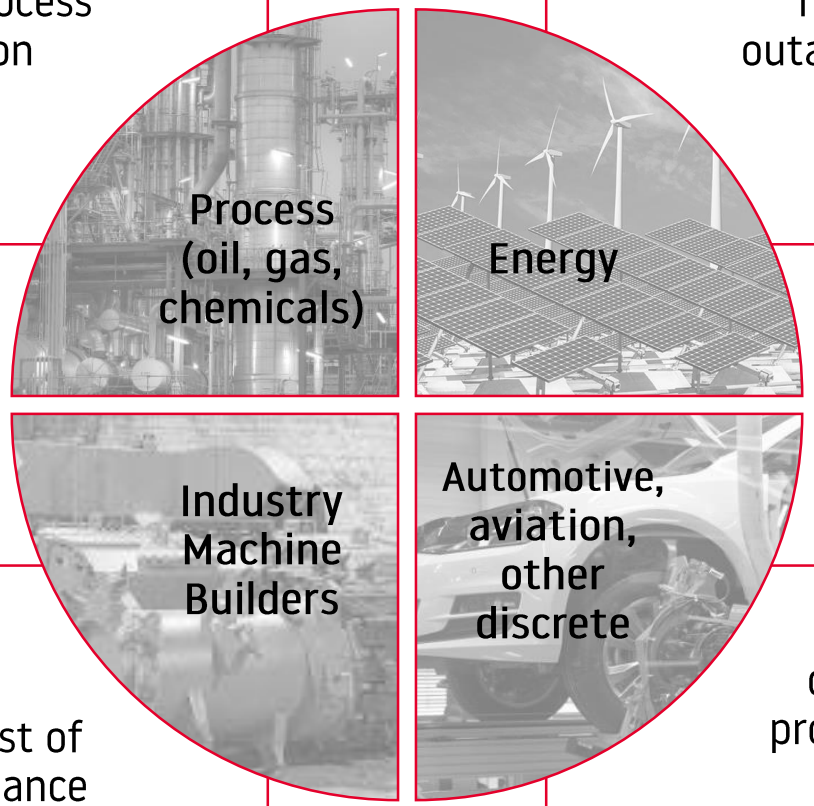
Market Needs

Safe, efficient, reliable and fast built solutions to:

e.g.:
- predict critical infrastructure failures
- optimize process control
- increase safety

avoid process disruption



minimize outages and blackout risk

e.g.:
- predict generation and distribution critical infrastructure failures
- DSR/DSM

e.g.:
- remotely monitor equipment efficiency
- introduce predictive maintenance as a service for customers

lower cost of maintenance

decrease production cost

e.g.:
- reduce misassembles
- introduce predictive maintenance, performance & quality control in manufacturing process

Solutions

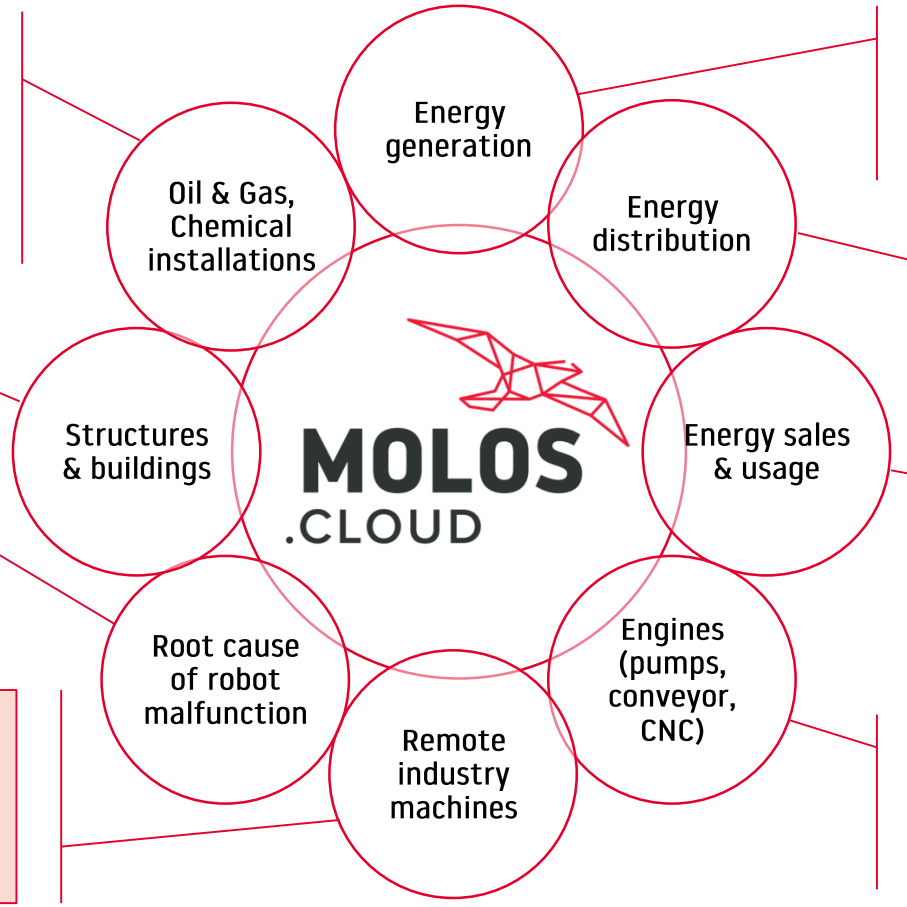
MOLOS.CLOUD meets industry needs

- Realtime process equipment condition analysis and predicting issues e.g.: corrosion inside pipelines, pumps failures
- Optimize process and product quality

- Monitor seismic activity and its impact on structures in a real time

- Discover the root cause of automated / robotic production line errors

- Monitor remotely state and operational effectiveness of mining machines
- Predict failures to build condition based maintenance plan



- Turbines vibro-diagnostics
- PV farms safety in case of fire
- Monitor and optimize solar panel generation

- Predict transformers failure and optimize load to extend lifespan
- Monitor and detect burnt fuse and connection box condition

- Monitor and optimize energy consumption in manufacturing
- Introduce Demand Side Management

- Predict failures
- Optimize Energy consumption
- Build condition based maintenance plans

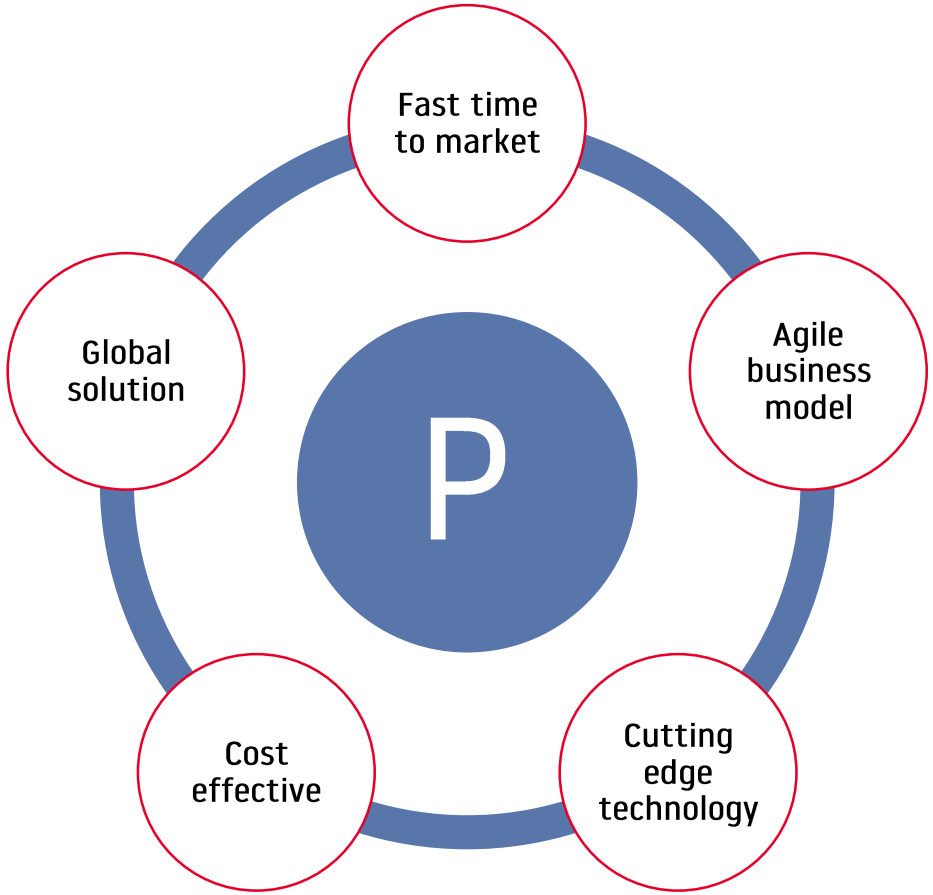
Key differentiators

MOLOS.CLOUD

- **Very flexible unique Industrial IoT** end-to-end platform to build and implement real time monitoring, predictive maintenance and process optimization solutions;
- **Quality and security** approved by a state-owned energy company;
- **Cloud based** – low entry and exit cost, **very fast deployment and PoC**, global by design (geographically dispersed assets, no infrastructure);
- **Flexible delivery:** shared SaaS, dedicated SaaS, customers own cloud;
- **Hybrid** and on-premise/edge installations possible;
- **Predictive maintenance engine** for standard SCADA and historian systems;
- **Integration with** zenon, Asix and PI System ready, other are on the way with standard connectors available;

Partnering with Microsoft Partners

Where REDNT brings business value in ISV Partner trough Partner



Working with Partners

- Define customer needs
- Design a solution
- Do a feasibility study
- Agree on a business model
- Build a prototype
- Address the market

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We will be happy to cooperate!

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