

Data Science

RCIP



RED CARPET INCUBATION PROGRAM

A bundled set of software and services to jumpstart Industry 4.0 and Industrial IoT initiatives

With RCIP, manufacturers can use operational data, data science, and advanced analytics to:

- Improve processes • Reduce costs • Create new lines of businesses
- Streamline data preparation • Shorten project timelines • Deliver clear ROI



Craft Brewery
(USA)

Postponed an \$8 million capital upgrade by making existing brewing processes more efficient



Multinational Chemicals
(Germany)

Applied predictive analysis and forecasting to adhesive manufacturing



Metals & Mining
(Canada, USA)

Piloted predictive maintenance on mining trucks to minimize downtime and reduce costs



Water Utility
(Poland)

Reduced fault detection time, improved network diagnostics, and reduced network faults

What do you want your data to do?

- **Forecast events** defined by soft sensor measurements
- **Identify operating parameters** that extend life of equipment
- **Predict maintenance** on assets costly to repair
- **Prescribe operating parameters** to improve production



DISCOVERY

- Define the use case and success criteria
- Generate initial hypothesis
- Collect relevant data and context

EXPLORATION

- Create a data model in the PI System
- Run experiments in Azure Machine Learning
- Update hypothesis and iterate

DELIVERY

- Configure PI Vision and Power BI displays for insight
- Present RCIP results to stakeholders
- Educate and handover

OSISOFT

Account Manager
RCIP Technical Lead
RCIP Program Manager



YOU

Business Sponsor
PI Admin Lead
IT Architect
Subject Matter Expert



MICROSOFT

Account Manager
Azure Data Science Lead