



Better decisions for Industrial Operators Powered by Artificial Intelligence

We unify stranded assets, expose blindspots, and operationalize change.

Having a deep understanding of existing and emerging customer challenges is a differentiator. Our clients benefit from our deep knowledge of operations & information technology, industrial process control, and data science in their never-ending drive for excellence in **throughput, cost, compliance, and safety**.



We have walked in our customers shoes and are intimately aware of pain points



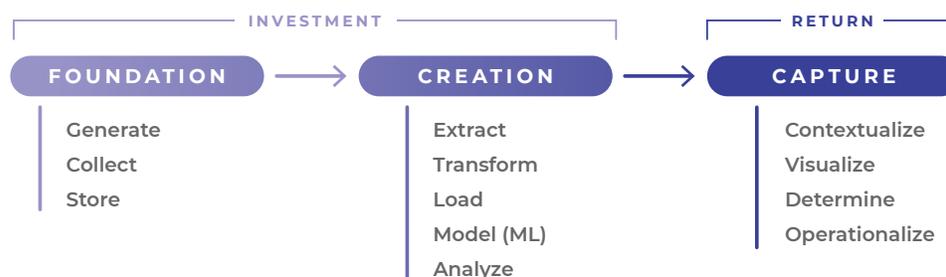
We understand how to capture the full value of data's utility



We provide contextualised insight that results in faster, more informed decisions

Capitalize on data's utility

Knowing what data is out there and making it available to teams is foundational, but it's only a start. Our methodology helps ensure data's full value is realized.



It's not until a change to a physical, digital, or administrative process that value is captured.

How to engage with us

We will help you develop the capability to apply AI — through **Consulting** or through **Project Solutions**. If you are looking to immediately benefit from our lessons learned or from industry peers, we have **Software Products** available now.

Services

Our goal is to expose the hidden value in your stranded assets and help you put plans in place to unify them.

We've likely been in your chair before, understand the risks, and appreciate the dynamics of complex operations. Combining deep understanding of OT/IT architectures, and industrial data models positions us well to support **your** journey.

Products

The days of long and complex deployments are a thing of the past. Our software products are “Plug n Play” ready, subscription based, continuously improved, and immediately insightful.

Industry standard workflows, reporting, notifications, and visual insights.

Our Product Portfolio is organized by **Operational Themes** — each with one or more products. Customers have the option of subscribing to a single product, multiple products, themes, or our entire suite. The more products subscribed to, the more overlays, correlations, and confident predictions — the more value you extract from the subscription. Themes include:

Reliability and Availability

Logistics and Supply Chain

Throughput Maximization

Energy Optimization

Cost Excellence

Planning and Scheduling

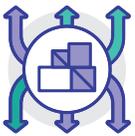
Emission Management

Safety and Integrity

Performance Monitor

System Assurance

Products in market



Core [IC]

Core [IC] performs essential extraction, transformation, and loading (ETL) for high-value modelling and analysis. Similar to a microprocessor in a computer, **Core [IC]** performs calculations, houses models used in machine learning, and generates the predictions used across our product portfolio.

In addition to **casting insights**, **Core [IC]** manages data flow, ensures quality assurance and quality control, and provides audit services when traceability is required.



CriticalDefeat [AI]

To minimize the likelihood and severity of accidents in Industrial operations, layers of protection are added to ensure an appropriate amount of risk mitigation. However, it is often necessary to remove layers of protection, such as for maintenance or other operational reasons.

Whether it's isolating or bypassing, teams are constantly manipulating safety-critical equipment.

CriticalDefeat [AI] reports on the controls associated with layers of protection and generates real-time operating risk insight.

By comparing what controls are bypassed against the design-basis (i.e. shutdown keys), **CriticalDefeat [AI]** qualifies and quantifies changes to layers of protection and the resulting effects on operating risk.



ProTrack [AI]

Modern plants have thousands of control loops and only a handful of operators to manage them. Typically, loop performance degrades due to equipment degradation. Symptoms of poor performance are loops in manual and process variables that fail to track setpoint. Given the sheer number of loops in large facilities, poor performing loops are often hidden.

ProTrack [AI] provides an interface for stakeholders to understand what good performance looks like and to quickly identify bad actors. Real-time control loop collateral is pulled from the control system, compared to industry best practices, and presented in the form of key performance indicators.

ProTrack [AI] offers insight into areas that are causing undesirable ripple effects and points control room operators and maintenance technicians to exactly where the trouble spots are.



PanelManager [AI]

A day in the life of a Panel Operator reveals there is an incredible amount of information that feeds their HMI's and floods their electronic logs. Combing through logs (data) to pinpoint root cause or avoid a future outage can be difficult. With the introduction of zero-cost digital alarms and events, engineers have unintentionally created an incredible amount of litter; tens of thousands of alarms of events generated daily, sometimes hourly.

PanelManager [AI] provides insight on alarm and event performance, highlights bad actors, and benchmarks current plant alarm performance to ISA 18.2 standards. Insights drive and focus alarm rationalization programs, improve panel operator effectiveness, and ultimately, optimize plant performance.