

# Eviden Digital Twin

Eviden's Digital Twin method optimizes business KPIs like performance, product innovation, operability, and availability by facilitating monitoring, optimization, and automation. Physical assets and processes and virtual counterparts constantly learn from each other, positively influencing overall business outcomes.

## What We Offer

- A multi-dimensional assessment of mainframe application to determine business and technical parameters
- Tool-driven analysis of application source Inventory
- Understand application /data dependencies and interfaces
- Create a modernization roadmap, high-level project plan, and estimates for mainframe modernization

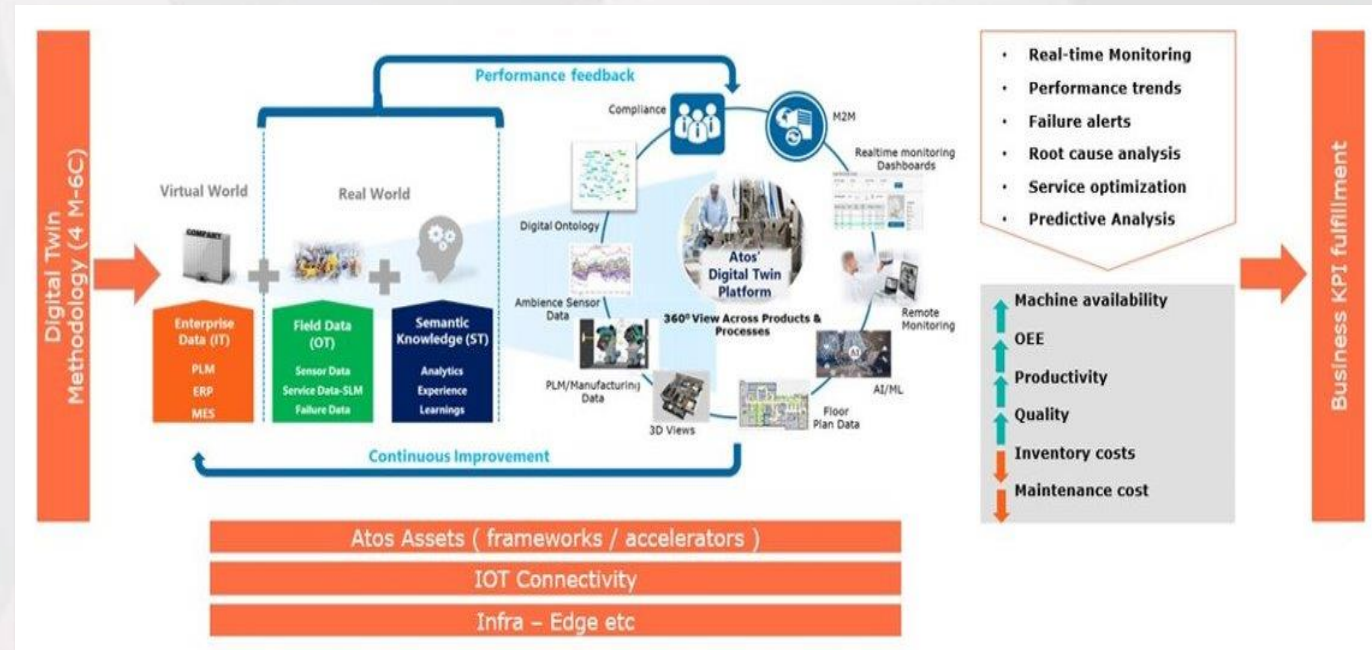


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## How it Works

Eviden Digital Twin solution is not only able to comprehensively provide a view of the real-time current state of all assets and processes but also to predict future events, estimate likely future state, and generate appropriate recommendations for actions by leveraging machine learning predictive and prescriptive models, developed by using Azure ML and Azure Databricks service.

## Execution Strategies and Solutions



# Eviden Digital Twin

## Customer Outcomes

Increased asset availability

Improved asset performance

Reduced operations cost

## Customer Success

**Company:** Service Provider in Renewable Energy Sector

**Solution:**

- Eviden utilizes IoT, data analytics, machine learning, and image recognition to analyze patterns and correlations in wind turbine operations.
- The findings are used to create a digital model, which is then enriched with real-time data and expert insights.
- This integrated approach results in the Eviden Digital Twin business solution.
- The solution is deployed to offer a comprehensive 360° view of assets.
- It also includes predictive capabilities, foreseeing potential failures in the monitored system.

**Outcome:**

- The solution enables real-time asset monitoring with an intuitive interface for quick location and selection of components from a 3-D digital replica.
- Access to all essential performance indicators allows for prompt actions by operators.
- Digital Twin improvements yield a 20% MTTR improvement, a 12% reduction in operational transportation expenses, and a 0.2% increase in asset availability.
- The solution predicts spare part needs, leading to a reduction in inventory costs.