



Smart Solution



Smart Asset Management

Industry and business context

Asset-intensive organizations are constantly looking for options to enhance their asset performance and reliability and improve their productivity while keeping maintenance costs down. To achieve dual objectives enterprises should not only optimize their workforce and work orders, but also inventory availability, supplier related risks.

Innovative technological advancements now offer impressive capabilities to analyze enterprise physical assets-related data using data, coupled with advanced analytics and in doing so, enable businesses to make the right decisions at the right time.

Our solution

Capgemini's Smart Asset Management provides organizations with a holistic view of their assets, workforce, work orders, inventory and suppliers to facilitate decision making at various levels of organization.

The solution integrates innovative analytical and AI/ML algorithms to generate actionable insights. Analytical components are built on R/ Python language with visualization through Tableau/ PowerBI.

Components

The solution comprises of the following components:

- 450 Industry standard KPIs - BS PAS 55:2008, BS EN 15341:2007, SMRP, ISO 55001
- Data model for industry standard KPIs
- 200 visualization components on BI tools
- Insights, recommendations and alerts
- 20 configurable analytical models
- Digital co-worker (chatbot)
- Semantic layer for self service.

Solution modules

Various models highlighted below, help organizations achieve efficiencies in operational costs as well as making CAPEX decisions.

- **Asset Reliability**, to indicate asset availability, downtime and prediction of time to failure
- **Operational Cost Management**, to track maintenance spend and help plan for upcoming expenses
- **Asset Decommissioning**, right time to replace instead of maintenance
- **Workforce Management**, for utilization, cost and effectiveness
- **Inventory Management**, to ensure zero delay due to stock-outs
- **Work-order Management**, focused to identify inefficient practice
- **Supplier Management**, to ensure efficient procurement.

Contact our team to see how our Smart Asset Management team can help your organization.

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People matter, results count.

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