Real time and continuous inspection of equipment in the production lines is essential. However, manual inspection leads to time consuming and costly downtime. Wipro's Intelligent Asset Management Solution addresses this issue by leveraging a digital twin of the components to be inspected, in turn delivering near-zero downtime for machines and empowering production line managers to address problems immediately.

**Wipro’s Intelligent Asset Management Solution**

Real-time digital twin integrated with SAP S/4HANA

**Key takeaways**

- Leverage Virtual Reality and the power of SAP S/4HANA to achieve an immersive experience with real time data to assess a situation.
- Gain 24X7 access to your equipment with operational status and health visibility at all times.
- Optimize spare parts management with inputs from failure data and service requirements.

Intelligent management of assets with improved production efficiencies and product quality.
Solution features

**Asset monitoring:** Monitor the health of the asset for a given functional area for any anomalies

**Failure prediction:** Enable predictive analysis of the asset based on the ageing of the equipment

**Operational analytics:** Analyze failure patterns, trends and maintenance solutions, adopted in real time, and initiate the right preventive actions

**Remote maintenance:** Perform root cause analysis remotely with IoT data simulation and share annotations of the problem with the shop floor line manager using a digital twin

Zero touch monitoring and maintenance of online equipment to enable instant response to any failures

Business benefits

- 10 to 30% reduction in revenue losses due to lower machine downtime
- 10 to 20% reduction in overhead costs as this provides a virtual connect between product engineer and line manager
- 20% increase in asset life
- 10% increase in uptime and productivity due to real-time monitoring of machine and failure prediction leading to reduced downtimes