




# TMAP Connect.AI

Turning IoT Data into Actionable Insights  
Enhance Asset Performance and Increase Uptime

## Overview


TMAP Connect.AI enables businesses to overcome machine disruptions and unplanned downtime by leveraging existing IoT and telematics data with advanced AI models. This provides insights into machine use, seamlessly, and finds anomalies with unparalleled accuracy.




**Increase Uptime**  
Predicts failures, identifies causal parts, detects early warnings  
Reduce unplanned equipment downtime by **40%**



**Drive Cost Reduction**  
Reduce costs with predictive maintenance by **20%**








**Improve Asset Lifespan**  
Increase equipment lifespan by **30%**



**Focus on ROI**  
Drive significant benefits to aftermarket service operations utilizing existing IoT data

## Features

-  **Failure Prediction**  
Employ machine learning models to predict failure probabilities for components, incorporating survival and cost analysis.
-  **AI Alerts & Uptime**  
Monitor critical events, identifies outlier values from sensors, and tracks uptime and downtime to optimize maintenance. Uses historic data and predictive models to forecast and prevent equipment breakdowns.
-  **Asset Utilization**  
Calculate total cost of ownership, remaining usable lifetime, Mean Time Between Failures (MTBF), Mean Time to Repair (MTTR), fuel consumption, optimize service scheduling with utilization analytics.
-  **Early Warning Indicators**  
IoT sensors values and error codes to identify potential quality issues early to enable proactive service campaigns and recalls.
-  **API Integration**  
Connect with external systems through APIs, offering a comprehensive digital representation of equipment.



### **Model Operations**

Monitor and manage Machine Learning model performance at scale and overtime with built-in monitoring, configuration, re-training, and deployment features.



### **Data Monetization**

Enable tiered subscription models utilizing advanced equipment analytics for revenue generating opportunities for business.

## **Why Choose Connect.AI?**



### **Industry Expertise**

Leading Digital Transformation in aftermarket operations for over 24 years, Tavant enables organizations to enhance service operations and customer value with predictive analytics and IoT data.



### **Enhance Existing Infrastructure**

Works seamlessly with your existing telematics and IoT systems, providing actionable insights without requiring significant additional investment.



### **AI-Powered Insights**

Converts raw IoT and other systems data into actionable recommendations, reducing total cost of ownership (TCO), extending machine lifespan, and improving uptime.



### **Improve Parts and Service Sales**

Drives significant growth by enabling informed, proactive customer engagement on service and component sales opportunities.



### **Reduce Repair Costs**

Predictive failure models enable a proactive approach to maintenance, leading to a ~20% reduction in repair expenses compared to reactive break/fix methods.



## **Deploy Today, See Impact in 12 Weeks!**



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