bimser

TOYOTETSU

🏭 Automotive Parts

◎ Turkey

👥 1270+ Employees

- Digitalization provided a more efficient working environment.

- **Workflow accelerated with fast access to data.**

- Detailed analysis supported management decisions.

- **Reduced paper use, minimized environmental impact.**

- Fast flow of information and quick resolution of problems.

*For 2024, we are successfully progressing towards our goal of achieving **a minimum 10% reduction in downtime by starting to use the Dashboard application effectively.***

About TOYOTETSU

Toyotetsu Turkey was established in Gebze TOSB in 2001 and started production in 2002. With a 62.700 square meter closed area, the company has 2 factories, 1 R&D Center, 1 mold factory, 180 robots, 7 transfer, 3 blanking, 3 hot pressing, 3 laser cutting and 4 tandem press lines. The company has a total of 1270 employees. Toyotetsu Turkey serves as the only production and R&D Center in the European continent among the group companies producing high-strength cold and hot formed automotive body and chassis parts.

Needs

Before using BEAM, Toyotetsu managed assets on paper and Excel spreadsheets. These analog methods made it difficult to track the addition, movement and removal of assets. Keeping records of maintenance and breakdowns was cumbersome, reporting and tracking historical records was time-consuming, which reduced the efficiency of business processes and increased the error rate.

As the needs of the organization grew, these legacy solutions proved inadequate, making it important to look for a more effective solution. BEAM provided a more effective solution that responded to growing organizational needs.

Bimser BEAM Enterprise Asset Management System

BEAM Enterprise Asset Management solution covers all asset-related processes, from adding assets to inventory to scrapping them. The solution also identifies the causes of asset failures, compares the purchase price of your assets in foreign currency with the cost of materials and labor spent on the asset, and provides your management with information to support their decisions on the economic life of your assets.

Why Bimser BEAM Enterprise Asset and Maintenance and Repair Management System?

Toyotetsu chose BEAM to ensure effective asset and maintenance management. The main objectives and KPIs of the project were:

Complete Recording of Work: Accurate and complete recording of all maintenance and repair work and tracking of time periods.

Fast and Useful Reporting: Improving decision-making processes with fast and useful reports.

> **Toyotetsu has digitized asset and maintenance management with BEAM, enabling rapid detection of faults and automated maintenance processes where analog methods are insufficient.**

Hüseyin Kılıç
Robotic Automation and Vocational Training Specialist

Visibility of Retrospective Work: Past maintenance and repair work is accessible at any time.Automated

Scheduled Jobs and Alerts: Automation of planned maintenance jobs and management of alerts by the system.

During BEAM implementation, asset management was grouped into resource and press sections. Machines were tracked by making special definitions for their malfunctions. Technicians increased compliance and efficiency by using mobile applications in the field. ERP, QDMS and Energy Monitoring integrations were also planned with the "Smart Factory" application.

Results And Achievements

The benefits and results of the project have been quite significant:

Elimination of Paper Processes: All paper processes were digitized and eliminated, resulting in a more efficient working environment.

Fast and Easy Access: Quick and easy access to the requested data was provided, making the workflow faster and more efficient.Effective Mobile

Application Usage: Technicians' data flow was made more efficient through the mobile application. Efficiency in the field increased and work was completed faster.

Advanced Reporting: Thanks to reporting capabilities, it was possible to analyze events in more detail. This enabled management decisions to be based on a more solid foundation.

Otomatik Uyarılar: Otomatik uyarılar sayesinde ilgili kişilere hızlı bilgi akışı sağlanarak sorunların daha hızlı çözülmesi ve önlenmesi sağlandı.

Canlı İzleme ve Analiz: Dashboard üzerinden canlı izleme imkanı sağlanarak, analiz ve aksiyon alma sürecinin hızı artırıldı. Bu da iş akışının daha verimli ve etkin olmasını sağladı.

Bimser ile Uzman Çözüm: Bimser'in uzmanlık alanında deneyimi, iletişim kanallarının açık ve etkili olması, iş gereksinimlerinin tam olarak anlaşılması ve müşteri odaklı yaklaşımı sayesinde proje başarıyla tamamlandı.

Sustainability and Efficiency: Sustainability and efficiency were achieved thanks to the project's compatibility with different infrastructures, integration with various departments in the factory and reduction of paper usage. This contributed to the fulfillment of the company's environmental responsibility.

Asset Tracking: BEAM facilitated the addition, movement and removal of assets.

Maintenance and Breakdown Records: BEAM enabled maintenance and failure records to be kept effortlessly.Reporting and

Historical Records: BEAM accelerated reporting and tracking of historical records.

Low Productivity: BEAM increased the efficiency of business processes.

High Error Rate: BEAM reduced the error rate.