

Powering a Digital Solution to Monitor and Manage a MedTech Leader's Manufacturing Facilities across 150 locations globally.

Client Overview

The client is an American multinational medical technologies corporation based in Michigan. They develop implants, surgical equipment, navigation systems, and other medical device products in various medical specialties.

Client Objectives

The client was looking to enable integrated plant visibility across legacy and disparate data sources such as ERP, MES, SCADA, etc., from a single system for decision-making on operations across the plant, product, and people hierarchies.

In this journey, 4 plants were selected for development of the system and pilot implementation/testing of the system before a global rollout. The business challenges that had to be addressed were as follows -

- Multiple manufacturing sites with distinct ERPs, MES, SCADA, machine systems
- No standardized metrics and KPI calculations across the organization
- Manual and time-consuming reporting
- No shop floor to top floor visibility to management across sites

Solution & Implementation

- Proposed and developed a Business Intelligence platform, **YASH Boards**, for Shop floor to Top floor visibility and alignment and to support periodic reporting of strategic metrics for manufacturing KPIs related to Safety, Quality, Cost, Delivery, etc.
- Enabled decision-making to the leadership across People, Plants, and Product hierarchies with better visibility
- Provided the Single source of Truth for all leadership reporting needs and decision making
- Following business benefits are envisaged through the system designed and developed
- Easy accessibility of information for daily production management processes
- Drive standardization of measures, reporting, and daily process optimization
- Less time spent on data collection and analysis, allowing more time to drive improvements
- Data analysis for faster decision-making with aligned data cascaded through tiers
- Eliminate manual data crunching and data errors and automate regular reports
- Enable decommissioning of legacy reporting technologies currently used for plant reporting

Outcomes

The client realized benefits that included:

- Better accessibility to the production data management process resulted in
- 21% increase in Work-In-Progress Inventory Value
- 43% reduction in scrap volume and
- 5% improvement in RFT (Right First Time)
- Factory staff productivity increased by approx. 14% with aligned data cascaded through tiers
- Automated real-time data reporting and visualization resulted in an 18% improvement in machine OEE (Overall Equipment Effectiveness)

For more information contact YASH today at info@yash.com or visit www.yash.com