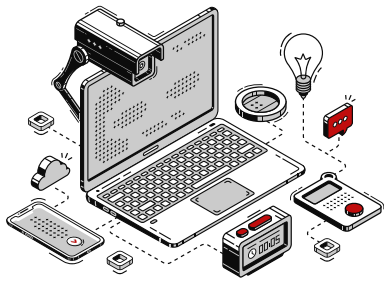


# DATAMATICS

MANUFACTURING

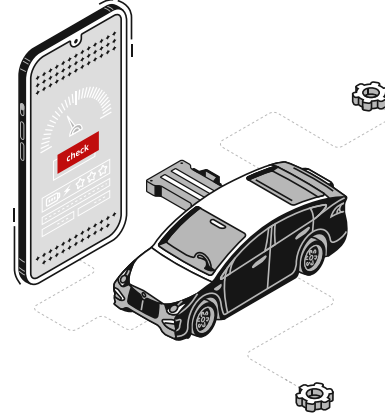
# ADVANCED ANALYTICS SOLUTIONS





With the **arrival of Industry 4.0** and the Industrial Internet of Things (IIoT), a digital transformation is currently underway. Equipment connected through sensors and edge devices feeds massive volumes of data to cloud-based analytics platforms that can analyze and understand data faster than human perception. This data can then be used to drive real-time decision-making and significant process improvement throughout the company.

Posing as a challenge to the Manufacturing segment, many companies still use fragmented, traditional methods for data capture, with staff manually checking and recording factors, filling forms, and writing down operation and maintenance histories for the machines on the floor. Unfortunately, these methods are highly inaccurate due to human errors. They are also time-consuming, open to bias, and do not generate the quality of analysis required for accurate decision-making.



Datamatics understands this challenge and hence have actively partnered with clients on Data Ecosystem Consulting and Analytical interventions. Data Ecosystem Consulting played crucial role where the data capture was still rudimentary, and hence data capture process was set-up in discussion with Operation and Senior Management. In cases where Data was adequately flowing in and managed well, there AI/ML/IOT based Analytical scripts/ solutions which use of machine, operational, and system data to manage and optimize production, including key functions such as such as maintenance, quality, and planning. With accurate and real-time data, manufacturers can make better, faster decisions.

## We have seen these models to be extremely effective in:



Production Planning



Risk



Fault Prediction



SKU target optimization



Preventive Maintenance



Supply Chain



Demand Forecasting



Inventory Management

# OUR SUCCESS STORIES

## Optimized production planning & improved machine efficiency for a glass packaging manufacturer

Datamatics designed a 1-Click Script which presented Production forecast and plan for each month at click of button

As for improving Machine Efficiency, our team finely studied the existing data sources and the available data to identify decision rules which can be leveraged to build data analytics models

Optimized furnace draw through effective SKU sequencing based on critical production parameters leading to significant reduction in job run-times

**25% REDUCTION**

in defect rate

First level solution developed in form of simulators to work on defect minimization

## Implemented TruBI to generate smart multi-view reports for cash flow, operation efficiency & transport log analysis for a logistics company

**60% REDUCTION**

in cycle times

**30% IMPROVEMENT**

in data classification

**50% REDUCTION**

in turn-around times

## A pharmaceutical giant improves process efficiency with clinical document & compliance management solution

**50% IMPROVEMENT**

in efficiency of print & approval process process achieved

**70% REDUCTION**

in manual intervention

## A leading adhesive manufacturer gets better insights on buying trends

Implemented data visualization model to provide advanced analytics components to analyze data from various geographies and departments

## Leading tyre manufacturer enhances data transparency & generates ad-hoc reports with TruBI

Built a central repository for MIS reporting & implemented TruBI to improve real-time dashboards & analyze problems, as they occur, over the web anytime anywhere.

DATAMATICS  
**Deep in  
Digital**



## ABOUT DATAMATICS

Datamatics enables enterprises to go Deep in Digital to boost their productivity, customer experience, and competitive advantage. Datamatics' portfolio spans across three pillars of Digital Technologies, Digital Operations, and Digital Experiences. It has established products in Intelligent Document Processing, Robotic Process Automation, AI/ML models, Smart Workflows, Business Intelligence, and Automatic Fare Collection.

Datamatics caters to a diverse global clientele across Banking, Financial Services, Insurance, Healthcare, Manufacturing, International Organizations, and Media & Publishing. The Company has a presence across four continents with significant delivery centers in the USA, India, and the Philippines. To learn more about Datamatics, visit [www.datamatics.com](http://www.datamatics.com)

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