

Production Planning and Reporting Software Modernization

For a Flexible Intermediate Bulk Container (FIBC) manufacturer

PROJECT OVERVIEW

The customer's existing MS Excel-based reporting system was not able to provide the required insights for production planning, leading to increased costs. They needed a unified solution to effectively monitor machinery, human resources, stocks, and orders.

 <p>Capability Enterprise Software</p>	 <p>Industry Manufacturing</p>	 <p>Country US</p>
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KEY FEATURES

The reporting system helped the manufacturing company track and measure production against the set goal, ensuring better planning and optimum plant capability & resource utilization.

▶ Intuitive dashboard

Unified platform to effectively track the entire production process, from inventory to production & planning to report, with a process-controlled mechanism.

▶ Reporting Automation

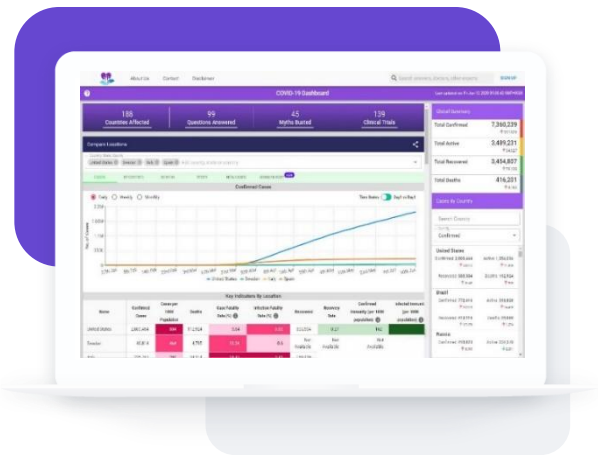
Offers interactive & intuitive reports, analytical reports, charts, graphs, etc., for all production process stages, including raw material expenses, labor costs, etc.

▶ Order Projection & Mapping

Reporting system helps with demand forecasting by mapping the projected orders and inventory levels

▶ Inventory Management

Visibility into material flow across departments - from the warehouse to the production line to avoid overstocking & understocking.



CHALLENGES

- ▶ Very high production cost due to no insight on materials required and used
- ▶ Manual MS Excel style reporting process
- ▶ Lack of business visibility in terms of production, inventory and sales plan
- ▶ Difficulty in resource/labor allocation across the entire production process

SOLUTION

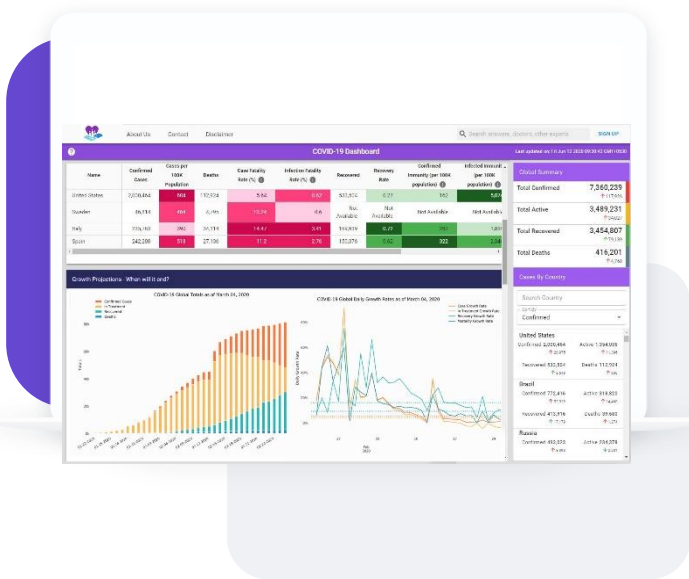
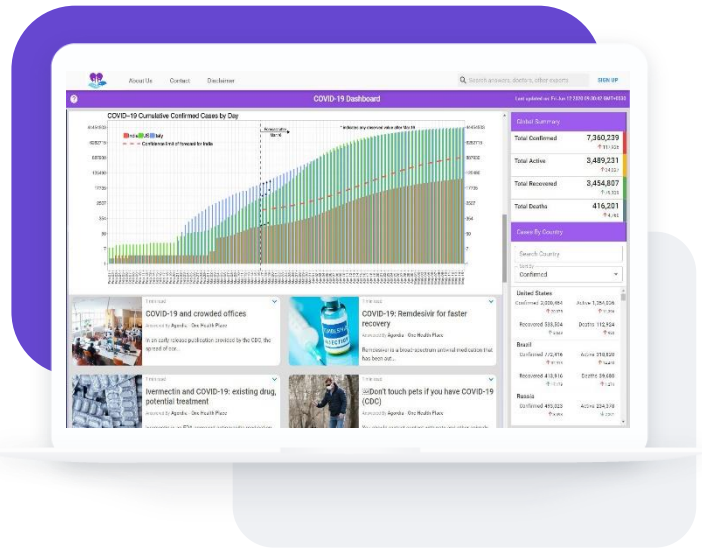
Our team revamped the Production Planning and Reporting Software to help enable tracking & management of daily production processes, production estimation planning, and streamlining of related processes. The modernization initiative was divided into various phases – from upgrade & integration for accurate tracking & measurement, to improving the application's interface.

System Upgrade

- Our team utilized Microsoft.NET to develop a scalable platform for production planning & reporting. We utilized [ASP.NET GridView](#) for easy insertion, deletion, sorting, and paging for record elements.

Real-time Reporting Mechanism

- We developed a custom reporting engine component that generates real-time production reports with a custom drag & drop option in Gantt style or interactive scheduling mode based on KPIs and metrics.



Planning & Integrations

- We designed planning modules to map the client's production cycle. Our specialist team integrated the developed application with the client's existing Microsoft Dynamics GP 2010 database. This enabled seamless data extraction & sharing between ERP, accounting, HR, supply chain management & other applications.

User-friendly interface

- As the client's staff was used to Microsoft Excel for performing daily tasks, we designed the interface to keep the look & feel intact and ease up the user experience of the modernized software. We utilized .Net Charts and Bootstrap for UI. Our team has an in-depth understanding & exposure to using [Chart Helper](#) to export report data into MS Excel or PDF or share it via email

TECHNOLOGIES & TOOLS



BENEFITS

50%

reduction in production cost

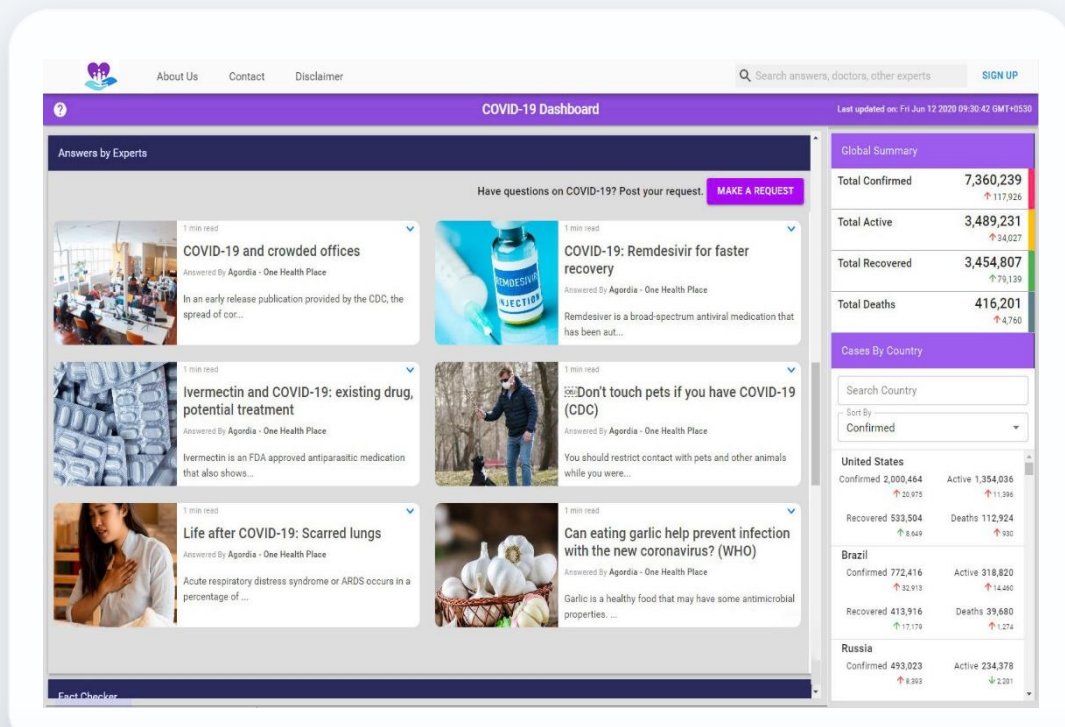
100%

accuracy with automated data collection

30%

increase in inventory management efficiency

PROJECT SNAPSHOTS



ABOUT RISHABH SOFTWARE

We are a global provider of enterprise-grade web, mobile, cloud, and analytics solutions. As a CMMI Level 3, ISO 9001 and 27001 certified software development company, we have two decades of service excellence delivering 1000+ successful projects globally, including the USA, UK, Europe, Middle East, and Australia.

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