

QAD eB2.1 was the 'best fit' for DTL's Automotive and Aerospace components manufacturing business.

Dynamatic Technologies Ltd. (DTL)

The Company

Dynamatic Technologies Limited (DTL), Bangalore, INDIA is the largest producer of Hydraulic Gear Pumps in Asia and one of the top five Hydraulic Gear Manufacturing Companies, worldwide.

With state-of-the-art manufacturing facilities in precision engineering, DTL also has diversified into a number of related areas like Aerospace and the Automotive Components sectors. DTL produces highly engineered products for the following applications:

- Automotive Sector
- Aerospace & Defence Sector
- Agricultural Equipment Industry
- Construction Equipment Industry

Business Issues

Dynamatic Technologies was no stranger to QAD's MFG/Pro as it was in use at the Bangalore manufacturing location, even before the partnership with ITTI commenced, in 2007. The usage of MFGP/Pro was limited to Purchase orders and Sales Invoice Printing being carried out on the system. Financial Accounting, Inventory Systems and Planning were handled manually thus leading to under-utilization of the ERP system.

CASE STUDY



Enterprise
Business
Solution

Manual BIN card system was prevalent and the Overhead and Inventory costing (during the manufacturing process) were calculated manually through Excel spreadsheets. The Inventory accounting system was handled in a disparate system. The stock control and invoicing at the 4 branches in India also followed manual processes.

The limitations of these several disconnected systems augmented with the manual processes meant that preparation of Statutory & MIS Reports were an extremely time consuming process, prone to errors (on account of high level of manual intervention), and, thereby, a huge 'pain area' for the Users.

Solution Proposed by ITTI

A Business process re-engineering was conducted for the major processes like Purchase, Job work, Sub contracting, Quality, Manufacturing, Tooling, Sales, AP and AR. It was modeled to integrate all the processes to get accurate Costing for the Raw Materials, Packing Materials and the Finished Goods (FG). The Bill of Materials was structured to minimize the loss of Production. A standard job work process was established to capture the Overheads. Product Costing process was modeled to achieve an accurate Cost for the FG. HO and Branch Sales were integrated through Sales and Purchase modules.

Individual Trial Balances for Branches and HO, individual AR Ageing and AP ageing, handling of Intercompany Account, separate Stock Valuation in Financial Ledger, better access controls, branch wise comparison from HO, branch wise Budgeting were some of the critical deliverables towards the Business.

A Standard Code of Accounts and a robust Tax Usage setup and processes were established in this implementation. The Stock ledger, Inventory Valuation Report, Line-wise costing report and HO/Branch Sales are some the critical reports that have been delivered.

Using the Process flow diagram in QAD Desktop 2 version, the clarity of the processes were communicated to the Users. DTL implemented a third party software (iTax from Udyog Software) specializing in the Indian Tax and Excise regulations and ITTI's Project team integrated this third party Software with QAD. With these significant improvements in place, the business processes became more controlled and accurate. The Inventory and Sales are now visible to the top Management at





ITTI & QAD

ITTI's QAD Practice is well established as one of the leading QAD Teams in the Asia Pacific region.

Our Partner Alliance with QAD Inc. gives our Teams unparalleled access to Pre-Sales and Marketing support, Technology updates, Product capabilities, and, a suite of world-class products that are then translated into innovative solutions and services for our Customers

Over the years, ITTI has acquired significant domain expertise in the Manufacturing vertical (Discrete & Process Industries); and, successfully demonstrated our implementation and support capabilities in the CPG, Food & Beverage, Retail, Automotive, Pharma & Electronics Industry verticals.

ITTI has acquired a wide portfolio of Customers around the world, and, many of them are marquee names in Industry. Our QAD Customers include General Mills, Akzo Nobel Coatings, Dynamatic Technologies, Visteon Automotive, Ford, J-Cortes Cigars, Halla Climate Controls, to name a few...

Salient features of the Solution

DTL has its branches all across India. Each of the Branches was using their own custom built solution for Sales and Stock Control. This implementation brought all the branches and the HO into a single Database connected through VPN. Stock Transfer between branches were simplified and standardized. Branches' receipt and Sales were modeled through the dispatch accounting model and Branch wise sales became more visible through trail balance. The collections are no more manually reconciled but can be monitored online by the top management online. A controlled process of scrap accounting system has been implemented which resulted in significant saving.

The process of Consolidation for all the Business by Entity and Domains has been put into place which gives top level reporting. Data securities at HO and Branches across business were adequately implemented.

Company	Dynamatic Technologies Limited
Product	Hydraulic Pump, Parts of Aircraft, Aero tools , Trading of Pump components, Service & Consultations
Platform/Technology	QAD Eb2.1 CHUI in Progress OpenEdge Desktop 2 AIX Unix
Number of sites	7 Manufacturing locations, 5 branches
Delivery Model	Onsite
Project duration	Implementation: Sept 2007 till Apr 2008 Support & stabilization phase: May 2008 till Oct 2008



OPTIMIZING CUSTOMER VALUE
An ISO 9001:2008 & CMMi Level 5 Company