

# A Case Study :



**DynaCast** Solution Implementation on Microsoft Dynamics Platform

at

Patel Alloy Steel Pvt. Ltd., Ahmedabad.



# About Company :

- Patel Alloy Steel Pvt Ltd. (PASL) is a large-scale manufacturer of Graded Cast Iron and Spheroidal (Nodular) Graphite Iron (SGI) Castings.
- Built in 1982, starting with steel castings as main products, Patel Alloy Steel Pvt. Ltd. (PASL) has developed different grades of SGI castings as per the market need and established itself as a leading manufacturer of SGI casting parts on local and global market through consistent work of high quality. The company was an early pioneer in development of heavy weight castings for Plastic Injection Molding Machine and Wind Turbine Generator Industry.
- High-quality, competitive prices, in-time deliveries are only some of the advantages PASL offers to its customers.
- PASL can supply castings in proof or final machined condition. Paint-shop facilities are available to deliver casting in painted condition.

# Situation :

- In the highly competitive market of industrial castings, success depends on IT systems that drive internal efficiencies. However, at Patel Alloys a MS DOS based accounting system was being used along with some applications which were in isolation.
- Over time, the company found that the existing legacy system was inadequate for growing information needs of the organization and it was lacking proper management controls.
- The company wanted to deploy a fully integrated business management system to address challenges of rapid growth with respect to information access, and decision making.

# Requirements:

- PASL had a following major requirements:
  - Flexible and User friendly system which helps to Manage & Control Routine Activities.
  - Sales Forecasting and Material Planning
  - Daily Capacity planning, Heat Planning and Production Schedule
  - Product Costing : Activity Based Costing
  - Production : By – Product, Co- Product tracking, Melting / Material loss tracking, Power Consumption / Man- Machine hour booking, yield Analysis.
  - Quality : Product wise Q.C., Rejection tracking, Rejection Analysis and corrective actions
  - Plant Maintenance : Preventive , Break down Maintenance, Calibration & Next due date and Analysis
  - Accounts: Accounting Systems with Statutory Reports
  - KPI / MIS : Monthly Production, Estimated Vs. Actual Cost and many more
  - Analysis Reports: Department wise routine Analysis reports

# Solution:

- Patel Alloy Steel Pvt. Ltd. opted for a new IT solution based on Microsoft Dynamics NAV because it was the best fit for their operations.
- Microsoft Dynamics NAV was chosen for its performance in a number of key areas of functionality. It offers the company a powerful, yet cost-effective solution. It adapts easily across the departments.
- With the help of both the teams from Patel Alloys and Intech Systems it was implemented in a record time of three months and following modules implemented:
  - Sales Management
  - Purchase Management
  - Production and Planning Management
  - Store Management
  - Quality Control
  - Product Costing
  - Accounts with Indian Localization.
  - Plant Maintenance
- All management controls at each stage with Intech's team and required checks were incorporated.

# Benefits:

- All the business processes as per the requirements implemented easily across the organization.
- Patel Alloy Steel Pvt. Ltd. is better able to meet its business objectives with the Microsoft Dynamics NAV implementation. The new system is capable of supporting its specific and ever-changing needs.
- Using the new solution, PASL was able to manage & control an unlimited number of activities running within a project, streamline budgeting, resource management, Product Costing, Quality Analysis and integrate the information with financial data.
- Employees are able to collaborate more, as they all have access to the right information at the right time
- Whatever investment was made in implementing Dynamics NAV ERP, 10 times the amount has been recovered in the first year itself.

# Testimonial:

“ Whatever investment was made in implementing Dynamics NAV ERP, 10 times the amount has been recovered in the first year itself.”

**- Mr. Abhishek Jhaveri (Director) Patel Alloy Steel Pvt. Ltd**

# Contact Us:

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