

# CASE STUDY – SHARDA DIESELS

Sharda Diesels chose Crest ERP to maintain its manufacturing excellence

## ABOUT SHARDA DIESELS

Reputed ISO-certified system integrator for Mahindra & Mahindra Ltd. for their Mahindra Powerol brand of Diesel Generating (DG) sets and winner of Mahindra POWEROL PANCHRATNA YOJNA™ Award for Excellence in Manufacturing. The company is diversifying into L.T switch gears and control panels, pumps for Industrial and fire fighting application, gensets for special applications etc.

## PROBLEM STATEMENT

Sharda at present makes DG sets in the 5 KVA- 500 KVA rated throughput range around Mahindra powertrains. Almost all critical components are bought-out, while it makes enclosures in-house. The finished products must offer 100% reliability under various operating conditions across the world. Sharda serves a nation-wide dealer network. It also must administer AMC and Warranty for its customers, offer after sales service and ensure parts availability across markets

### Operational Complexity

The variety of components and finished products makes operations reasonably complex with respect to sourcing, production planning, material requirements planning and shopfloor control.

### Quality Management System

There are added requirements to follow standard processes and maintain adequate documentation to adhere to ISO standards

### Lack of Integrated System

Sharda was managing its operations with a desktop-based accounting system and spreadsheets for critical operations like production planning, scheduling etc.

## AT A GLANCE

### Challenges

- Stringent quality assurance
- Ensuring component availability
- All-India dealer and customer base to be supported

### Benefits

- Streamlined operations
- Improved production management
- Cost savings + cost reduction
- Standards compliance



*Building better relationships with our customers, with better understanding of their Needs & Expectations*



**Sharda's Values**

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“ Our core goal is to deliver a successful project, and help the customer derive great value out of the same. Dependability, trustworthiness, and reliability are our key driving principles ”



**Rajumohan Ramasamy**  
CEO & Director-Xmplar

## THE CREST ERP SOLUTION

Xmplar implemented the following core modules of Crest ERP for Sharda Diesels

### Crest Manufacturing

Bill of Materials (BoM) | Workcenter Routing | Production Cost Management | Work Orders (Production Orders) | Materials Requirements Planning

### Crest Sub-contracting

Subcontracting BoM | Order management | Accounting

### Crest Procurements

Purchase Requirements Management | RFQ Management | Quote-to-Order Management | Purchase Returns | Procurement of Special Items

### Crest Inventory

Product Setup and Management | Inventory Operations

### Crest Sales

Quote-to-order Management | Sales Returns | Stock Transfers – GST Compliance

### Crest Financials

General Ledger and Sub-ledgers | Fixed Assets Management | Trade Receivables Management | Trade Payables Management

## ABOUT XEMPLAR

Xmplar offers CREST ERP – an integrated ERP suite – that supports practically every important business process. Founded in 2013, we are a young company, with a young team. Our technical and functional members have good background in business management systems. CREST solutions can be deployed on both public and private cloud environments. We have customers in India, Middle East and USA.

## SOLUTION AT A GLANCE

- Highly granular workcenter costing
- Automated Replenishment orders for Components
- Flexible BoM – Engineering BoM and Sales BoM
- Step-through Workflows that guide users
- Production Simulations
- Integrated Financials with multidimensional reporting
- Highly configurable system design



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