

ERP Software for Sheet Metal Industries




CASE STUDY

 Credit card

 Transportation

Roadmap IT Solutions (P) Ltd.

 No. 5, Republic Street | Reddiarpalayam | Pondicherry - 605 010 | India

 Phone: +91 413 4207 333

 mktg@roadmapit.com

ABOUT ROADMAP

Roadmap IT Solutions with more than two decades of experience has successfully implemented "Roadmap ERP" in 150+ companies in 20+ vertical across India and KSA. Roadmap Business Process experts understand the complexities, unique challenges in Sheet Metal Industries and constantly enhances its ERP software functionality to further streamline business processes in Sheet Metal Industries. With its gaining expertise in Sheet Metal Industries, Roadmap provides powerful, industry-specific features designed to address unique needs of Sheet Metal Industries.

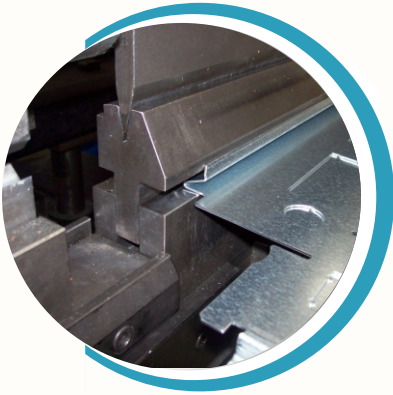
Salient Features



Multi Unit Support (Highly Scalable): Roadmap ERP supports the organizations having one or multiple plants/units in different locations. The plants/units may produce various finished product, subassemblies or may do specific processes only.

Multi-Level Bills of Material (BOM): Supports organization to maintain product routing and multi level bill of material with machine and tool required details.

Tools: Tools and its output products & quantity can be mapped easily. Tool utilization details getting update when the production takes place with the tools.



Material Requirement Planning: Planners can run the MRP at any time by loading demands from customer schedule (Firm, Tentative and Firm & Tentative), Sales Orders and generate the material requirements.

Planned Order Release: Procurement Orders such as purchase request for the raw materials (aluminum ingots), bought out components and production order can be raised from the MRP Release.



Cutting Plan / Optimization: System can effectively identify the source sheets/ coils of different dimension and generate cutting plan for the required dimension based on yield percentage.

Production Plan: Monthly/Weekly/Daily production plan can be easily generated from the system.

Machine / Tool Setting Approval: User can enter the machine & tool setup details and get approval before production.

Shearing/Stamping: Enables the user to enter press machine details, tool used, shift, operator(s) details, start time & end time, source sheets/coil used, output components generated, blanks, end bits, usable and unusable scrap etc.

Scrap Note Approval: Scrap can be moved to scrap area through scrap note approval if actual scrap percentage exceeds the standard/allowed percentage.

Process Wise Inspection: Organization can have option to do the inspection at the time of production process completion.

Final Product Inspection: Organization can optionally have Final Product Inspection.

Pre-Dispatch Inspection: This kind of inspection normally required before dispatching. FG is stored in separate warehouse, where pre-dispatch inspection is requested, FG is moved to PDI warehouse, upon completion of the warehouse material moved to shipping warehouse from where the material can be invoiced and shipped to customer

Outside Process: Organization can send the processed material to subcontractor for outside processing and option to receive the completely processed, partially processed and scrap materials from the subcontractor.

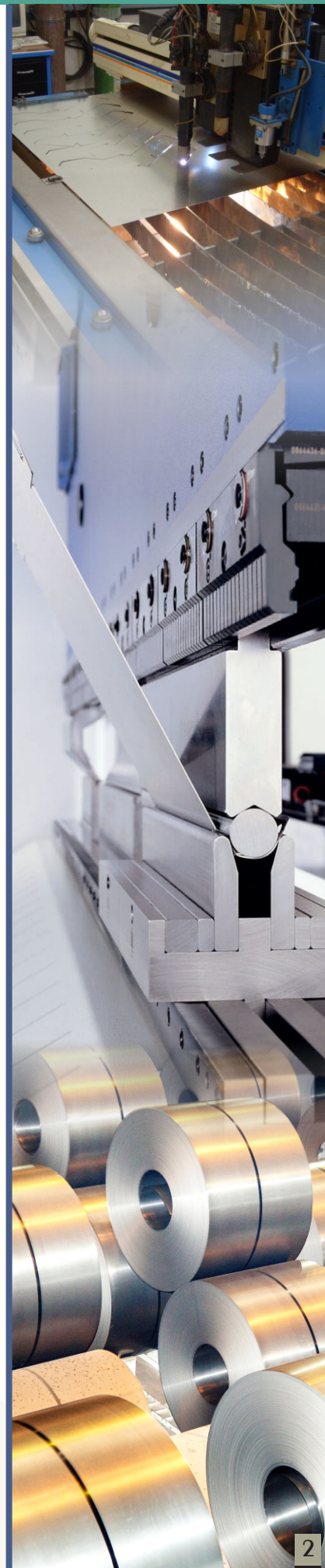
Traceability Report: Organization can track raw material lot/batch numbers, details from FG lot and invoice number.

Repair/Rework: Through Repair/Rework functionality, rejected materials can be repaired, disassembled or scrapped.

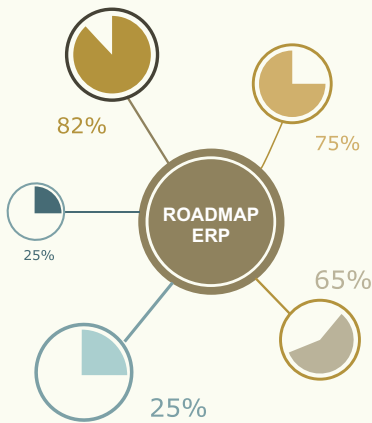
Production Monitoring System: User can track the FG materials in shop floor by production order number wise, process wise, lot number wise and work center wise.

Costing: Standard cost for the FG can be calculated and fixed. Actual cost /batch/item can be tracked by different cost elements such as material, labor, machine, overheads etc.

Scheduling: Organization can effectively schedule the machines against the production orders and products.



DASHBOARDS / KPI



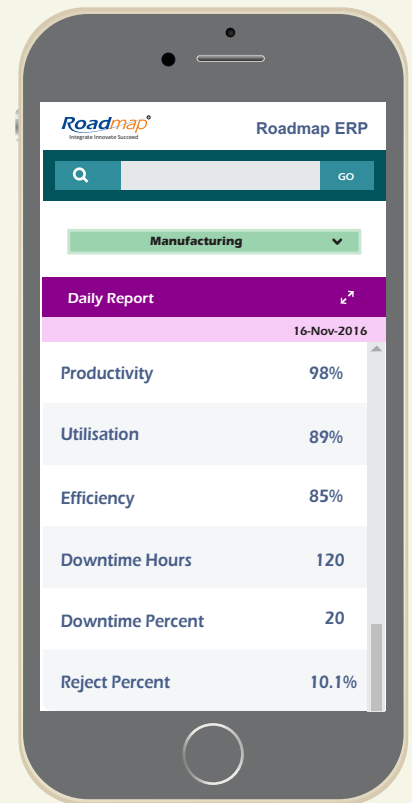
Dashboards provide executives with real-time, visually attractive and easily interpreted displays of critical information about the operation of the company and the plant. Commonly called Key Performance Indicators (KPIs), these measurements offer a high level but targeted view of the business – sales, products, operations, inventories, financials, etc.

Designed primarily for top-level executives, dashboard KPIs can also be configured to focus in on particular parts of the business for mid-level executives and managers. The importance of KPIs and dashboards is that they make critical information available in an easy-to-interpret format. Further detail is readily available (drill-down) for analysis and decision-making

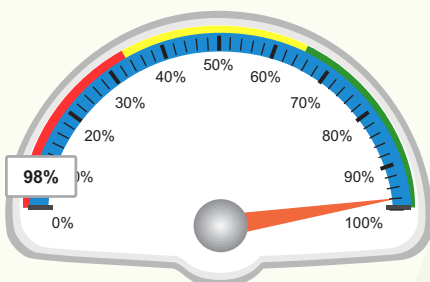
Critical Information

This goes to the heart of measurement systems in general – you must measure those things that are important to the success of the business. Any other measurement, not aligned with company objectives, is likely to drive activities and decisions in the wrong direction. So dashboard KPIs must relate to corporate goals and performance in support of customer service (On-time Delivery, Production Profitability, Orders Booked and Shipped).

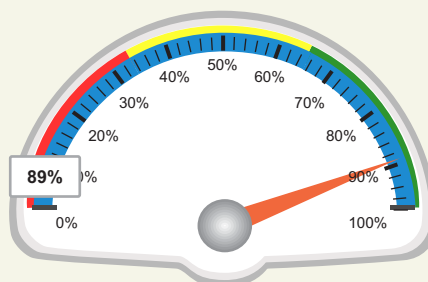
Naturally, KPIs will differ based on the nature of the business being measured. A Sheet Metal Industrialist will be more concerned with the effective utilization of expensive plant and equipment resources (Production Capacity, Efficiency, and Downtime). Top-level executives in a Sheet metal company will certainly want to watch the same financial indicators that any other manufacturer watches – things like sales, profit, and return on investment. When it comes to operational measurements, the focus will be on meeting schedules, having the right inventories to support production and customer demand, and quality, among others.



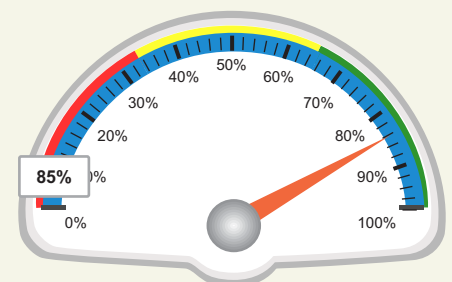
Productivity



Utilisation



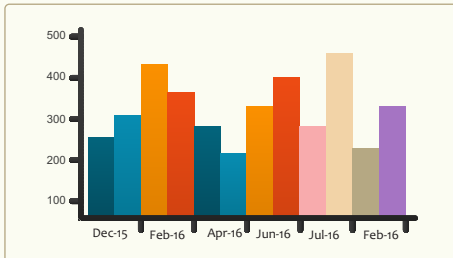
Efficiency



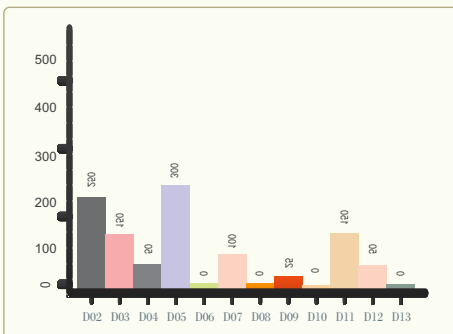


A Sheet metal industrialist's dashboard would likely have operational performance indicators for some or all of the following by day, week or month:

No. of Rejections



No. of Defects



- Percent of Production Capacity realized
- Downtime
- Scrap by type or cause
- Shift Profitability
- Current Inventory value
- Sales booked by group or process
- On-time delivery
- Cash Flow
- AP/AR by company, currency
- Actual yield with warning levels set around standard yield
- Quality measurements specific to the processes and types of products
- Inventory turns, both raw materials and finished goods

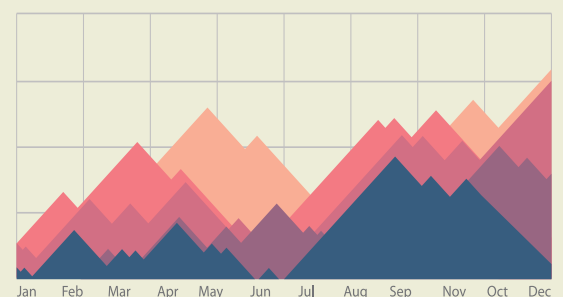
Easy to Interpret

Roadmap Dashboard/KPI's are to quickly identify of anything that may need attention and the point is to quickly eliminate any concerns about aspects of the business that are performing properly and allow the executive to focus on where their attention is really needed without having to run multiple reports or even log into the business solutions software.

Busy executives will have less time to dig into the ERP system to track performance and analyze the business – nor should they have to. Roadmap dashboard summarizes and displays relevant information that allows the executive to 1) Configure their independent dashboard highlighting their most relevant KPI's and 2) focus quickly on the overall operations of the business and where his or her attention is most needed – and can do best.

Properly defined Roadmap KPIs can provide early warning of developing situations and help companies prevent serious challenges by alerting decision-makers to the opportunities to avert a problem before it hurts customer service, sales or profit.

Roadmap Dashboards thus allow companies to easily analyze data and identify potential gaps or opportunities within the business.



MODULES

Roadmap ERP



Roadmap ERP, an end-to-end business solution, by being integrated with all modules, can fit into any manufacturing and services industry. It is a strategic business solution that integrates all business functions, including manufacturing, finance, and distribution.

Financial Management	General Ledger Management		Accounts Payables Management	Accounts Receivables Management	Cash Management	Fixed Assets Management	Taxation	
Sales & Distribution	Inventory Control Management		Purchase Order Management	Subcontract Order Management	Gate Entry Management	Transportation	Sales Order Management	
Planning & Manufacturing	Routing	Bill of Material (BOM)	Demand Management	Master Production Schedule	Material Requirement Planning	Manufacturing Resource Planning	Shop Floor Control (SFC)	Manufacturing Schedule
Quality Management	Inspection		SPC	Auditing	MSA			
HR & Payroll	HR-Planning		HR-Recruiting	HR-Employee Portfolio	HR-Orientation	HR-Training & Development	HR-Appraisal	HR-Leave & Time Management
	HR-Loan Management		HR-Business Trip	HR-Ticketing	HR-Medical	HR-Self Service	HR-Government Relations	HR-Payroll
Add-on modules	Plant Maintenance		Engineering R & D	Project Management	Cost Management	CRM		
Portals	Supplier Portal		Customer Portal	Employee Attendance	Employee Self Service Portal			
Mobile Apps	Marketing CRM		Workflow Approval					

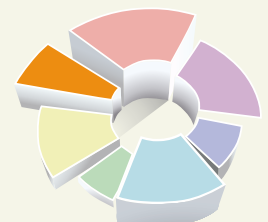


INDUSTRY VERTICALS

Industrial Equipment &
Machinery Manufacturers
Aluminum Die Casting Industries
Iron Casting Manufacturer
Plastics Manufacturer/Injection Molding
Sheet Metal Industries
Ferro Alloys Manufacturers
Cast Alloys Manufacturers
Lead Alloys Manufacturers
Tools & Dies Manufacturers

Auto Component Manufacturers
Valves Manufacturers
Electrical Panel Manufacturer
UPS Manufacturers
Food Products Manufacturers
Cosmetics Manufacturers
Bi-Metal Bearing Manufacturers
Gelatine Manufacturers
Garments Manufacturers
Heat Exchanger Manufacturers

Façade Industries
Carbon Manufacturers
Pump Industries
Packing Industries
Spinning Industries



www.roadmapit.com



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No. 5, Republic Street | Reddiyarpalayam | Pondicherry - 605 010 | India

Phone: +91 413 420 7333

Email: mktg@roadmapit.com

Corporate Operational Office : Pramuk Aqua Heights, Flat# C-602, 6th Floor, C Block, Electronic City Phase I, Hosur Main Road, Veerasandra Village, Bengaluru 560 100. Ph: +91 9972319933

Regional Office-Chennai : No. 11, First Floor, Samiyar Garden Street, Ashok Nagar, Chennai - 600 083. Ph : +91 94425 10123

Regional Office-Coimbatore : Old.No.20, New No.39, Vinayagar Koil Street, 1st Floor, Krishnasamy Nagar, Ramanathapuram, Coimbatore - 641 045, India. Ph: +91 94425 80742

Regional Office-Pune : A/13, Erica, Magarpatta, Hadapsar - 411013, Pune, Maharashtra, India. Ph : 020-26898155, +91 70285 26111, 91722 62949

Regional Office-Vadodara : 23, Upper Ground Floor, Silver Rock Complex, Bhavan's School Circle, Vadodara - 390004, Gujarat, India. Ph : +91 76986 95109

Overseas Office **Middle East:** Zaitunah Commercial Center, Office Suit # 205; Bld No.7097, Jeddah-23343-3523, KSA. Tele/Fax: +966 12 6133817

Europe : Fidelitas SA, 15, rue de Cendrier, 1201 Geneve, Switzerland. Ph : +41 79 375 5566.

Africa : 7 Troon Crescent, Silver Lake Golf Estate, Pretoria, South Africa. Ph: +27 61 080 7322.
