



etEngine-ERP Techno-Functional Information

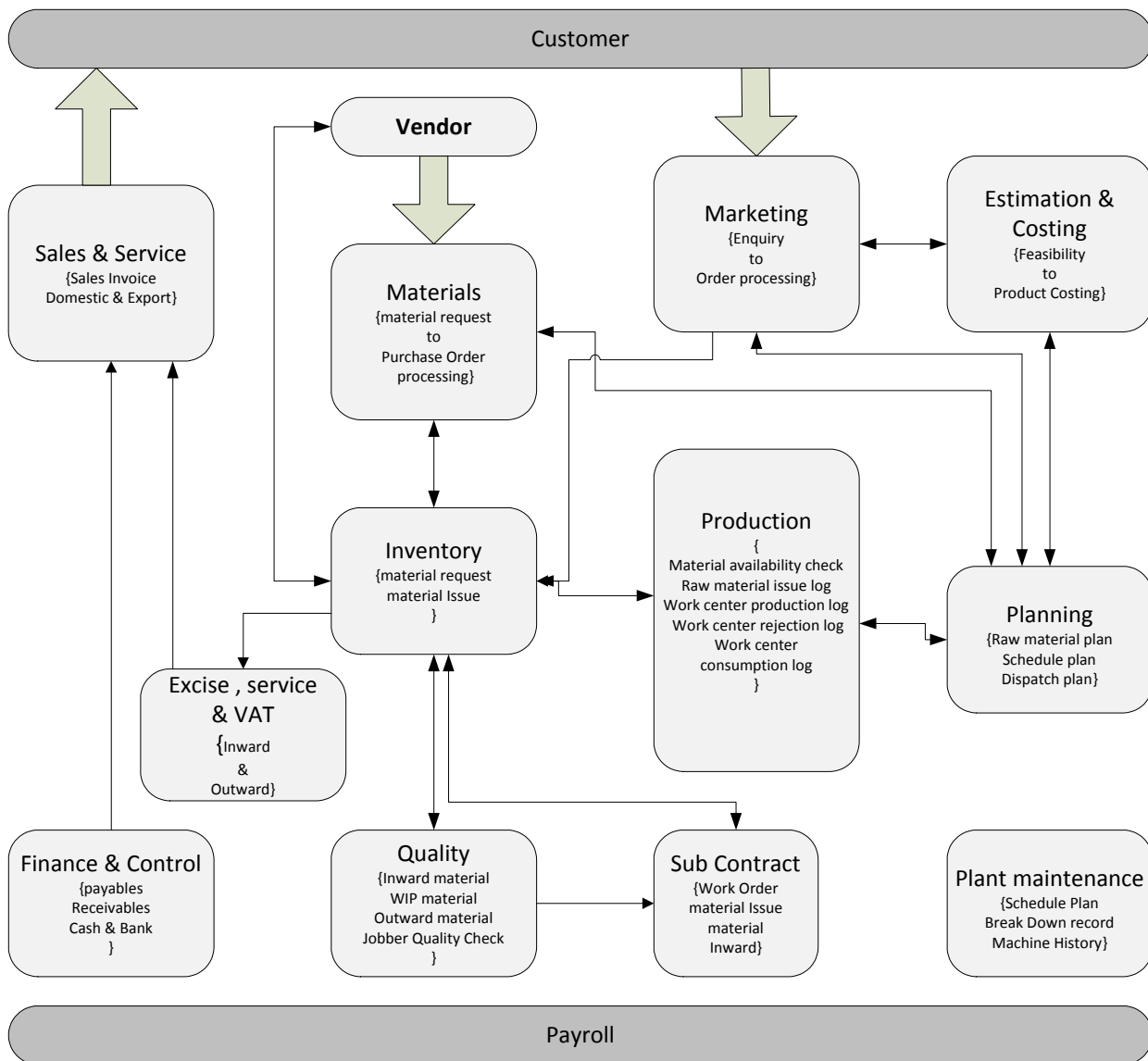


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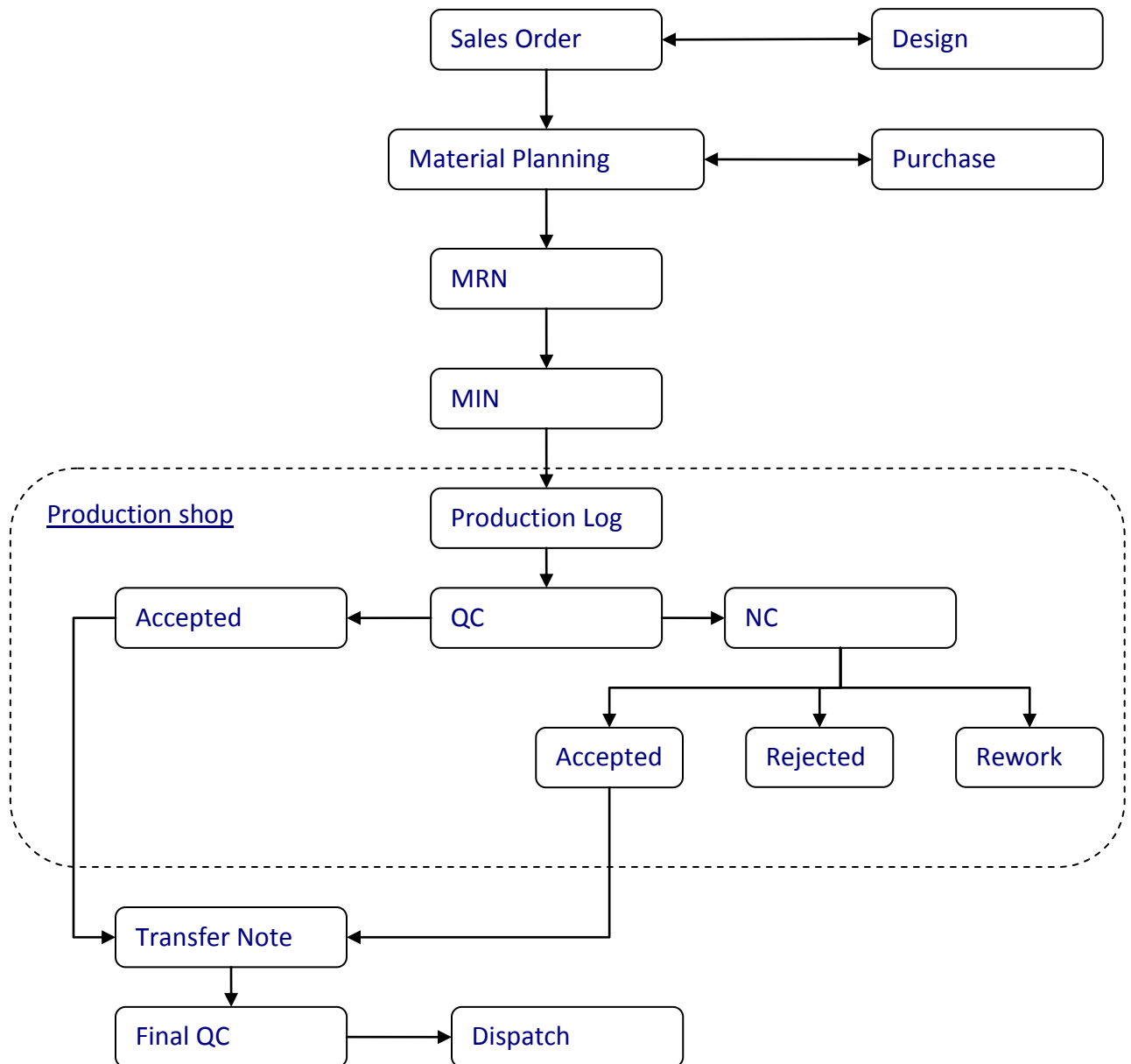
	etEngine-Manufacturing ERP	
	Solution to Manufacturing Industry- Overview	
Domain	Engineering/Manufacturing Domain specific solution Decade of expertise in providing solutions to Capital Goods, Machinery, Foundry, Automotive, Fabrication, Machine Shop, Valve Assembly, Component, Rolling Mill, etc.	✓
	Provides the solution to core manufacturing problems -BOM, Material Requirement Planning, Scheduling, Subcontracting, Automated Material Reservation & etc.	✓
Costing	Estimation & Costing with product profitability analysis	✓
Planning	Material Planning & Schedule with customer delivery priority and complexity of Production	✓
Design	Design time line plan, tracking of Engineering change request & history	✓
Capacity	Capacity analysis to fine tune the bottle neck of machine hour & manpower capacities	✓
Energy	Energy Utilization monitoring and analysis with respect to production in charge	✓
Production	Work order wise production tracking with cost/time/quantity & performance analysis with work center wise production status	✓
QA	Control of Quality cost	✓
	-Rejection analysis with range of parameters-machine wise, product, material,etc	✓
	-Inward raw material & WIP material	✓
	-Quality plan, Non confirmation analysis with correctively action history	
Automation	Automatic Integration with machine data, Spectro, UTI & quality tools	✓
Tooling	Tools life cycle management & history card	✓
Plant Maintenance	Complete solution for Maintenance to ensure optimum utilization of Plant	✓
Control	Solution to control cost	
	Manufacturing cost variance analysis –Online estimation & production cost	✓
	Drilldown costing variance analysis with break up of Labor, machine & overhead cost analysis.	✓
	Raw material consumption control-with online issue against work order.	✓
	Planning for better utilization of capacity-machine, material & manpower	✓
	Electricity consumption control	✓
	Better management on Order	✓
	Quality cost reduction-inward & outward materials	✓
	Implementation Expertise	
	Successful implementation in 50+ companies all over India	✓
	Functional Engineers with 5 to 10 years of domain expertise	✓
	Flexible training option for top management to lower end labor team	✓
	Shortest possible implementation cycle	✓
MIS	MIS on Business plan & achievement	✓
BI	One Point truth any time, any place, any where & any device	
QMS	Solution of APQP, PPAP, Document management & Audit management	

Organization Work Flow



- 50% increase in quotation process & reduction of manpower in sales cycle
- 99% close estimation has helped to fight the competitors
- Sales conversion has increased to 30%
- 30% saving in cost control of non moving inventory
- Payment collection cycle time has reduced to 40%
- Reduction of stage wise inventory blockage to 30%
- With power consumption analysis report, saving was Rs 5,00,000 cost for companies doing 20Cr turnover.

Material & Production tracking

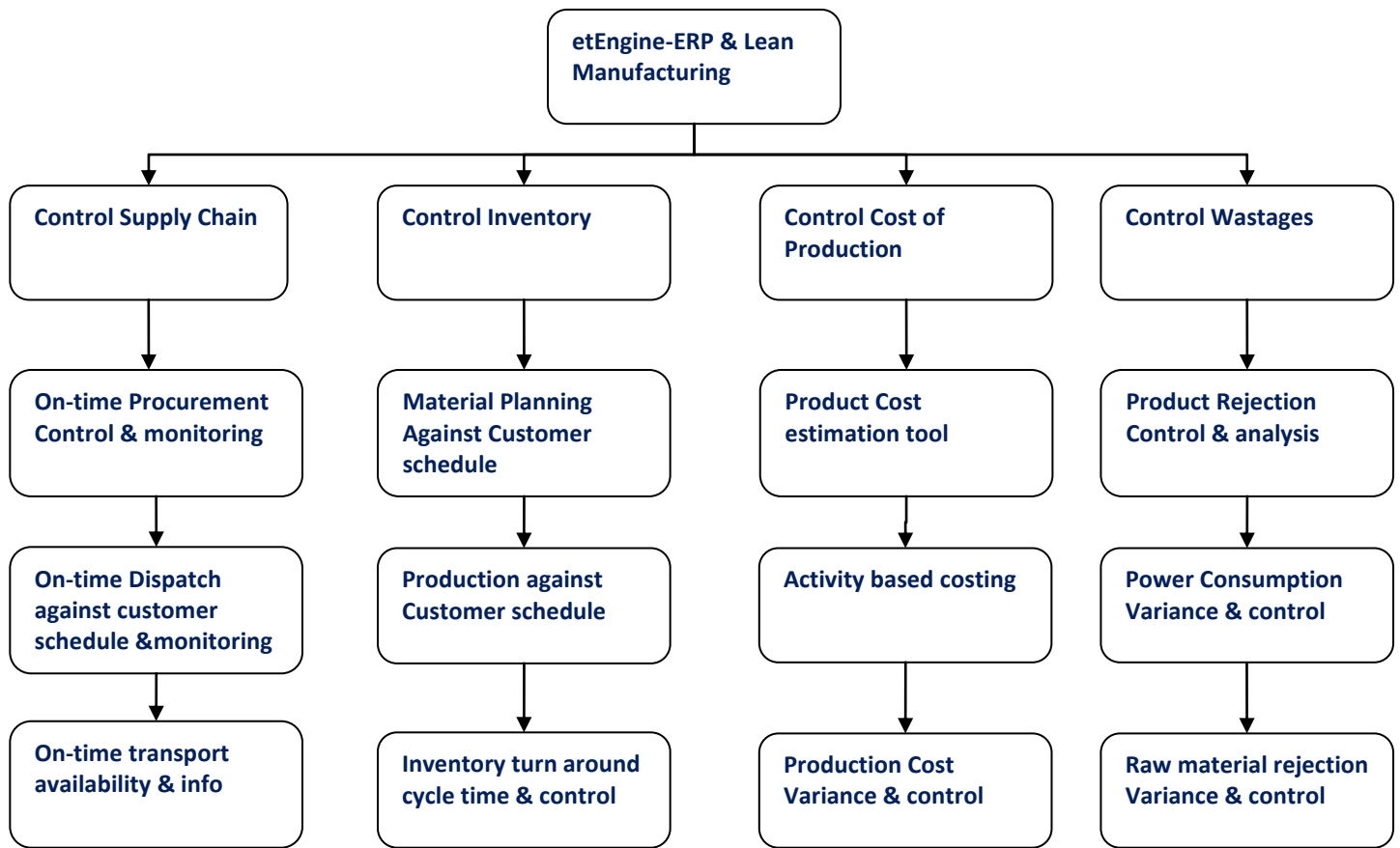


etEngine-ERP manufacturing domain flow expertise

- ✓ Design time line tracking
- ✓ QA module to ensure quality of incoming, WIP & final process level quality control
- ✓ Material reservation against work order for on time delivery
- ✓ Sales order status, online customer delivery status tracking
- ✓ Each work center wise – Job Card/ Production Log tracking



etEngine-ERP for lean manufacturing





etEngine-ERP Techno-Functional Information



etEngine-ERP with work flow integration & automation for system driven process

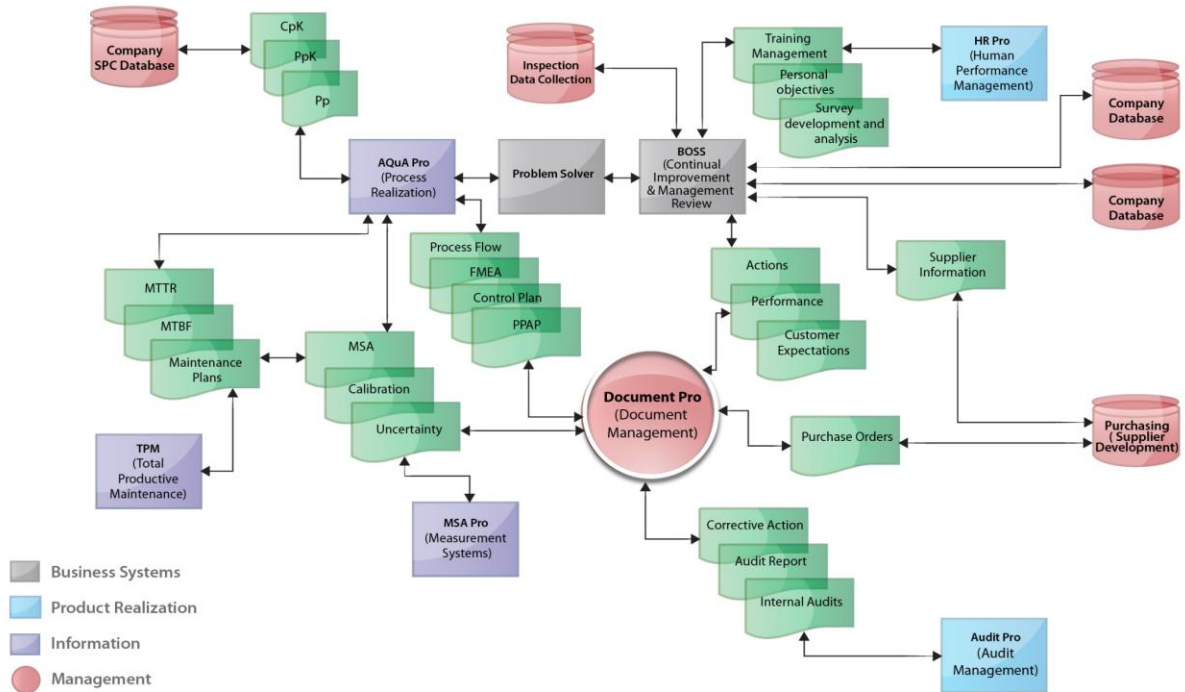
Module	Integrated work Flow	Alerts & drive	Customer benefit
Marketing	Enquiry to Delivery schedule	Pending quotation alert Pending Order alert Pending delivery alert Pending authorization alerts	"Auto component supplier in east India" has reduced quotation generation cycle with increased numbers in quotation generation. From earlier 10 quotation/day to 60 quotation per day
Estimation	Product feasibility to product cost estimation	Automation in cost calculation	Most of customer's accuracy in production cost estimation has increased to 98% and quote generation is faster without any manual intervention.
Production Planning	Delivery schedule to production planning	Alert in deviation of plan Vs actual production Alert in deviation of plan Vs dispatch	All our auto component casting suppliers are able to man-over the planning sheet with automation of forward planning and capacity matching
Shop floor	Automated Data capture and online integration Planning	Alert on excess consumption Alert on excess rejection beyond the standard norm. Alert on high-energy utilization beyond the standard norm. Alert on inventory accumulation beyond the standard norm. Alert on variance of planned Vs production Rejection cost analysis	With proper root cause analysis, rejection is reduced to 0.5% with saving of Rs 25,00,000/- for companies doing 20Cr turnover. With power consumption analysis report, saving was Rs 5,00,000 cost for companies doing 20Cr turnover. With proper inventory control, non-moving inventory was reduced to 20%, with lot of maintenance materials was involved. Reduction of stage wise inventory blockage to 30%
Financial Accounts	Seamless integration of purchase/stores/sales with MIS	Alert on pending receivables Alert on pending payables Cost center expenditure monitoring Quality cost analysis-vendor Rejection & sales return Cash flow plan for payables Inflation on raw material analysis Alert for pending work-Filing of returns	Faster year end closing cycle has reduced 70% of repeated documentation and can save 50% finance personnel salary Payment collection cycle time has reduced to 40% Undue expenditure is reduced by 60% Profitability has increased by 3%



etEngine-ERP Techno-Functional Information



etEngine-ERP for APQP, PPAP, FMEA & Quality audit



etEngine-ERP is partnered with Omnex for quality solution to enable below solutions

- ✓ Standardizes your APQP processes and documentation in all of your plants to allow for consistency
- ✓ Connects the Design FMEA to the Process FMEA.
- ✓ Automated "three click" APQP document creation builds FMEAs and Control Plans in minutes, not hours.
- ✓ Engineering changes made to the specifications of a product family will automatically update the Process FMEAs, Control Plans, and Check Sheets of all of the parts that are within that product family.
- ✓ Builds PPAP templates for each customer to meet unique document requirements.



etEngine-ERP Techno-Functional Information



What Management Need?

- ✓ Real time Payables / Receivable info
- ✓ Pending order beyond deliveries dates
- ✓ Sales team efficiency analysis
- ✓ Daily dispatch info - value and qty
- ✓ Monitoring of efficiency with planned V/s actual
- ✓ Quotation required to be process for pending enquiry
- ✓ Pending quotation required to be followed up for order
- ✓ Raw material availability
- ✓ Daily rejection variance
- ✓ Availability of labor with daily attendance sheet
- ✓ Daily breakdown and corrective action report
- ✓ System driven work flow & better controllability

Modules:

1. Marketing
2. Sales
3. Material Management
4. Inventory
5. Planning
6. Production
7. Quality [Optional]
8. Accounts
9. Central Excise
10. Sub-contracting
11. Admin & company policy
12. Estimation & Costing
13. Plant Maintenance
14. etEngine-BI platform[Optional]



etEngine-ERP Techno-Functional Information



Project implementation plan & time schedule-template

No	Task	From	To	Days	Responsibility
1	System requirement study Phase				
1.a	Project Initiation & Kick off meeting				Joint
1.b	Requirement Study & Gap analysis				Joint
1.c	Report Formats Finalization				Joint
2	Installation of etEngine				
2.a	Database creation and configuration				SPS INTRAD
2.b	User creation and rights configuration				SPS INTRAD
2.c	Installation in machines				SPS INTRAD
3	Training of Masters				
3.a	Masters training-Commercial record				Joint
3.b	Masters training-Technical record				Joint
4	Data Entry				Customer
5	DB Configuration / Customization*	At-actual-Parallel activity will be concluded after SRS sign off		At-actual	SPS INTRAD
6	Installation of customized module	As per development schedule			SPS INTRAD
7	Department wise transactions & reports training (common training for common modules)				
7.a	Sales & Marketing				Joint
7.b	Purchase, Stores, excise & accounts				Joint
7.c	Production, Planning				Joint
7.d	Subcontract				Joint
7.e	Plant maintenance & Payroll				Joint
8	Dry/Trial Run				Joint
9	Go Live				Customer