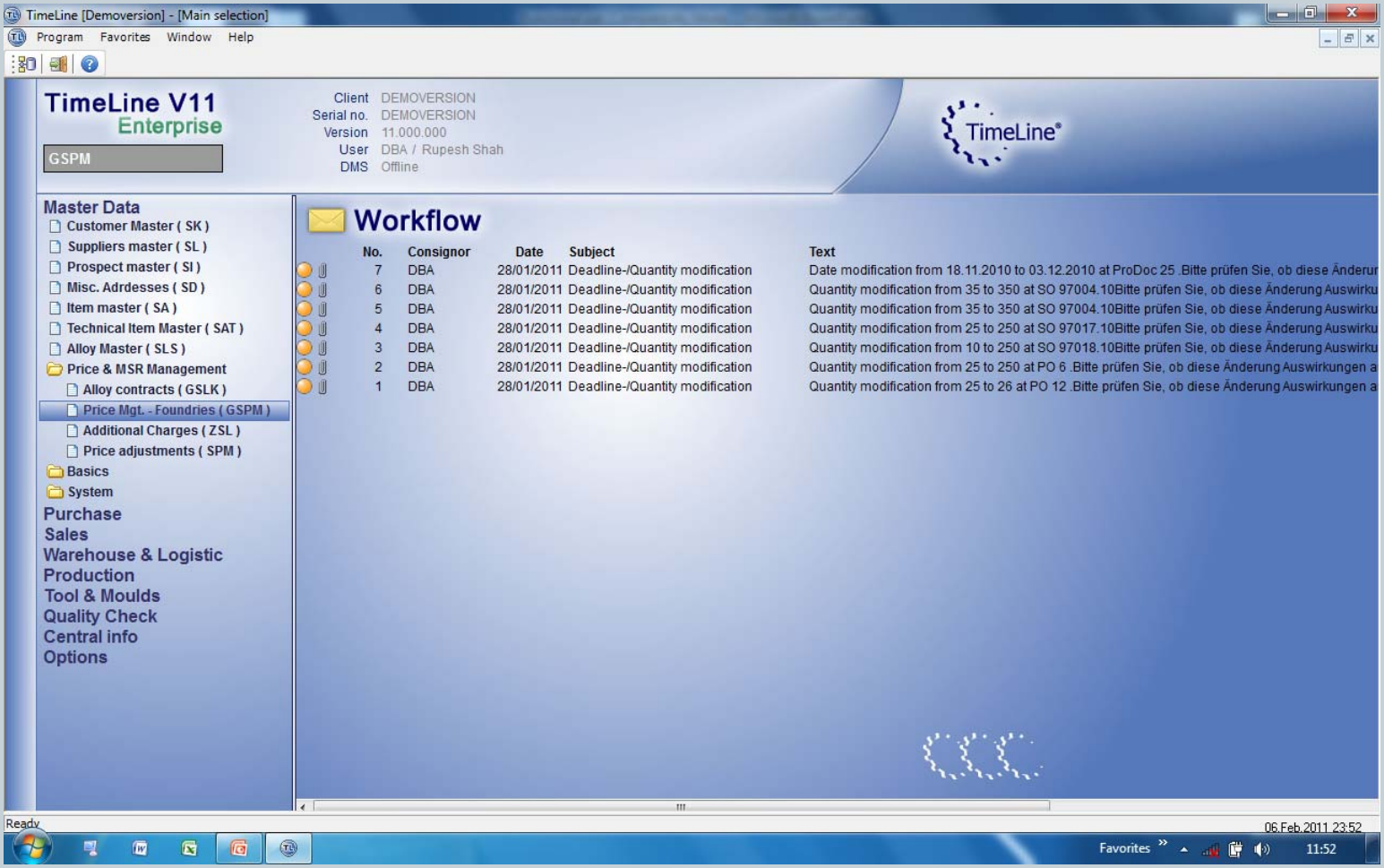
TimeLine ERP Business System

A Functional Overview

TimeLine ERP Business System

- **TimeLine** ERP Business Systems is already a well established name in Germany & Europe
- Backed up by the experience of 40 years
- 1400 Installations all over Europe
- Winner of Awards in SME ERP, in many segments & many catagories, almost every year since 2008
- Branches in Germany, Romania, Bulgaria, Slovakia, Poland & India

TimeLine ERP

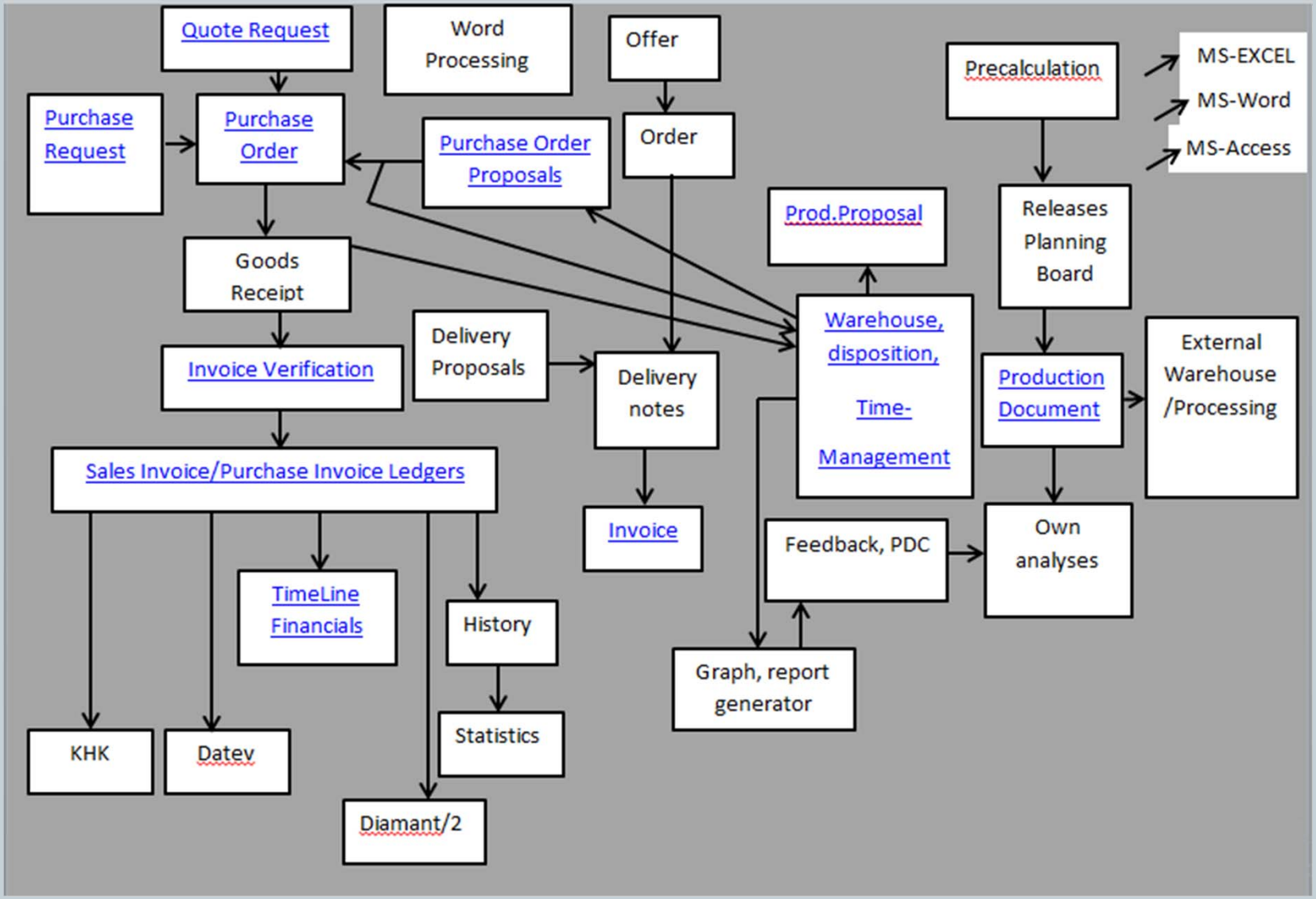


Hardware Requirement:

Entry Level Servers Or High End PC with the below requirements:

Component	Minimum Requirement	Recommended
Processor	1.4 GHz	2 GHz or faster
Memory	2 GB	4 GB or Higher
System Diskspace	1 GB	2 GB or Higher
Diskspace For Database	2 GB	4 GB or Higher
Display	1366 x 768 or Above	1440 x 900
LAN Connectivity	100 mbps	1000 mbps

TimeLine ERP: Process Chart



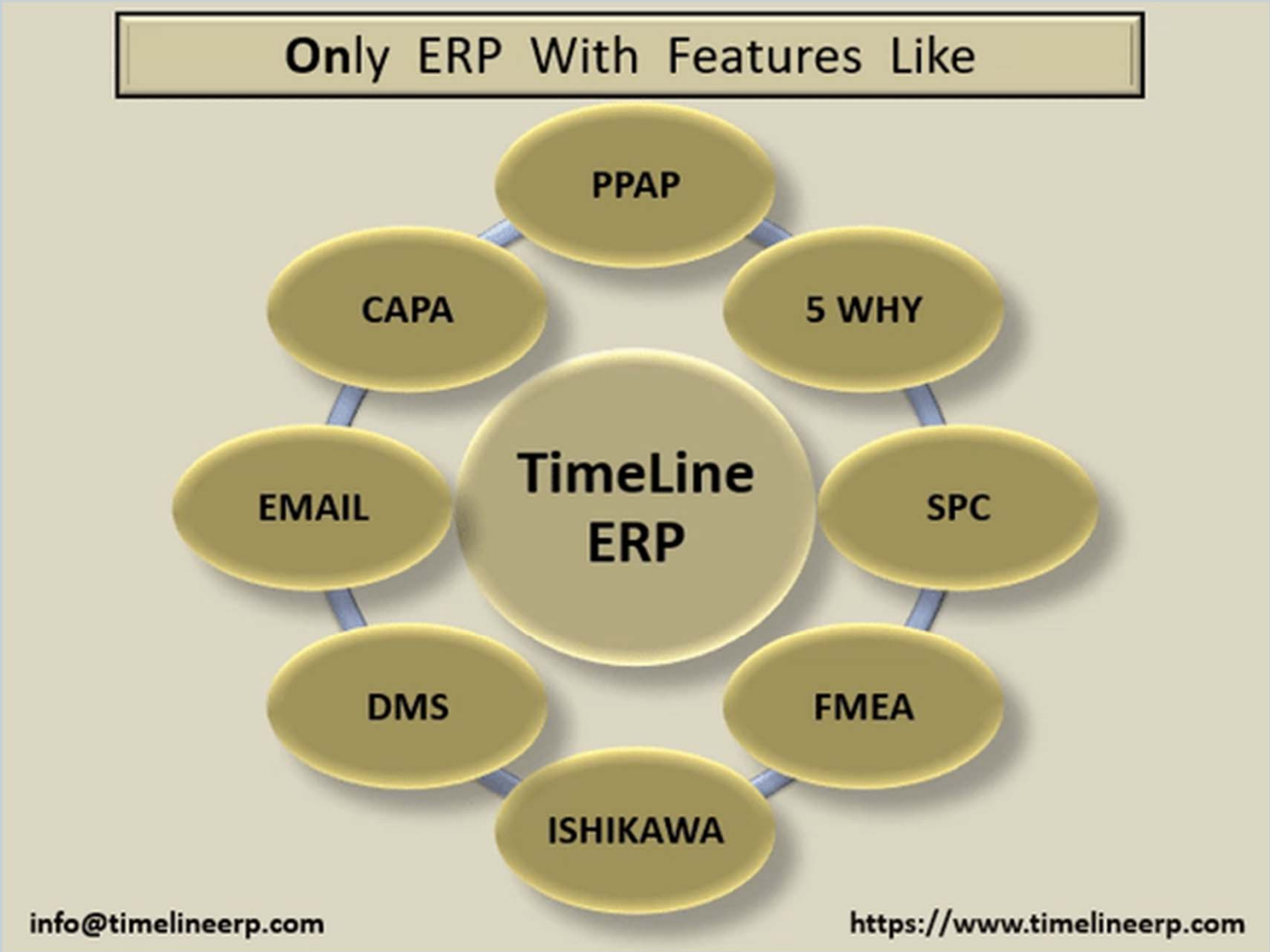
Our Users in India

Sr.	Company	Concern Person	Comment
1	Gtek Corporation P Ltd Vadodara	Pritesh Patel 9737289111 / 9265242180	• Using since 7 years • Manufacturer of Temperature controller • Electronic Assembly Unit
2	Goel Scientific Ltd Vadodara	Ravi Agarwal 9924200897	• Using since 7 years, • Because of some unavoidable circumstances on their side, stopped using since approximately 1 year
3	Gujarat PlugIN Devices P Ltd Vadodara	Ali Bhai 9898159295	• Using since 6 years • Manufacturer of Transformer
4	Shefield Technoplast P Ltd Manjusar	Niketan Patel 9909984580 / 924422664	• Using since 5 years or so • Manufacturer of Engineering & Plastic Parts
5	Flucon Enterprise P Ltd Mumbai	Dylan Dsouza 9323318780	• Using since 4 years or so • Engineering & Plastic Parts
6	Taural India Pune	Ramdas Dhole	• Implementation; Going on • Foundry • Trial Run
7	Sri Kripa Stones & Granites Pvtg Ltd Gaurgaon	Atul Vij 98184 27043	Implementation; Going on Stone Manufacturers

Rare & Higher End USP

- Can Support: Both Pull & Push System
- Resource Utilization
- Plant Utilization
- Scrap – Block Management
- Statistic Product Control (SPC) Analysis
- FMEA
- PPAP
- Ishikava
- APQP
- DMS with OCR
- Integration with QDAS
- Optimization of Resources, Assemblies & Raw Material
- Associate CAD drawing with BOM
- EDI
- Master Data import from MS Excel

Rare & Higher End USP



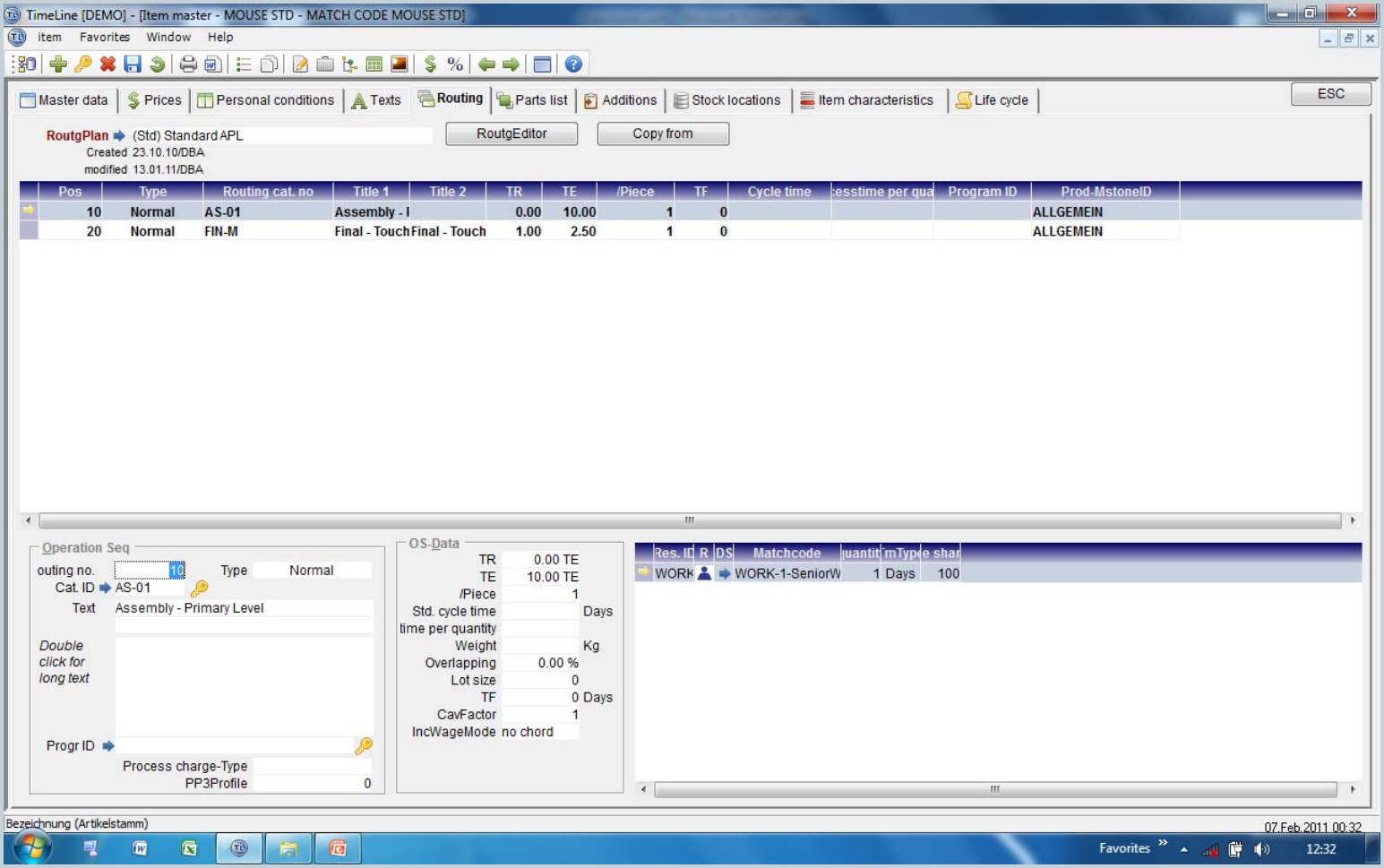
Scenario

- Serial, Batch & Process Batch
- Multiple Shift Plan
- Multiple Warehouse Management With Location(s)
- Dispatch Planning
- Screen Editor
- Customizable Menu
- Supplier reminders
- Supplier Evaluation
- Comparison of Quotation
- User Master & User Privileges Management
- Design Reports at your own

Customer / Supplier / Prospect Master

- Multiple Addresses
- Multiple Concern Persons
- Can assign Price List(s)
- Related to Sales Representative
- DMS
- Can assign Item Specific drawing

Item Master


TimeLine [DEMO] - [Item master - MOUSE STD - MATCH CODE MOUSE STD]
item Favorites Window Help
Master data Prices Personal conditions Texts Routing Parts list Additions Stock locations Item characteristics Life cycle
ESC
RoutgPlan (Std) Standard APL
Created 23.10.10/DBA
modified 13.01.11/DBA
RoutgEditor
Copy from
Pos Type Routing cat. no Title 1 Title 2 TR TE /Piece TF Cycle time esstime per qua Program ID Prod.-MstoneID
10 Normal AS-01 Assembly - I 0.00 10.00 1 0 ALLGEMEIN
20 Normal FIN-M Final - Touch Final - Touch 1.00 2.50 1 0 ALLGEMEIN
Operation Seq
outing no.
Type Normal
Cat. ID AS-01
Text Assembly - Primary Level
Double click for long text
Progr ID
Process charge-Type
PP3Profile 0
OS-Data
TR 0.00 TE
TE 10.00 TE
/Piece 1
Std. cycle time Days
time per quantity
Weight Kg
Overlapping 0.00 %
Lot size 0
TF 0 Days
CavFactor 1
IncWageMode no chord
Res. ID R DS Matchcode uantit mType e shar
WORk WORK-1-SeniorW 1 Days 100
Bezeichnung (Artikelstamm)
07.Feb.2011 00:32
Favorites
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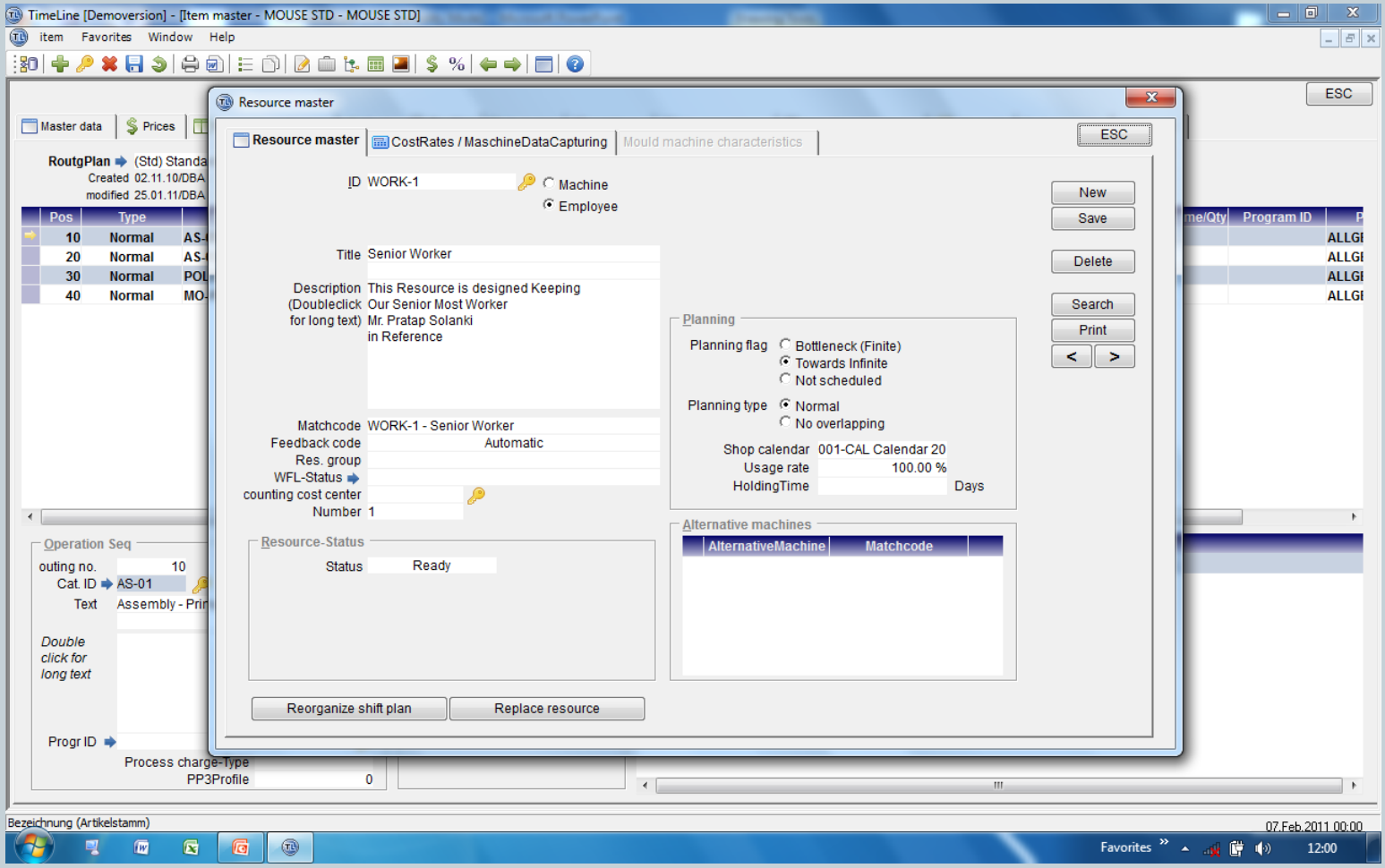
Item master

- Rejects Probability
- Drawing Management with a history of revision
- Process Drawing
- Multiple ways to produce one Item: Multiple Routing Plan in relation with
  - **Processes , BOM , Inspection Plan**
- Item – Customer: Drawing – Price – Packing
- Alternate Resources, BOM, Packing
- Life Cycle

Resource Master & Management



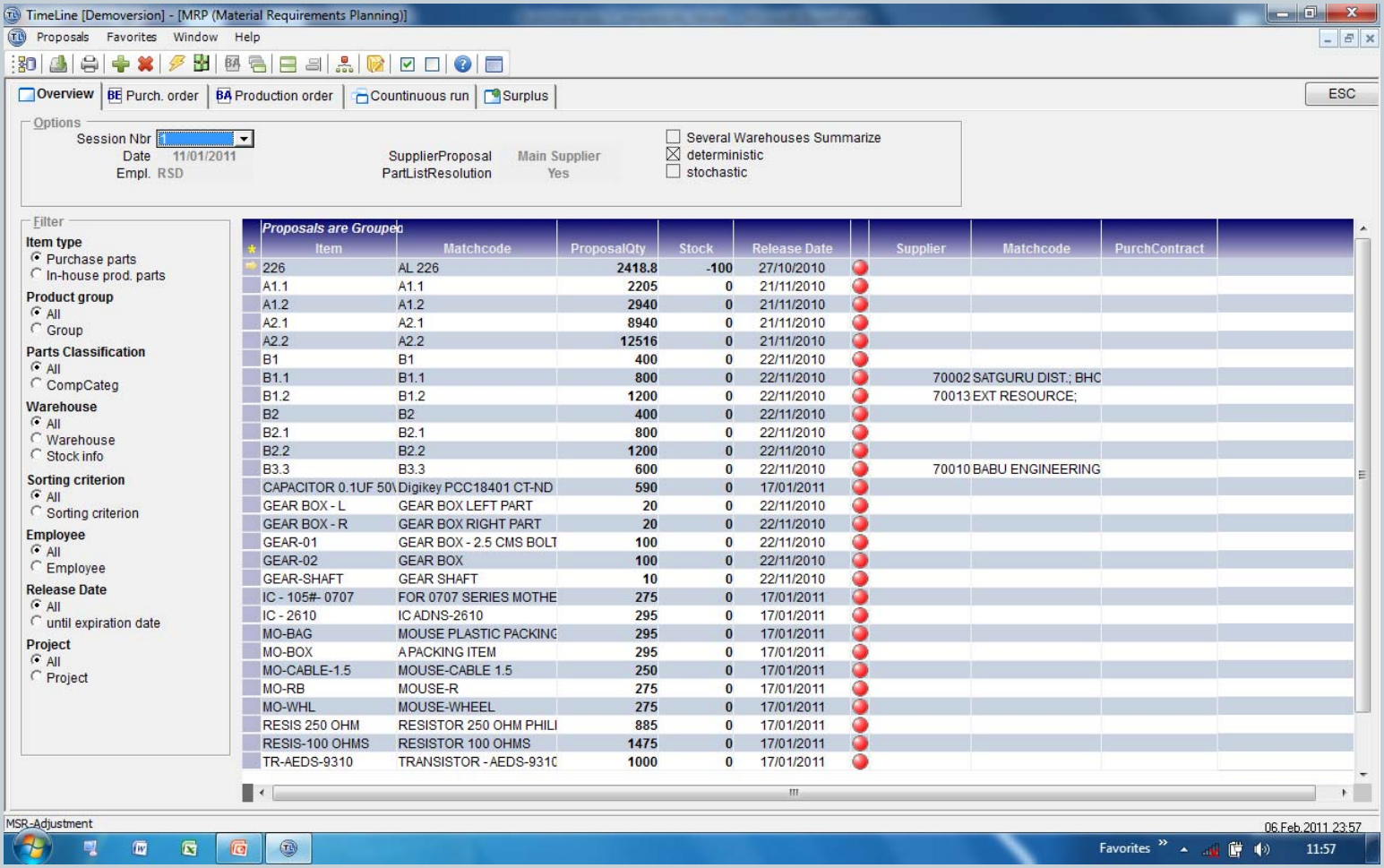
Resource Master – 3M Management

- Machines, Employees, Tools, Moulds, External Mfgr can be managed as resources
- Resource Capacities in terms of Time
- Resource charges in terms of Time, Piece, Kg, Fix & May be free
- Setup & Execution time for each Resource for a specific Process
- Maintenance of Machines, Tools
- Calibration Management of Inspection Equipments

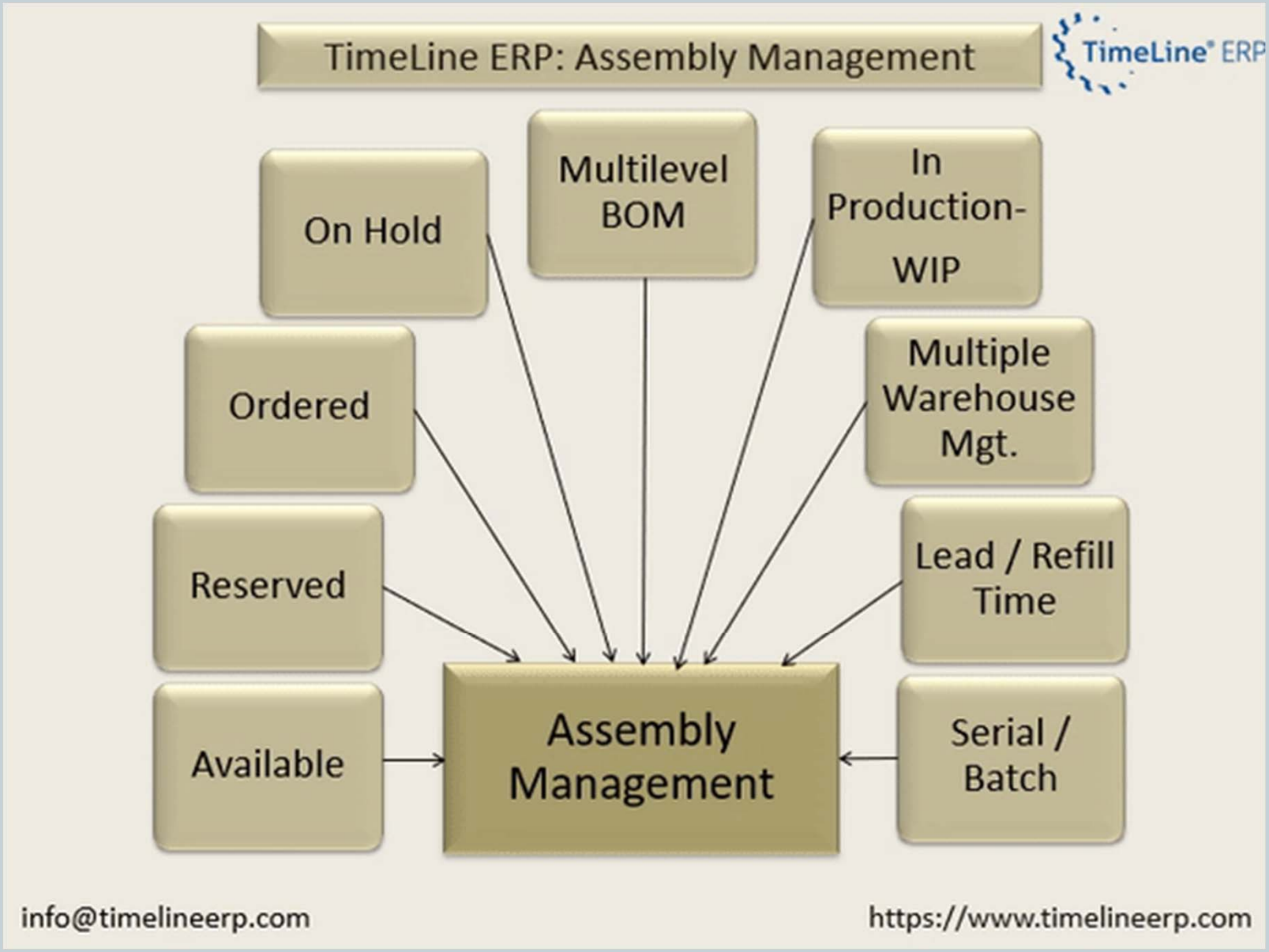
Sales - Purchase

- Sales & Purchase Call
- Receipt & Delivery Schedule
- With Material Requirement Planning Support
- With EDI: Electronic Data Interface Support
- Provision of Record a Sales Order only for followup assigning a ‘No MRP” WareHouse

Material Requirement Planning (MRP)



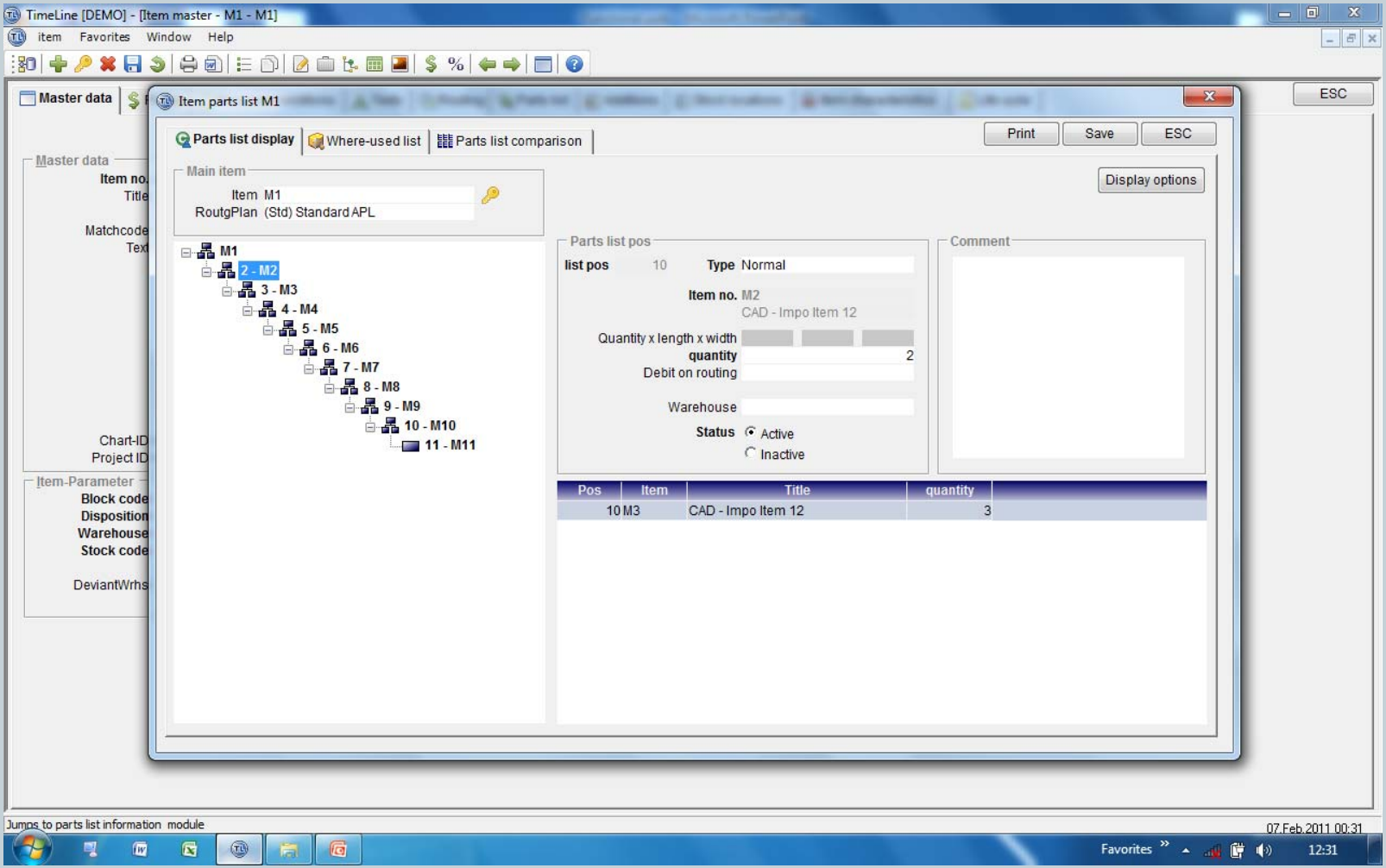
Material Requirement Planning (MRP)



Material Requirement Planning (MRP)

- Generate Proposed Quantity to To Process/ Purchase
- Segregating
  - Sales Order Received
  - Purchase Requisition
- Proposed Quantity Generated Considering:
  - Inventory
  - Replacement Time
  - Minimum – Maximum Stock
- Surplus Assessment
- Optimization of Assemblies & Raw Material

BOM Sample Tree



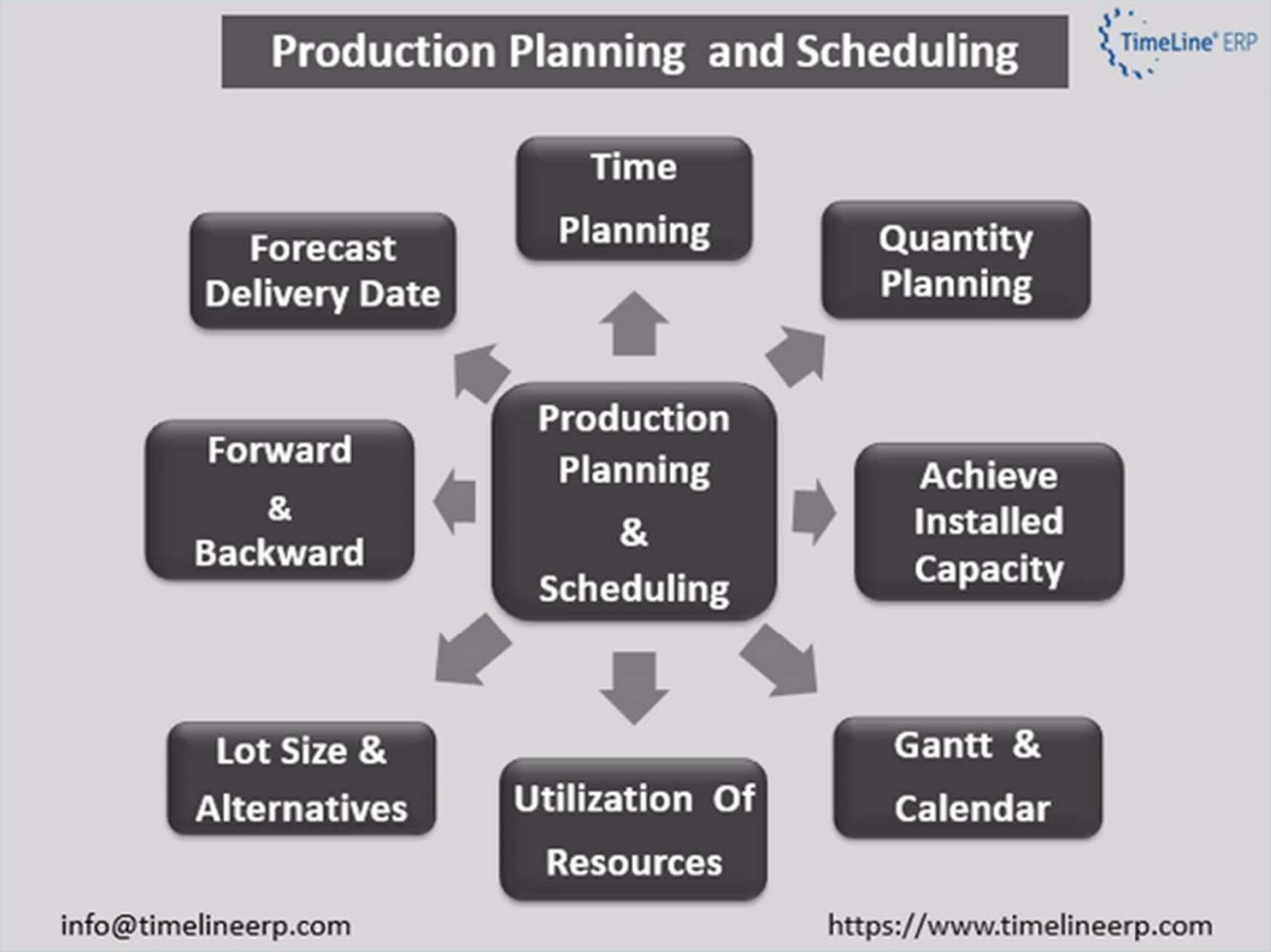
Calculation - Costing

- Calculation of Existing Item or New
- Calculation of a Production Order
- Derive Cost using: Last- Highest– Lowest- Average- Basic Pur Cost
- Material + Process + Surcharges + Fix Cost(s)
- Quantity Variants
- Save Costing Made
- Compare: Theory Vs Actual Production Costing

Production

- Production Order
  - **Multilevel Production Order for Assemblies**
  - **Rework Order**
  - **Coupled / Family Item Production Order**
  - **Consolidated Production Order**
  - **Temporary Production Order to estimate delivery date from Sales Order**
- External Manufacturing Orders
- With Multiple Routing Plan
- Modify Routing, BOM Or Resource(s) without disturbing Item Master
- Planning Priority Group
- Assign Workshop / Warehouse

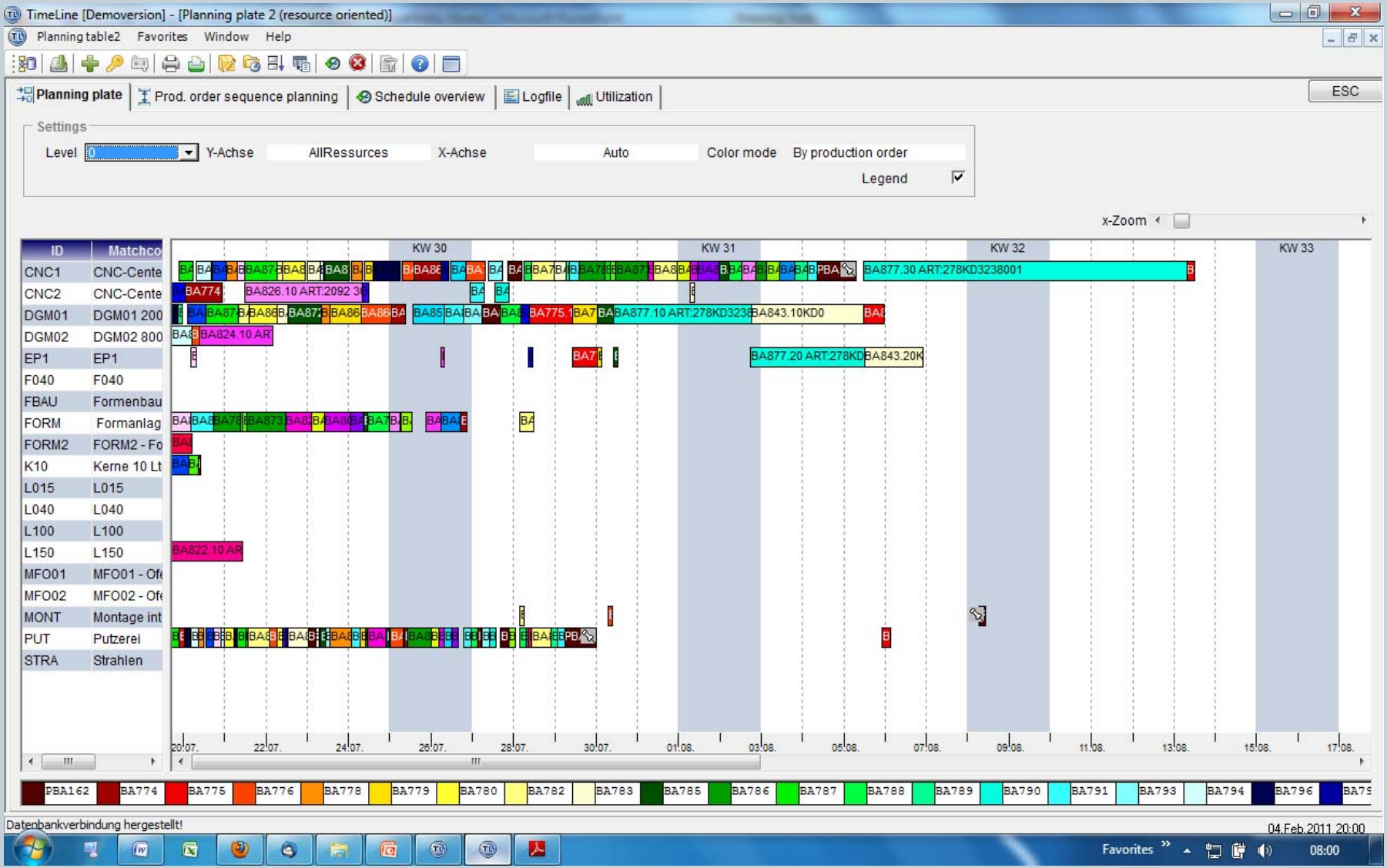
Production Planning



Production Planning

- Production Scheduling - Planning
  - Forward – Backward Planning
  - Time & Capacity Planning
  - Facilitate to achieve Just In Time
  - Kanban
  - Prioritize a specific Production Order
  - Re-Scheduling
  - Plan Capacity over a set of Alternate Resources
  - Overlapping of processes
  - Help to achieve Optimized Utilization of Resources

Production Planning



Feedback

- Daily Production
- Alter Resource, Workers, Consumption, Per Piece Rate for Contract Labors – on Real Time basis
- Reasons for Scrap & Block
- Ways to record Production
  - **Manual**
  - **Barcode Scanners**
  - **Kiosk Handled**
  - **Machine Integration (No human intervention)**
  - **Mobile / Tab**

Project Planning

TimeLine® ERP

Project Management:
Integration of Bunch of Orders

Project Explorer facilitate:
Power of Integration & drilling down:
- Orders
- Drawings
- Documents
- Bill Of Material

All Under One Roof:
- Purchasing Documents
- Production Orders
- Emails

Planning With:
- Task,
- Workflow
- Calendar Association

Define Mile Stones with:
- Time Frame
- Budget
- Theory
- Actual

Email Association

Costing & Budget Tracking

Service Orders

External Orders

Batch Tracking

For the first time in ERP:
- TimeLine offers plug-ins for:
  - Autodesk Inventor
  - Solid Edge
  - Solid works
  - to merge the CAD and ERP worlds.

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Project Planning

- Project Planning
- Based : APQP (Advance Product Quality Planning)
  - Activity related to Organization (New Model, An Event)
  - Milestones (Scope Design, Feasibility, Assembly, Testing ..)
  - Milestone Status (Started, In Process, Late, Finished..)
  - Milestone Budgeting
  - Milestone time scheduling

DMS: Document Management System
&
Email Management

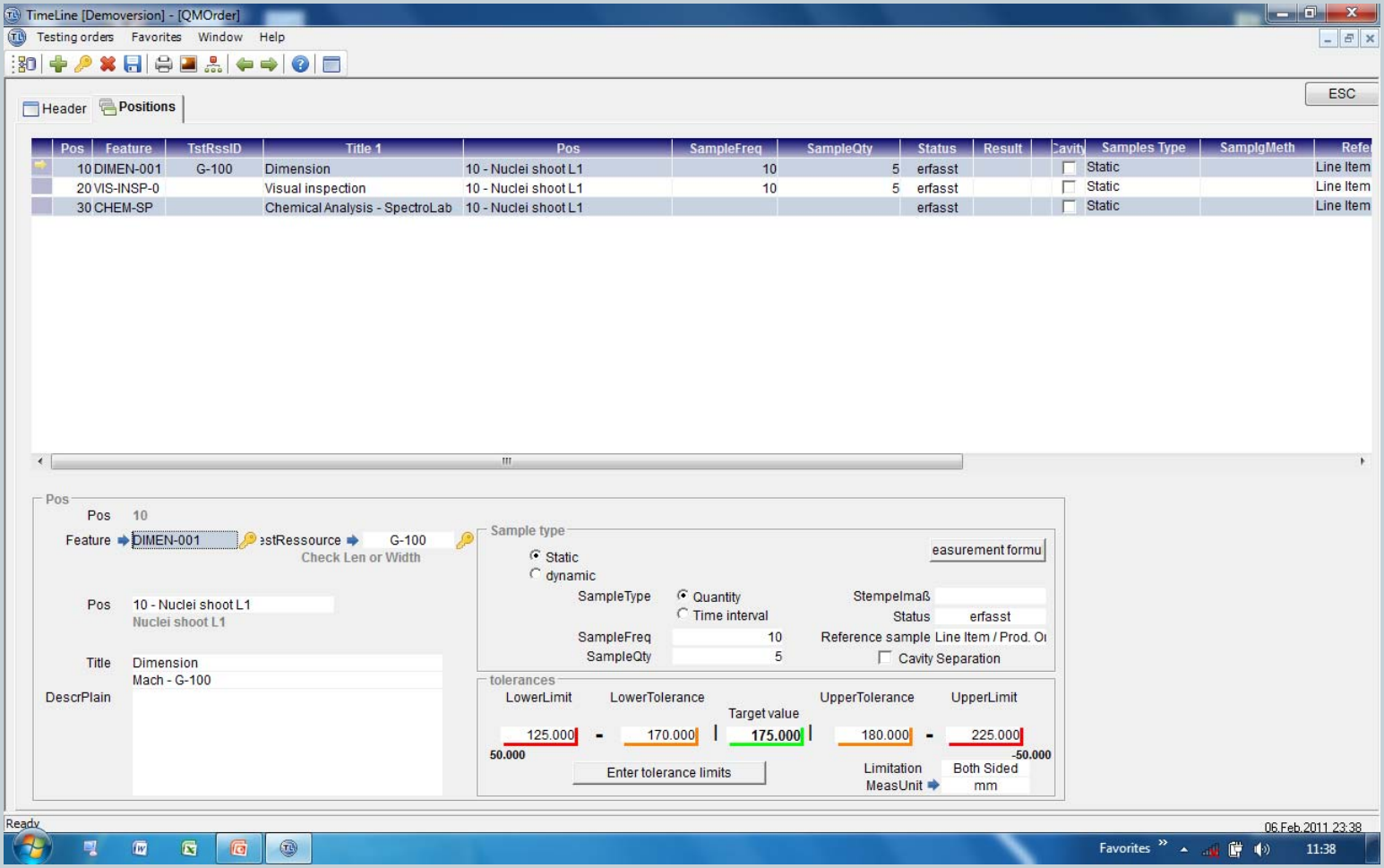
in Association with CRM

- Document Management System
  - **Each document is equipped with DMS**
  - **Digitalization of Business & Production Flow to achieve Paper Less Office**
  - **With OCR Support**
- Email Management (With Incoming Mails)
- Both in a integration with CRM
- View all mails of a BP in one single Screen

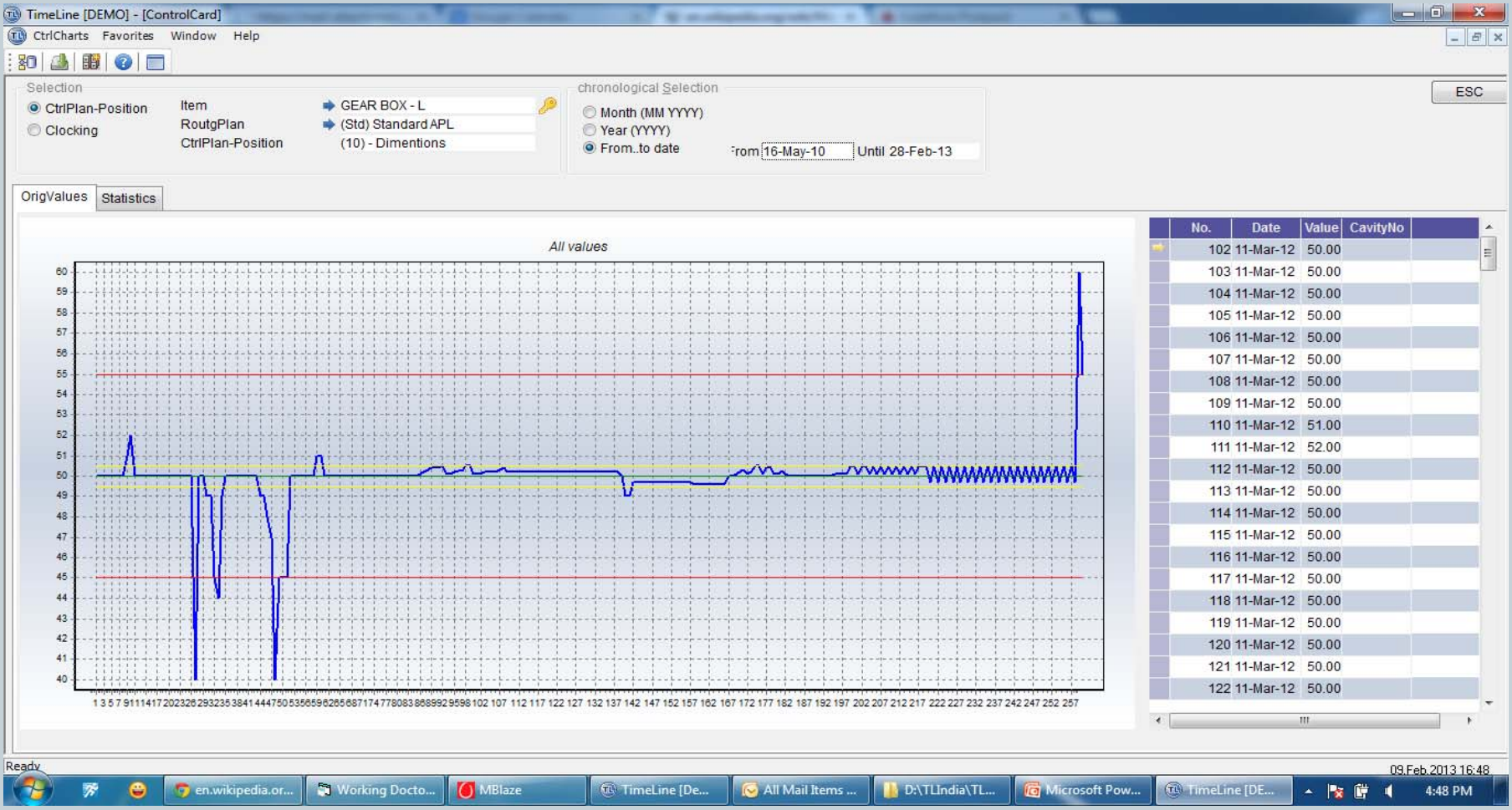
Warehouse Master

- Multi Warehouse management
- Storage Location
- Accessibility by Material Req. Planning
- Negative stock allowed or not
- Optional blocking of warehouse transactions, while inventory is in progress
- Batch & Serial Item management
- FIFO Management
- Serial / Batch Number Management

Quality Check



Control Chart



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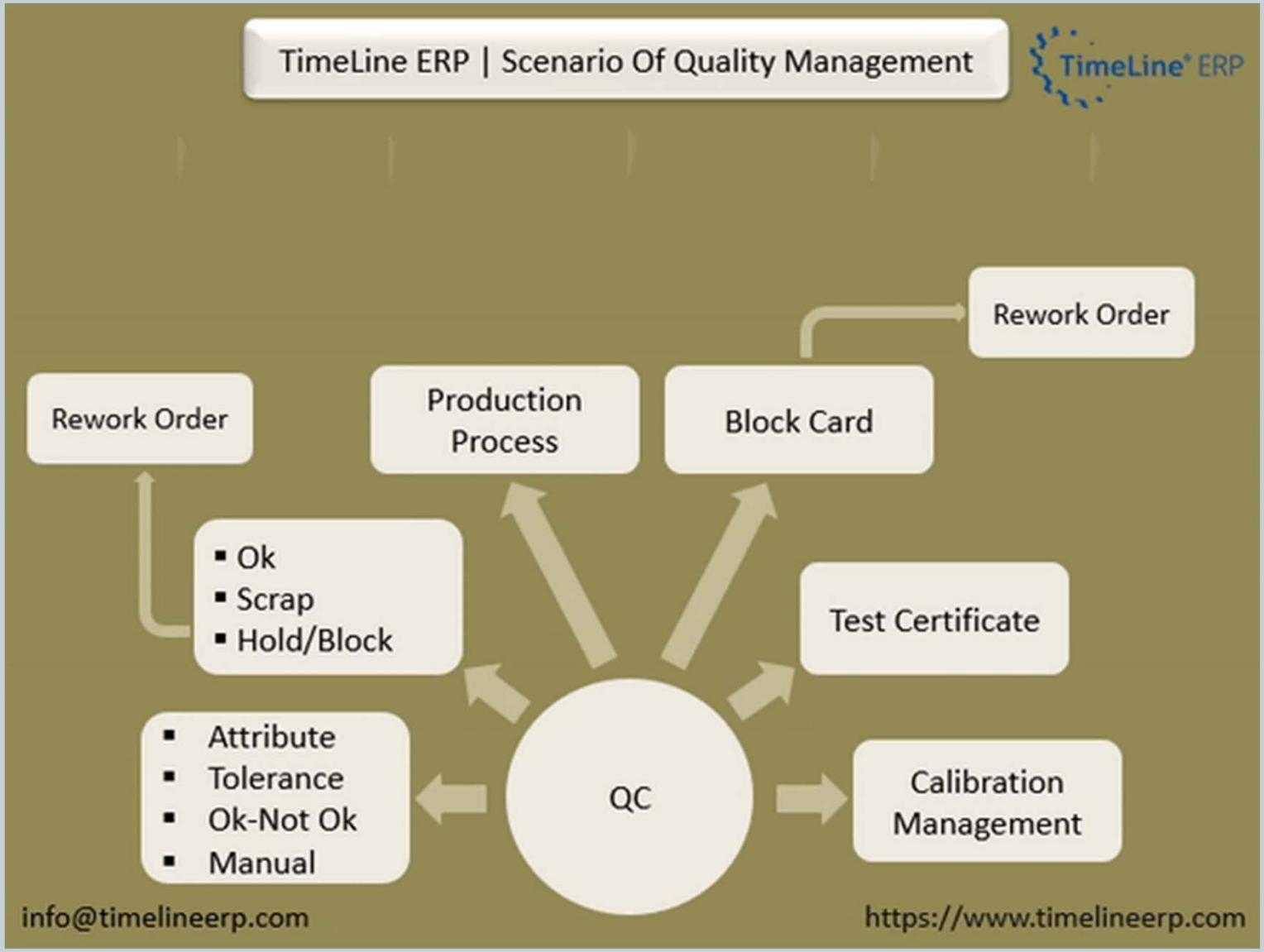


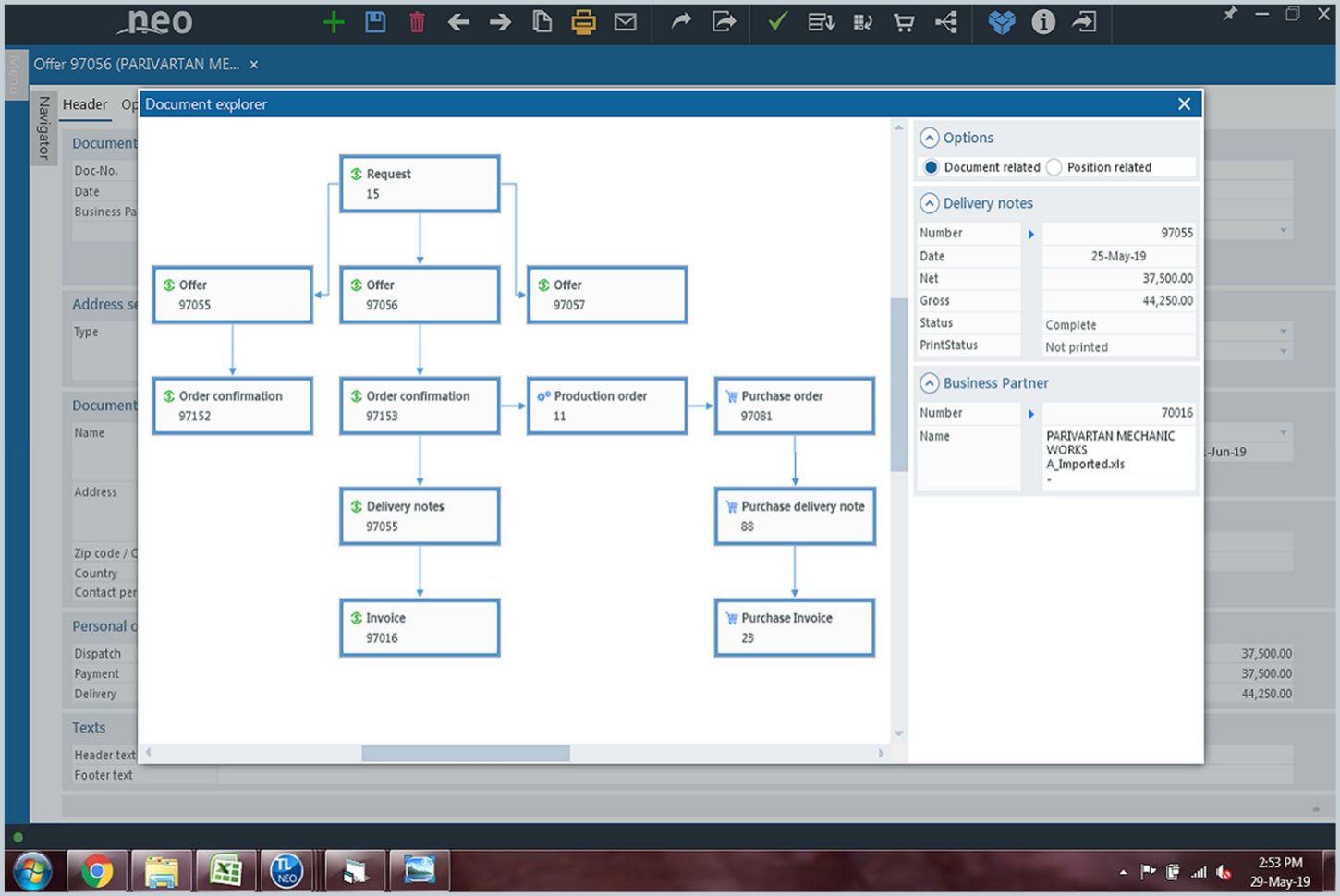
Quality Check

- Quality Check for Items to be Produced & Purchased
- Prod Step can be assign to a Test Order
- Measurement & SPC Inspection Orders
- Control Chart
- Four different types to perform a Quality Check
- Tolerance / Limits
- Sample Frequency Vs. Sample Quantity
- Calibration Management of Inspection Equipment

Claims Management

- Can be used to resolve issues related to flow / production
- Monetary Part might exist or not
- Can be of 3 types
  - Customer Claims
  - Supplier Claims
  - Internal Claims
- Action taken to resolve claim
- Estimation of claim
- Actual cost incurred

Document Flow



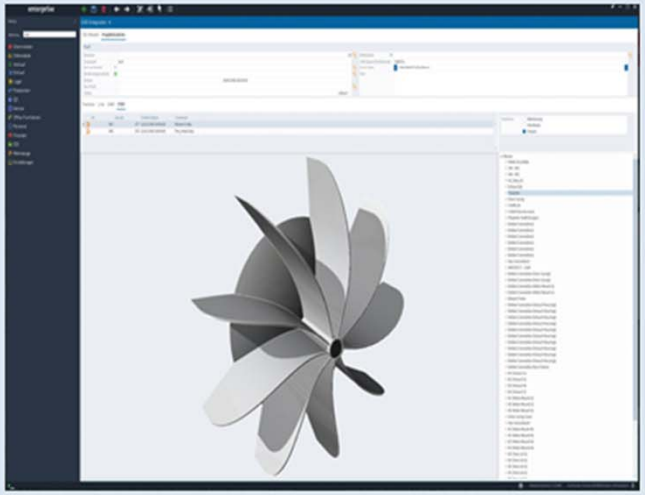
CAD Integration

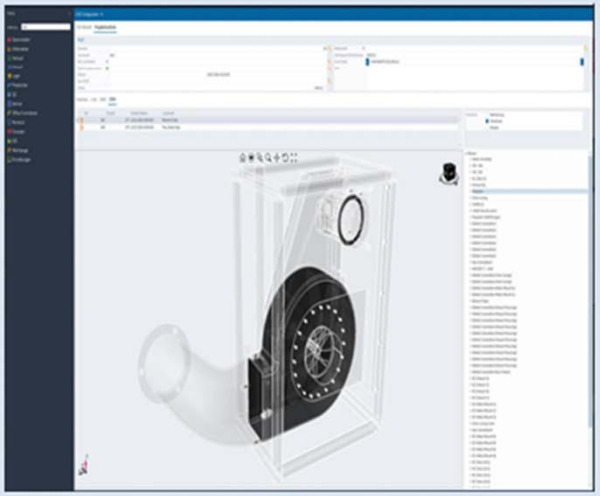
First Time Plugins to Merge CAD into ERP World

TimeLine® ERP

CAD Plugins

For the First time, TimeLine Offers Plug-ins for Autodesk Investor, Solid Edge and Solid works to merge the CAD and ERP Worlds. Once Setup, You can edit TimeLine article and metadata from the CAD environment.





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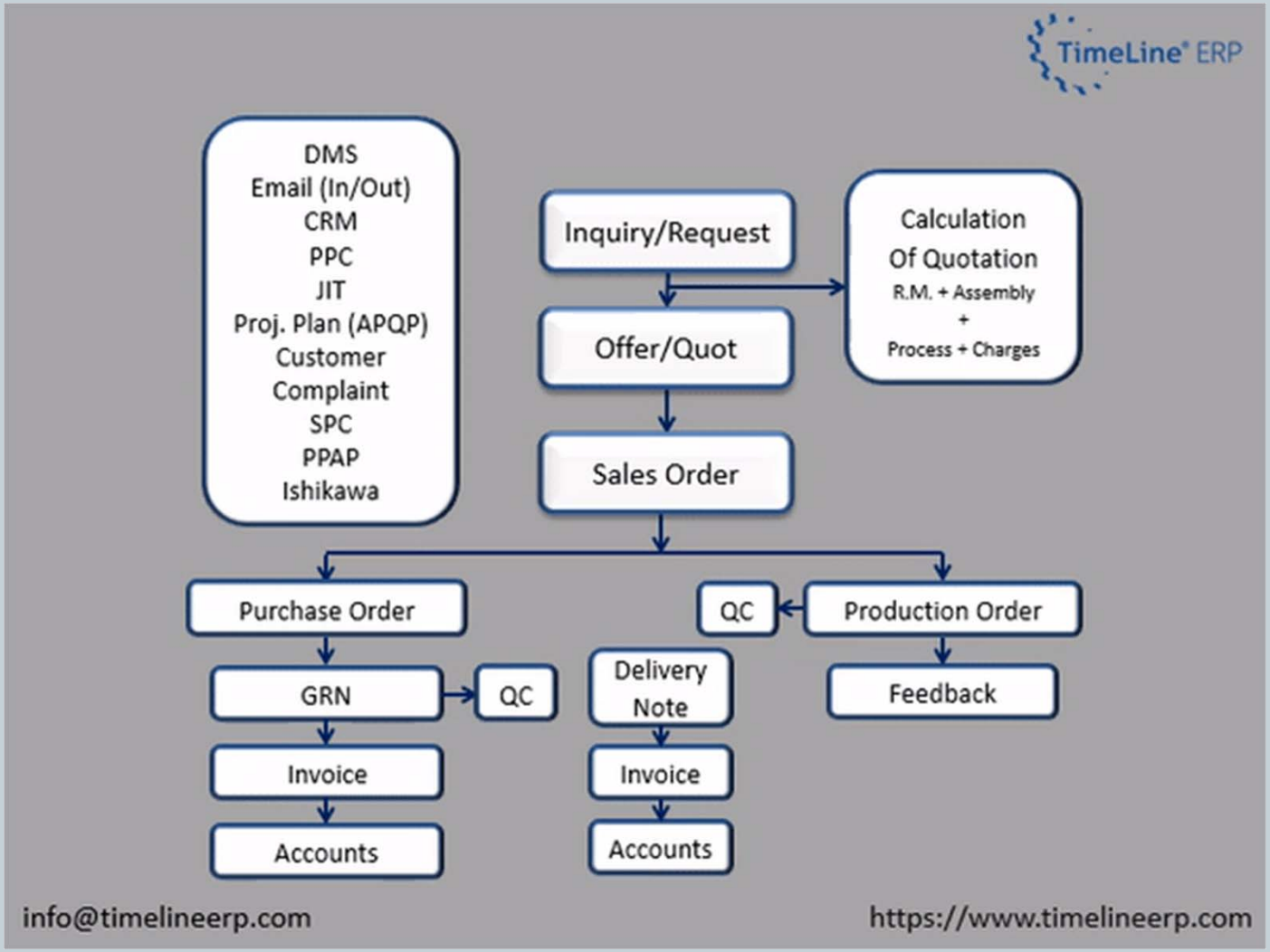
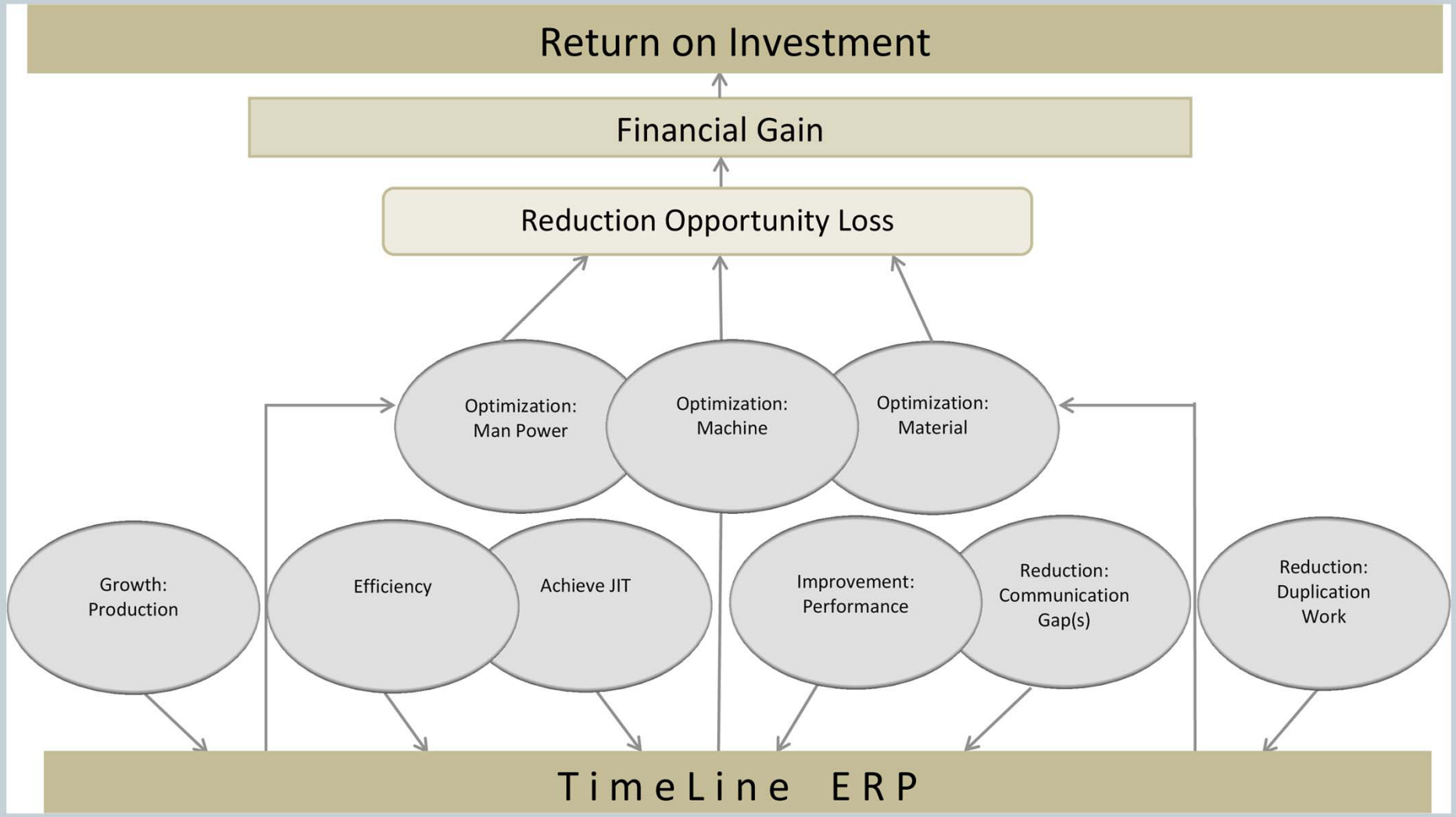
Process Flow



Return of Investment