



"Simplicity is the ultimate Sophistication." - Leonardo Da Vinci

"Simplicity is not a Simple thing." - Charlie Chaplin

"Simplicity is the key to Brilliance." - Bruce Lee

"Simplicity is the by-product of a good idea and modest expectations." - Paul Rand

"Never overlook the Power of Simplicity." - Robin Sharma

"The Road to Simpli-City, is a complex one." - Sanjiv Singh

# SIMPLICITY

*Because leaders know better.*

## SIMPLICITY AT ITS CORE

G.A.P OSM is an 'Operating System for Manufacturing' Software, offering configurable solutions to common and not so common problems.

ERP is passé.. it has now graduated to OSM.

G.A.P OSM is an offspring of a DOS based ERP i.e. Enterprise Resource Planning that was in perpetual Beta mode for around 3 decades and has now been born in a new Browser based avatar. It has a unique validated history and has been growing wider and deeper, day by day.

OSM is AWESOME. It is more extensive than any ERP. It includes all the basic modules of a common ERP but is designed to DIGITIZE your work environment. It also creates and works using IOTs for realtime online controls.

G.A.P OSM helps the Industry to meet the existing and future challenges:

- Reduces Time to Market ( Better controls on Design, Development, Production and Right First Time)
- Enhances Flexibility ( Fast Change Management / Response to changing Customer needs )
- Improving Quality ( of Products, Services, Communication and almost everything that you do )
- Increasing Efficiency ( of Men, Machines and Money )
- Reduction in Cost ( for making you competitive and more Profitable )

And all this in a simple user friendly way that is easy to own, install, implement and control. Suitable for both Big and Small Businesses. It is available both on the cloud as a SAAS model or a full On-Site installation. It is Browser based and accessible from anywhere and can be used on any device ( PC, Laptop, Tablet or Smart Phone ). It has configurable security setup for ensuring data safety.

The various modules that are included in G.A.POSM are shown below:  
**SALES MODULE**



This module is integrated with manufacturing and accounting. On billing, it updates the stock and the customer account. It also has functions of sending quotations, P.I.s, booking orders and controlling the credit limit of customers. You also have the option to view sales statistics of the company from here.

**FINANCE AND ACCOUNTS**



This module takes care of all the accounting needs of an organization. Integrated Purchase Vouchers, Multiple Configurable Cash boxes, Reporting from Balance Sheet and P&L down to viewing of a sales invoice or voucher is possible. GST, Tour & Travel Bills, Consumables used in the Company are also available to view here.

**PURCHASE MODULE**



This module does monthly resource planning process, vendor management Process, Purchase Order Process and the entire month's MRP on single click of a button.

## NEW BUSINESS DEVELOPMENT (NBD)

The screenshot shows the NBD (New Business Development) module interface. At the top, there is a navigation menu with options like Home, Sales, Finance, NPD, Stores, QA, Purchase, HRD, PLM, e-CAPA, Dashboard, TPM, Mfg, I3I, FGI, TECH Support, Payroll, Dac Control, Tool Room, PCMD, NBD, Asset, and EHS. Below the menu, the user is logged in as 'NBD / User Function / Work on Projects'. The main area displays 'IDC No. 5' and customer information for 'HELLA INDIA LIGHTING LIMITED'. The contact person is 'Ajay Mittal' with contact number '8908149251'. The item name is 'Safety Cut Off Switch 200 Amps' and the part number is '100000'. There are two main sections: 'Drawing' showing a technical drawing of the switch and 'Picture' showing a photograph of the physical switch. Below these sections are buttons for 'Choose File' and 'No file chosen'. At the bottom, there are several tabs: 'Technical understanding And capacity analysis', 'Cost of Production', 'Resource Availability', 'Risk and relevance', 'Commercial terms', and 'Photo SCM'.

New Business Development module:

1. Helps you do Costing of any New Product.
2. Helps conduct a Risk & Relevance study
3. Capacity Study
4. Technical Feasibility Study

## Customer Business Review and Growth Plan

The screenshot shows the 'Customer Business Review and Growth Plan' interface for 'Z214-01 (RESISTOR FOR RADIATOR)'. It features a bar chart for 'Last six months actual sale' and a line chart for 'Next 6 months projections'. Below the charts is a table of invoices with columns for Sno, Inv.No, Inv.Date, Due Date, Inv. Amt, and Balance. The total invoice amount is 53,90,149.00. A red banner states 'No Quality Complaints Received in this quarter.' Below the table is a section for 'New Business Review for Quarter - Quarter - 1' with a table for 'Sc.No.', 'Item', 'Used In Project', 'Expected SOP', 'Monthly Qty', 'Target Price', and 'To Contact Person (Mob.No/Email)'.

Sno	Inv.No	Inv.Date	Due Date	Inv. Amt	Balance
1	112	10-04-2018	28-05-2018	130251.61	2,604.98
2	2171	13-08-2018	12-09-2018	106992.39	1,06,992.39
3	2236	18-08-2018	17-09-2018	241895.64	2,41,895.64
4	2338	24-08-2018	23-09-2018	265155.06	2,65,155.06
5	2369	27-08-2018	26-09-2018	288414.28	2,88,414.28
6	2427	30-08-2018	29-09-2018	69777.65	69,777.65
				<b>Total</b>	<b>53,90,149.00</b>

5. Identifies areas of Business Growth: Customer Wise, Tracks the sale of each Product to the Customer and displays trends. This helps in deciding the added marketing efforts required.

## Item Wise Business Review and Growth Plan

The screenshot shows the 'Item Business Review & Growth' interface for 'Item : Resistor Blower (2162-01SV3)'. It features a bar chart for 'Last 10 years actual' and a bar chart for 'This Year'. Below the charts is a table showing sales data by year and quantity. The total quantity for 'This Year' is 56,400. Below the table is a section for 'Being sold to customer' with a table for 'Customer Name', 'Qty in Last Qtr', and 'Profile'. The customer listed is 'SANDEN VIKAS (INDIA) PVT.LTD / C7548' with a quantity of 32,400 for 'CARS'.

Year	Qty
08-09	0
09-10	0
10-11	0
11-12	0
12-13	1,29,500
13-14	1,29,000
14-15	1,10,550
15-16	1,05,850
16-17	88,350
17-18	1,13,100
18-19	56,400

Year	Qty
04	9,300
05	10,950
06	12,150
07	12,000
08	12,000
09	0
<b>Total</b>	<b>56,400</b>

Customer Name	Qty in Last Qtr	Profile
SANDEN VIKAS (INDIA) PVT.LTD / C7548	32,400	CARS,

6. Product Wise

Tracks the sale of each Product over the years. Helps to understand the Customer profile of the Product users and identifies other customers that have a similar profile.



## New Product Development (NPD)

Product Code	2197-2124	Description	Solenoid Relay DPST 24 V	Project I/C	EJ406(Arunach Chohan: E2537)Bhuvan Jain
Customer Code	C-19087	Customer Name	HELLA INORA LIGHTING LIMITED	Customer Part No.	
Purpose	Business for Battery Cut Off				
Target Date	06-04-2018	Sale Cost	Rs.1,200.00	Target Cost	Rs.700.00
Annual Qty.	6000 Nos	Project Life Expected	5	Annual Revenue	Rs.Lacs 160
Actual Date of Sample Submission	20180517	Target Date of Sign Off		Actual Date of Sign Off	20180405
Drawing		3D pdf File		Picture	
Choose File   No file chosen   Upload Drawing		Choose File   No file chosen   Upload 3D pdf		Choose File   No file chosen   Upload Picture   CAMERA	
Part List	Costed BOM	Functions	DFMEA	Asy Process & Skill Development	PFC
PFMEA	Control Plans	PPAP	Inspection Sheet	PDI	Layout Inspection Sheet

This module helps in preparing Part Lists / BOMs, deciding on Make or Buy, Indenting and Costing. It further defines the manufacturing Process, Production cycle times, Product and Process Control Parameters. It gives outputs like control plans and pre-filled Inspection sheets. It also helps in conducting / controlling FMEAs. It is based on APQP. It follows a logical sequence to Define, Design, Develop, Deploy and Digitize. All the required PPAP documentation gets prepared automatically.

## PLM Module

The screenshot shows the PLM (Product Life Cycle Management) interface. At the top, there's a header for 'GAP OSM' and 'Gilard'. Below that, a navigation bar includes Home, Sales, Finance, NPD, Stores, QA, Pur, HRD, PLM, e-CAPA, Dashboard, TPM, Mfg, IGI, FGI, Support, Payroll, Doc Control, Toolroom, PCMD, NBD, Asset, EHS, and Visitors. The main content area displays a 'Finished Product Master List (Items which have BOMs entered in the ERP)'. The table below lists various product items with their descriptions and associated data points.

Number	Description	Drawing	Pictures	Customs drawing	PFMEA	DFMEA	Control Plans	PDI SHEETS	Last Process Audit Date	Skill Matrix	Specification sheet	MORE
1213-07FP	TERMINAL BLOCK 7 WAY PLAIN PLAIN	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-07SB	TERMINAL BLOCK 7 WAY SOLDER SOLDER	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08PC	TERMINAL BLOCK 8 WAY PC TYPE	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08PL	TERMINAL BLOCK 8 WAY'S PLAIN B/F	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08PP	TERMINAL BLOCK 8 WAY'S PLAIN PLAIN	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08PS	TERMINAL BLOCK 8 WAY'S PLAIN SOLDER	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08SL	TIE 8 WAY SOLDER BACKFEED	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08SS	TERMINAL BLOCK 8 WAY SOLDER SOLDER	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-09FC	TERMINAL BLOCK 9 WAY PC TYPE	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE

This module takes care of the manufacturing data. It contains the BOMs and the data related to machines and production. Links with production orders and ensures controls as designed are implemented on the shop floor.

## RCA & CAPA using G.A.P-OSM™

### Root Cause Analysis and subsequent Corrective Actions

Imagine you receive a quality complaint for a product from your customer and you need to identify the root cause and take the required corrective actions. Our module helps you do this using a systematic approach and available data like BOMs, Inspection Reports, DFMEA, QFD, PFC and Process Sheets. In quick time, it leads using very basic inputs to identify the root cause and guides to the required corrective actions. Once the root cause has been identified, the corrective action may include one or more of the below listed activities.

1. Correction in design, dimensioning, tolerancing, marking special characteristics
2. Correction in DFMEA, PFMEA, PFC or Process Sheets or Control Plans.
3. Changes and Modifications in machine tools or settings.
4. Training of manpower, skill development or sensitization

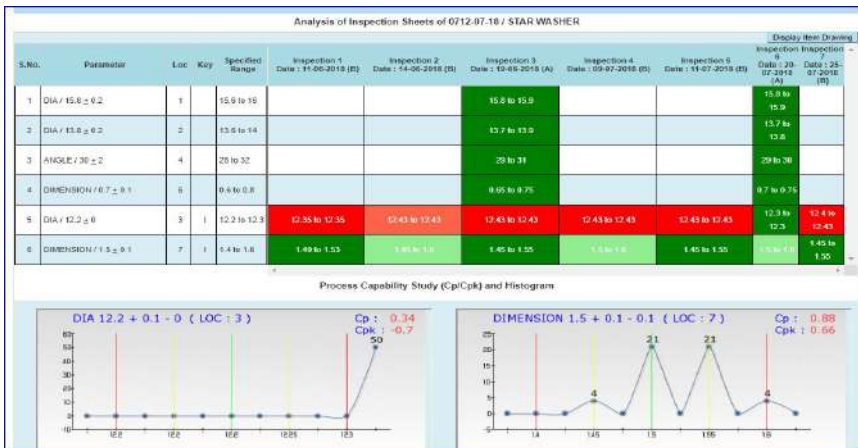
G.A.P-OSM™ then online transfers the responsibility of performing these corrective actions to the departments and persons concerned. Further, the corrective actions, their delegation and monitoring for closure is also done. Final printed out report is also available for record-keeping or submission to the customer.

## Quality Assurance (Q.A.)

Gilard		GAGE REPEATABILITY & REPRODUCIBILITY (GR&R)										Date: 27th of August 2019 User: Henry Time: 02:30:07 PM	
Tool No: MSA 194		Gage Description: EC003 - ELECTRONIC CALIPER										Date: 27-08-2019	
The Gauge R&R is to be done on 10 Parts, 3 Operators and 3 Readings each													
OPERATOR / TRIAL NO	PART												
	1	2	3	4	5	6	7	8	9	10			
Operator A / Trial 1	5.33	5.12	5.55	5.42	5.22	5.62	5.45	5.36	5.26	5.48			
Operator A / Trial 2	5.33	5.12	5.54	5.42	5.21	5.63	5.45	5.36	5.25	5.48			
Operator A / Trial 3	5.32	5.13	5.55	5.41	5.21	5.62	5.46	5.31	5.26	5.47			
AVG	5.33	5.12	5.55	5.42	5.21	5.62	5.45	5.31	5.26	5.48	XA BAR	5.37	
RANGE	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	XA BAR	0.01	
Operator B / Trial 1	5.33	5.12	5.55	5.42	5.21	5.62	5.45	5.32	5.26	5.48			
Operator B / Trial 2	5.33	5.13	5.55	5.42	5.21	5.61	5.46	5.31	5.26	5.48			
Operator B / Trial 3	5.32	5.12	5.54	5.41	5.22	5.61	5.45	5.36	5.26	5.48			
AVG	5.33	5.12	5.55	5.42	5.21	5.61	5.45	5.31	5.26	5.48	XB BAR	5.37	
RANGE	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0	0	XB BAR	0.01	
Operator C / Trial 1	5.33	5.12	5.54	5.42	5.21	5.62	5.44	5.36	5.27	5.48			
Operator C / Trial 2	5.33	5.12	5.54	5.42	5.21	5.61	5.45	5.36	5.26	5.48			
Operator C / Trial 3	5.32	5.12	5.54	5.41	5.21	5.62	5.45	5.31	5.26	5.48			
AVG	5.33	5.12	5.54	5.42	5.21	5.62	5.45	5.3	5.26	5.48	XC BAR	5.37	
RANGE	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	XC BAR	0.01	
Part Avg Xp Bar	5.33	5.12	5.55	5.42	5.21	5.62	5.45	5.3	5.26	5.48			
Range Part											0.5		
R BAR											0.01		
Part Average											5.37		
No. of Defect Categories											29.328		
UCL											UCLX		
LCL											LCLX	5.35	
2-SIGMA OFF											0		
Repeatability (EV (Equipment Variation))											0.06		
Reproducibility (AV (Appraiser Variation))											0.02		
Part Variation											0.04		
Total Variation											0.04		
R & R											0.06		

This module integrates Quality checks at all points like Incoming, In-Process and Dispatch. It uses the data and drawings provided by the PLM module to perform the inspection and reporting. It also has functions to do MSA and control on Inspection Equipment including calibration requirements. It also does Handling of Non-Con Materials.

## IGI (Incoming Goods Inspection)



This module views inspection sheet, DJIS, DPIS, ICRR, and shows all Item Master. You can view Items pending for Re-inspection and Rejection Report of vendor supplies. You can also see the cp/cpk of product parameters calculated over different incoming batches.

## FGI (Final Goods Inspection)

Items No.	Description	Stock	Rate	Amount
2162-14K1A	4RPEED RESISTOR INDICA VISTA	120	72.21	4,679
919	CABLE	165	116.00	9,145
725-7413P	INDICATOR SWITCH ASSY	104	35.00	1,969
713-11B	TOGGLE SWITCH DPST 4.5 AMP BLACK	50	25.75	995
713-21B	TOGGLE SWITCH DPST 4.5 AMP BLACK	10	24.21	130
713-22B	TOGGLE SWITCH DPDT 4.5 AMP BLACK	39	27.81	985
752-04	BRAKE LIGHT SWITCH	45	40.20	978
755-03	START SWITCH	18	129.00	1,253
2165-05	PLATE ASSY COVER	928	68.51	30,832
734-04	UATADU GINTAU	60	7.44	447

This module shows Inspected items in FGI, FGI stocks status and reports. FGI does the final inspection and correction if required.

## HRD Module

The screenshot displays the HRD (Human Resources Development) module interface. At the top, there's a navigation bar with various menu items like Home, Sales, Finance, NPD, Stores, QA, Pur, HRD, PLM, e-CAPA, Dashboard, TPM, Mtg, IGI, FGI, Support, Payroll, Doc Control, Teamroom, PCMD, NRD, Asset, EHS, and Visitors. The main content area is titled 'HRD | User Function | Probation Record' and shows a 'Group Probation Progress Report' table. The table lists employees on probation with columns for SNo, Name, ECode, Dept/Sec, Image, Probation Start, DOJ, Current Salary, Reporting To, Months, Status, Email, and Updated Date. Three employees are listed: Duneet Kaur, Abhishek Rana, and Shubham. A legend at the bottom indicates 'Probation Estimated' (blue), 'Probation Completed' (green), and 'Data Not Available' (red).

SNo	Name	ECode	Dept/Sec	Image	Probation Start	DOJ	Current Salary	Reporting To	Months	Status	Email	Updated Date
1	Duneet Kaur	E2842	HRD/HRD		13-03-2019		2100	Manvinder Kaur		COMPLETED	Done	25-11-2019
2	Abhishek Rana	E2043	ACCOMPLANCE		28-03-2019		9700	Anju Rana	5	COMPLETED	Done	03-01-2020
3	Shubham	E2644	MLD/GARV		01-04-2019		10000	Ritu Sharma	3	COMPLETED	Done	03-01-2020

Besides preparing monthly Payroll with all the required legal and MIS reports, this module keeps a track of all the employees viz a viz their training needs, their qualifications and work experience, and also their Performance Monitoring for Appraisals.

## Payroll Module

The screenshot shows the Payroll module interface. The main content area is titled 'Payroll | User Functions | Payroll Report Menu' and displays a grid of report categories and their sub-items:

- (A) Annual Reports:** Annual Bonus Register, Annual Incentive Report, Annual Statutory Report, SL Encumbrance (CSV/Print), Employee Wise Summarized Annual Paid Salary, Employee Wise Wages, Mandatory Workers Absenteeism & Labour Turnover, Year & Month Wise OT Hours Report.
- (B) Bank Transactions:** Cash Salary, Current Month Bank Transfer, Statement, Director's Salary, E-Payment Salary CSV, NEFT Salary, NEFT Salary CSV.
- (C) ESI / PF Nomination:** Covered Under Group Insurance, ESI Form 10, ESI Form 5, ESI Nomination, PF Acknowledgn.
- (D) Leave Record Information:** Leave Ledger, Reason Wise Leave Report, Sick Leave / Medical Leave Record.
- (E) MIS:** Absenteeism, Grievance & Longevity Report, Designation Report, Employee With 100% Absenteeism, Manual Intervention Report, Monthly CD, SL, DS & AA Report, Monthly Absenteeism Report.
- (F) Monthly Legal:** Covid Sustainability Allowance, Department Wise Salary Report, Incentive Report, Month Wise TDS Deduction Report, Payslips, Salary Register, Salary Register with Bank Statement.
- (G) PF & ESI (Monthly):** ESI File for Uploading, ESI Register, KYC For PF (CSV), Labour Welfare for Uploading, PF File for Uploading, PF Register.

This module prepares Monthly Payroll, Maintenance of ESI, PF, Bonus, Salary, Incentive, Auto-generated Employees Pay-slips, Auto generated Employees wage register, ledger for Casual and Earned Leaves and individual career progression reports for Employees.

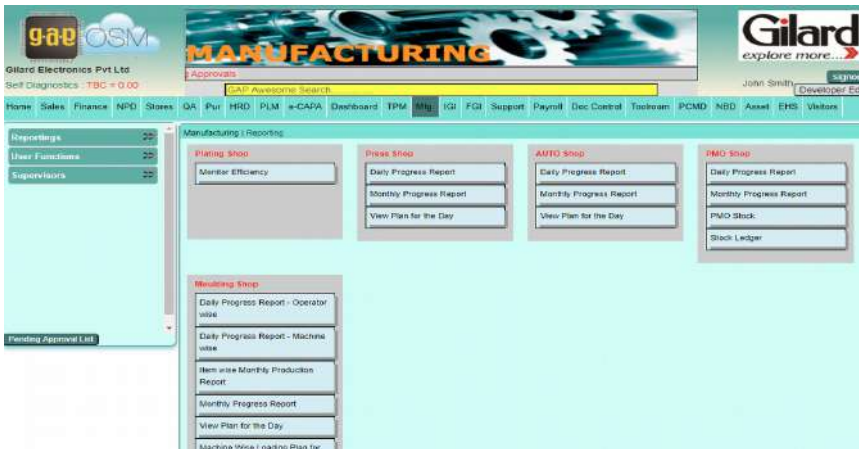
## Environment Health and Safty (EHS Module)

The screenshot displays the EHS (Environment Health and Safty) module interface for conducting an Aspect Impact Analysis (AIA). The form includes fields for Process Code (PC0002), Process Description (Zinc Plating), Department (PLT / PLATING), Responsible Person (Sureshwar Singh | ESH/SA), Activity Name (Electroplating), and Event (Normal). Below these fields, there are two main sections: 'Aspect / Impact Analysis (AIA) for Environmental Issues' and 'Hazard Identification and Risk Assessment (HIRA)'. The AIA section includes fields for Aspect (Water discharge (output)), Description, Impact (Land pollution, Ground water contamination, Depletion of nature), Impact Analysis (checkboxes for Legal program, Treatment facility, Warning sign, Labeling, Second Containment, Engineering, Cleaning kit, 3R, Monitoring, Admin, Greening program, Others), and Index (5 (Most likely or continuous)). The HIRA section includes Safety Concern (Acids can cause burn injuries), Occurrence Index (2 (Remote or unusual)), Severity Index (3 (Serious injuries or permanent disability)), Counter Measure (Personal protective equipment), and Measure Description (Use Rubber Gloves, Rubber boots and Goggles). A 'Save & Exit' button is visible at the bottom right.

This module identifies all the Processes in the Company. It helps conduct AIA ( Aspect Impact Analysis ) and HIRA ( Hazard Identification and Risk Assessment ). It further helps to decide the Counter Measures to make it safer and less hazardous.

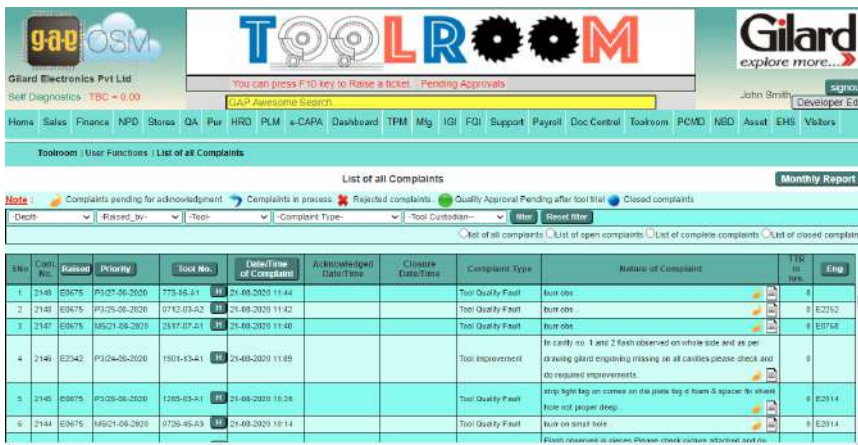


## Manufacturing Module



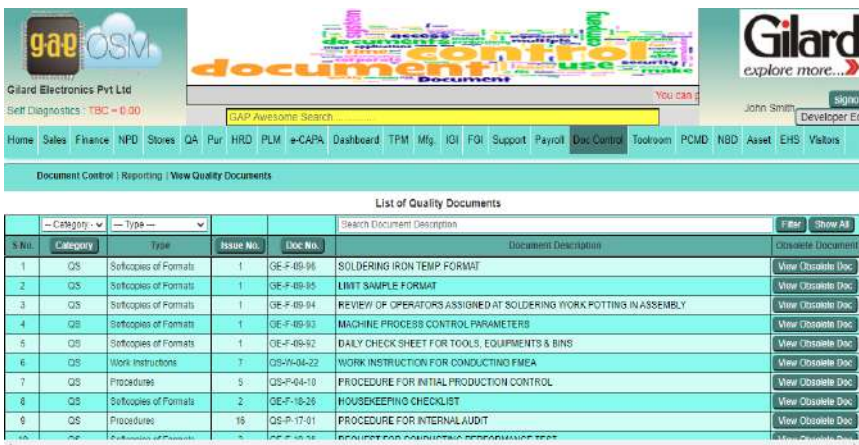
This module takes care of all the manufacturing activities including receiving raw materials and parts, storing them to various Production Shops and Assembly lines to Finished Goods Stores routing them through QA checks wherever required.

## Tool Room Module



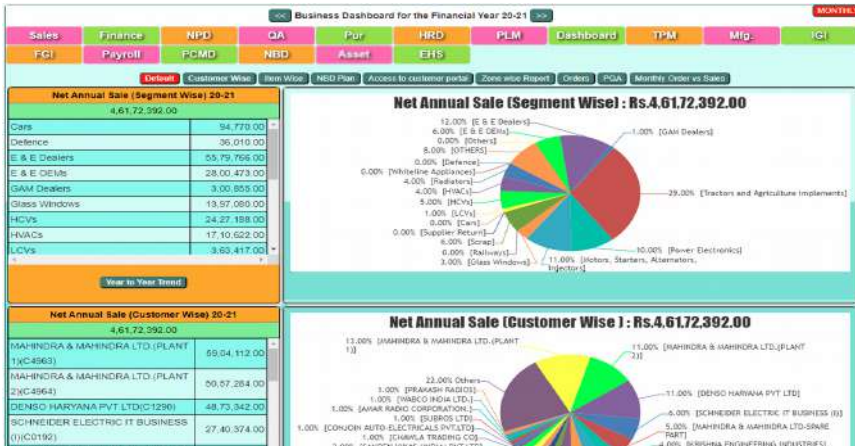
This module is for registering and viewing complaints of Tools for Maintenance. Tool History in terms of Production, Types of Repairs and Preventive Maintenance done, MTTR, MPBF, Repeated nature of Repair done etc. is reported.

## Document Control Module



This module is used for online control of documents for online access to the users. All quality documents like quality manual, Quality Plans, Procedures, Work Instructions and any other controlled documents can be viewed and saved here.

## Dashboard Module

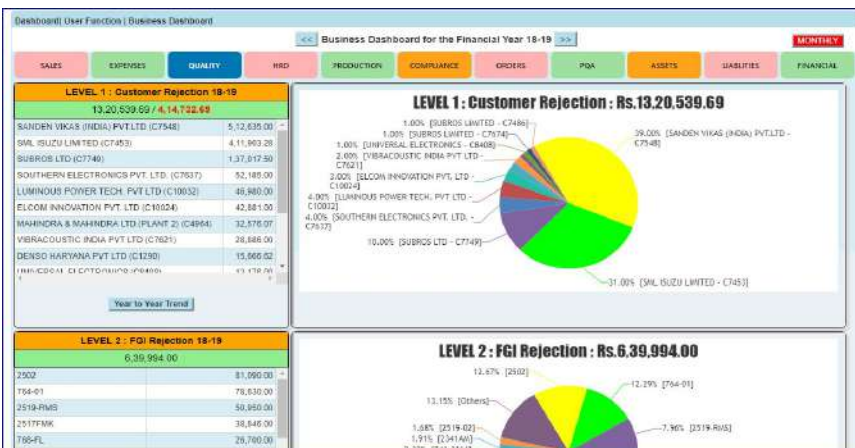


## Sales Reports

Segment wise, Customer wise and Product Wise Sales analysis. Year to Year, Month to Month.

Zoomable down to Micro Level.

## Quality Reports



## Rejection figures observed at 5 different Levels :

1. Customer Level
  2. Pre-Despatch Level
  3. Assembly Level
  4. Production Shops Level and
  5. Incoming Level of Suppliers
- Year to Year, Month to Month. Zoomable down to Micro Level.

## Orders Received vs Execution



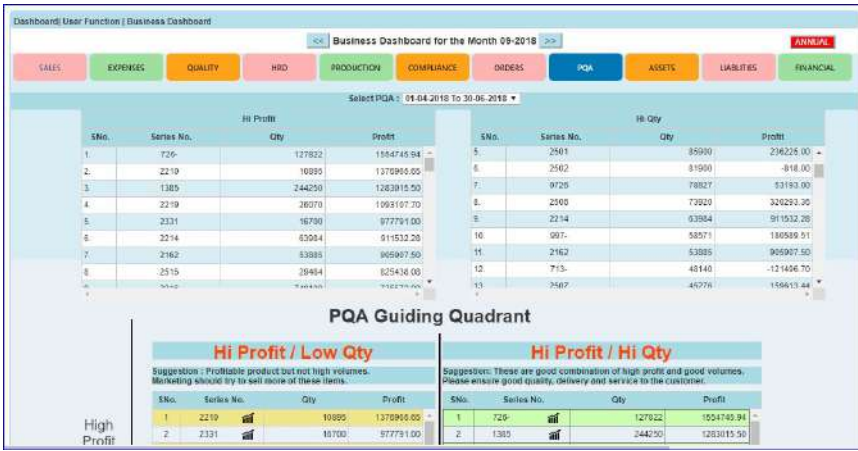
## Orders Received vs Orders Execution

1. Customer Wise
- Year to Year and
- Month to Month.

Zoomable down to Micro Level.



## Dashboard Module

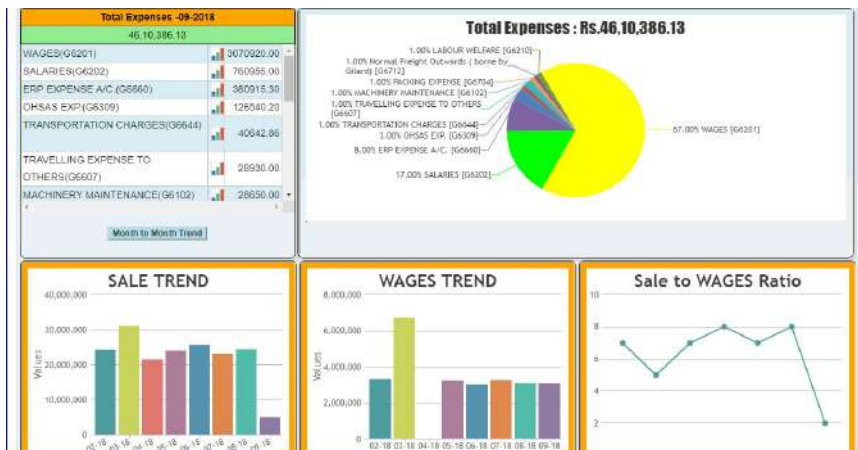


### PQA based Study

To check the Quantity of any Product sold, Its Cost of Manufacturing and its Selling Price comparison. Profitability of each Item.

Identification of Products that are more Profitable guides us to improve our market share of these products

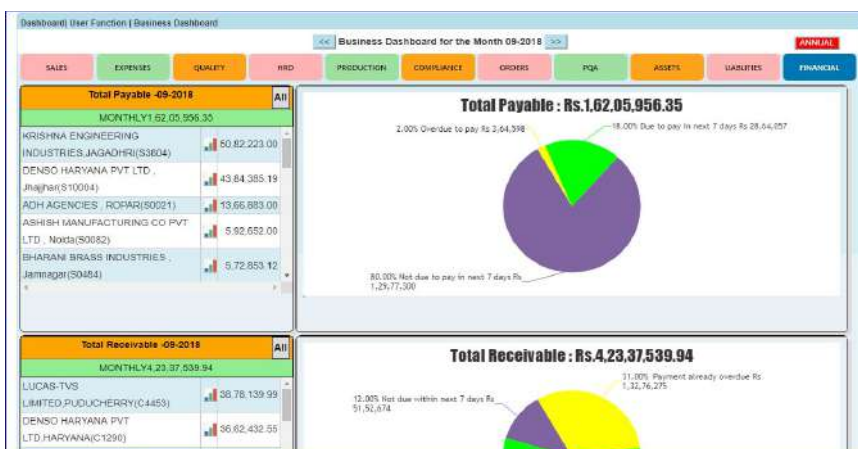
## Control on Expenses



### Budgeting and Expense

To check the expenses made under each head. This helps in controlling the expenses. The Trends of Expenses incurred are also available to view as a ratio of Sales Figures

## Financial Analysis



Amount Payable to the Suppliers and Service Providers as well as the Amounts Receivable from our Customers. This also with details of Ageing. The Bank Balances available transaction to transaction as well as at the end of each day are also represented in graphical presentation.

## Legal Compliance

S No.	Act Name	Available
1	Advertisement Council of India Guidelines	✗
2	Air (Prevention and Control of Pollution) Act, 1981	✓
3	Apprentices Act 1961	✓
4	As per GST Rule	✓
5	As per Municipal Corporation	✓
6	Central Ground Water Authority regarding Ground Water Borewell	✗
7	Central Motor Vehicle Act and Rules 1988	✓
8	Certificates and Awards	✓
9	CHILD LABOUR (PROHIBITION & REGULATION) ACT, 1988	✗

This Module lists all the possible Legal Compliance issues that may or may not be applicable to the Organization. It then records the justification of it being or not being applicable. It then documents the Activities to be performed in case it is applicable. It also provides a Responsibility based tracking calendar to ensure that all the Compliances are fulfilled.

## Total Preventive Maintenance (TPM)

Machine Code	Asset Code	Department	Category	Name	Class	Owner	Operator	Trained Operators
PO003	SD411	Production	INDIAN PRESS	IT	Key			Review
IND-PMS-0003	SD411	Production	Small Wheel Press No 5	IT	Regular			Review
SD411	UTILITIES		COST OF MFD ENGINEER (RS. PER HOUR)	IT	Regular			Review
L201	LAB	Production	Life Test Machine	IT	Regular			Review
CH-IMP-CHAIRS	SD047	Service	ALL CHAIRS OF GILARD	IT	Key			Review

This module is used for Preventive and breakdown Maintenance of Machines, Handling of spare stock, Consumption of water in Electricity Expenditure, Consumption of water in Plating and History of tool Maintenance.

## e- CAPA (Knowledge capturing and retention)

S No.	Date	Area of NC	Initiator	For item	NC observed by	Type of CAPA	Description	Keyword	Handover To	OPEN	CLOSED
1	01-12-2014	FIELD COMP	sanju	791-04	Mahindra & Mahindra	CUSTOMER COMPLAINT	hazard Switch			■	X
2	01-12-2014	FIELD COMP	sanju	782-04	Mahindra & Mahindra	CUSTOMER COMPLAINT	brake light switch			■	X
3	01-12-2014	PLATING	sanju	SYSTEM	TRELLEBORG VIBRACOUSTICS	EXTERNAL AUDIT	PROCESS CONTROL			■	X
4	01-12-2014	PLATING	sanju	PROCESS CONTROL	QMS AUDIT TS19649	INTERNAL AUDIT	MONITORING			■	X
5	12-12-2014	Plating	harish	2507	LWGN- TV5	CUSTOMER COMPLAINT				■	X
6	12-12-2014	Plating	harish	2507	IGI	INHOUSE COMPLAINT	Field MOLDING			■	X

This module captures and retains the knowledge and intelligence of the associates and continues to guide the team even after the knowledgeable persons have left the organization.

## Inventory Control Module



This module keeps a record of all the inventory items and Item ledgers, stock tracking, Batch details, PWO and AWO opening status, Stores Audit, MIS and MRS and displays any error in the stock. It follows a dynamic system of configuring Reorder Levels.

## Asset Management Module



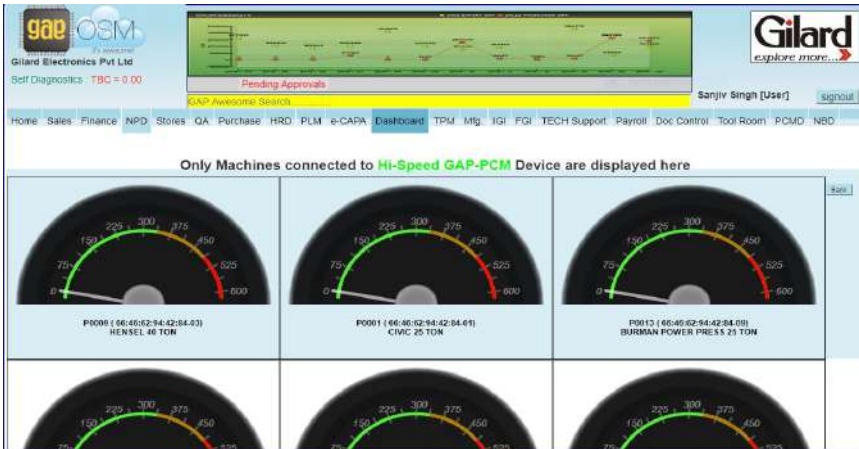
This module manages a list of each and every Asset of the Company. It has a system of coding and printing barcoded labels for each asset. The label can be put on the asset and can be read later to verify the presence of an asset during an audit. It also has provision for removal of an Asset for reasons of transfer to a different department or location.



It also calculates the annual Depreciations based on both IT rules as well as CLB rules. It maintains WDV of each asset and also saves a Picture of each asset.



## Machine Monitor (to monitor On Line speed of Operations)



This module is used for online monitoring of Speed of Machine Operations. This is to verify the Machines are running at the designed and specified speeds. A full record of the same is also maintained and reported.

## Machine Monitor (to monitor On Line Cycle Time)



This module is used for online monitoring of the Running of Machines. It displays the Opening and Closing of each Cycle. It also records the same and reports on Mean, Mode, Maximum and Minimum Cycle times. It also displays a Graph.

LIVE											
S-1004 Moulding Shop 1											
S-1004-01 (M102 ROOM1)	S-1004-02 (M102 PLAS 1)	S-1004-03 (M102 PLAS 2)	S-1004-04 (M102 PLAS 3)	S-1004-05 (M102 PLAS 4)	S-1004-06 (M102 PLAS 5)	S-1004-07 (M102 PLAS 6)	S-1004-08 (M102 PLAS 7)	S-1004-09 (M102 PLAS 8)	S-1004-10 (M102 PLAS 9)	S-1004-11 (M102 PLAS 10)	S-1004-12 (M102 PLAS 11)
1254-30-01	2366-02	2114-0009	2301-01	1264-30-01	2301-30-01	9977-32-01	9977-32-02	1764-30-01	2501	2214-52-05	2301-30-01
No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles
125	860	72	0	152	69	131	130	75	1217	625	83
No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines
2	1	1	1	2	1	2	2	2	2	1	2
No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops
250	860	72	0	304	69	262	260	150	2434	625	166
T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec	T.C.L.C: 30 sec
S-1014 Moulding Shop 1											
S-1014-01 (M104 SPW 2170)	S-1014-02 (M104 SPW 2170)	S-1014-03 (M104 SPW 2170)	S-1014-04 (M104 SPW 2170)	S-1014-05 (M104 SPW 2170)	S-1014-06 (M104 SPW 2170)	S-1014-07 (M104 SPW 2170)	S-1014-08 (M104 SPW 2170)	S-1014-09 (M104 SPW 2170)	S-1014-10 (M104 SPW 2170)	S-1014-11 (M104 SPW 2170)	S-1014-12 (M104 SPW 2170)
0007-42-01	0764-52-05	0764-52-05	0764-52-05	0771-32-11	0771-32-11	0771-32-11	0771-32-11	0771-32-11	0771-32-11	0771-32-11	0771-32-11
No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles	No of cycles
1451	530	3	19	324	477	8	469	19	336	198	0
No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines	No of machines
2	1	4	1	4	2	2	2	1	1	2	1
No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops	No of ops
2902	530	12	19	1296	954	16	938	19	336	396	0
T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec	T.C.L.C: 3 sec

This module displays multiple machines and Processes in Real time. It records the time taken for each cycle and records the production. It also displays the Mode in a graph.

## Visitors Module

S.No	Last Visit Date	Name	Address	Phone Number	Photograph	Edit Profile
1	03-03-2003	Mohit Kumar	chd	9915843000		View/Edit
2	03-12-2018	Aamran	subros	9928003030		View/Edit

This module is used for keeping track of company's visitors traffic. In addition to visitor's pass being created and a corollary functionality of the visitor being exited digitally, a comprehensive log of each of their company visits, along with information such as their host, purpose, date and time of entry and exit etc. are stored for future reference.

## Employee Portal

S.No.	Activity	Frequency	L.D.S	Time per instance	Total time for this month	Score	Action
1	Collecting data & Preparing Presentation for HRD Measurements	Monthly	02	120	120	Not Done	?
2	Update of Notice Boards & their record in HRD documents (EHSAS, SS, EHS Measurements, Kaizens, EMS, Thank-you & Incident Accidents)	Weekly	Friday	240	960	Not Done	?
3	Email Communication for Meeting & Events to Guardians	Weekly	Monday	15	60	Not Done	?
4	Advance Approval to staff as per employee advance policy of Gilard	Weekly	Saturdays	26	80	Not Done	?
5	Mail to Vendors on Environment Protection	Weekly	Monday	16	60	Not Done	?
6	Employee Satisfaction Study	Annual	15 December	120	0	Not Done	?
7	Collection of entries for DI i.e. Arranging pictures of events for Newsletter - ALFAAZ	Quarterly	10 October	45	0	Not Done	?
8	Translate MDS arbaz into hindi - quarterly	Quarterly	07 August	15	15	Not Done	?
9	Putting up thought for the day on notice board	Daily		16	280	Not Done	?
10	Behaviour Competency Study	Annual	20 November	120	0	Not Done	?

Each Employee can Login using his Ecode and password and have access : Company Rules & Policies, His PMS, Apply for Leaves, Check his EL/CI Debits and Credits, Check his Advance Ledger, View his Payslips, Attendance record, register a complaint or participate in suggestion scheme. He can see his training record and send request for further trainings .

## Customer Portal

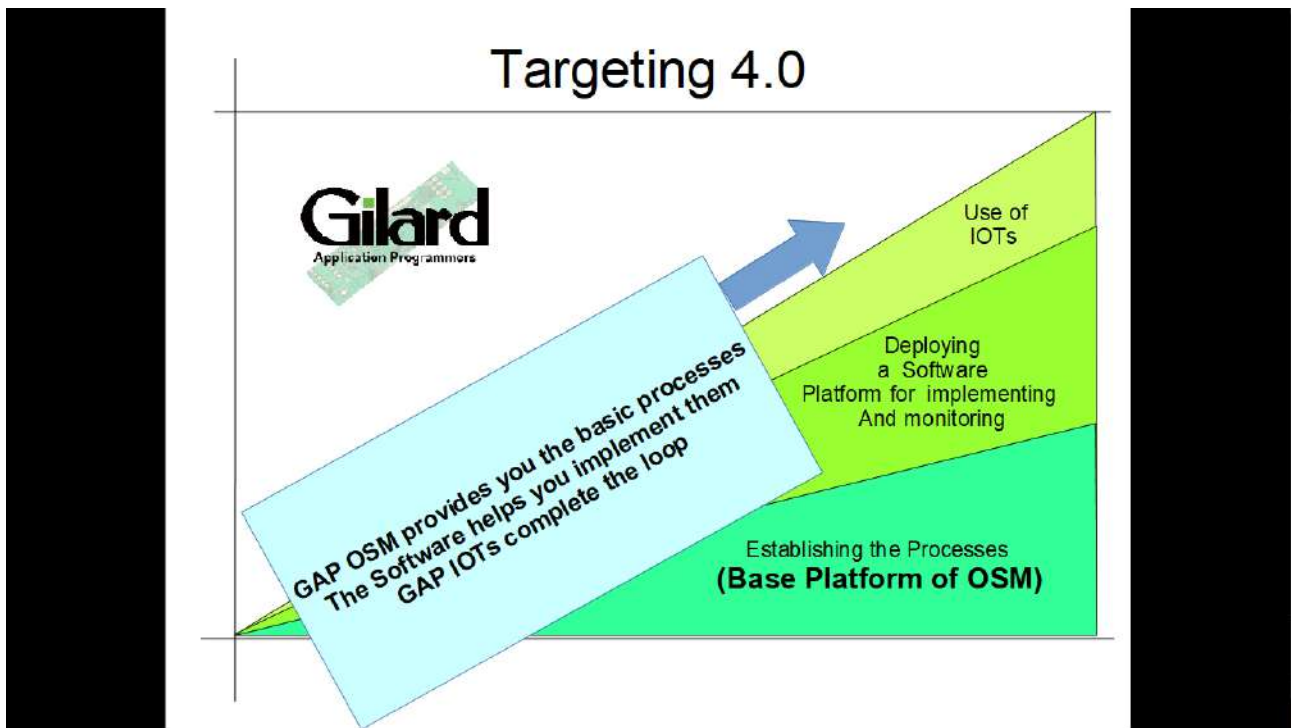
- View Pending order
- View Recent Dispatches
- View Order vs Dispatch Qty
- View Ledger
- View your part no and our equivalent part nos.
- Place an order/ schedule
- View Pending Payments
- View New Product Development
- Form Pending
- Transit Forms

Customers' can Login using his Customer Code and password and have access : View his Pending Orders, View the recent Despatches, View his Accounts ledger, Place an Order or Delivery Schedule, Register or escalate any Complaint.

# Approach to Smart Factory 4.0

We offer Consultancy and Pre-Audit services to assess your current position viz-a-viz preparedness for G.A.P OSM and on to being a Smart Factory 4.0.

It is a paid service, wherein our team shall visit and meet your key persons, walk through your Processes and then submit a report on your preparedness and the road map to being a Smart Factory 4.0





# G.A.P OSM™ offers full solution : Hardware, Software, Sensors and Connectivity.



PCMD with Wi-Fi  
for analog  
and  
digital  
application.

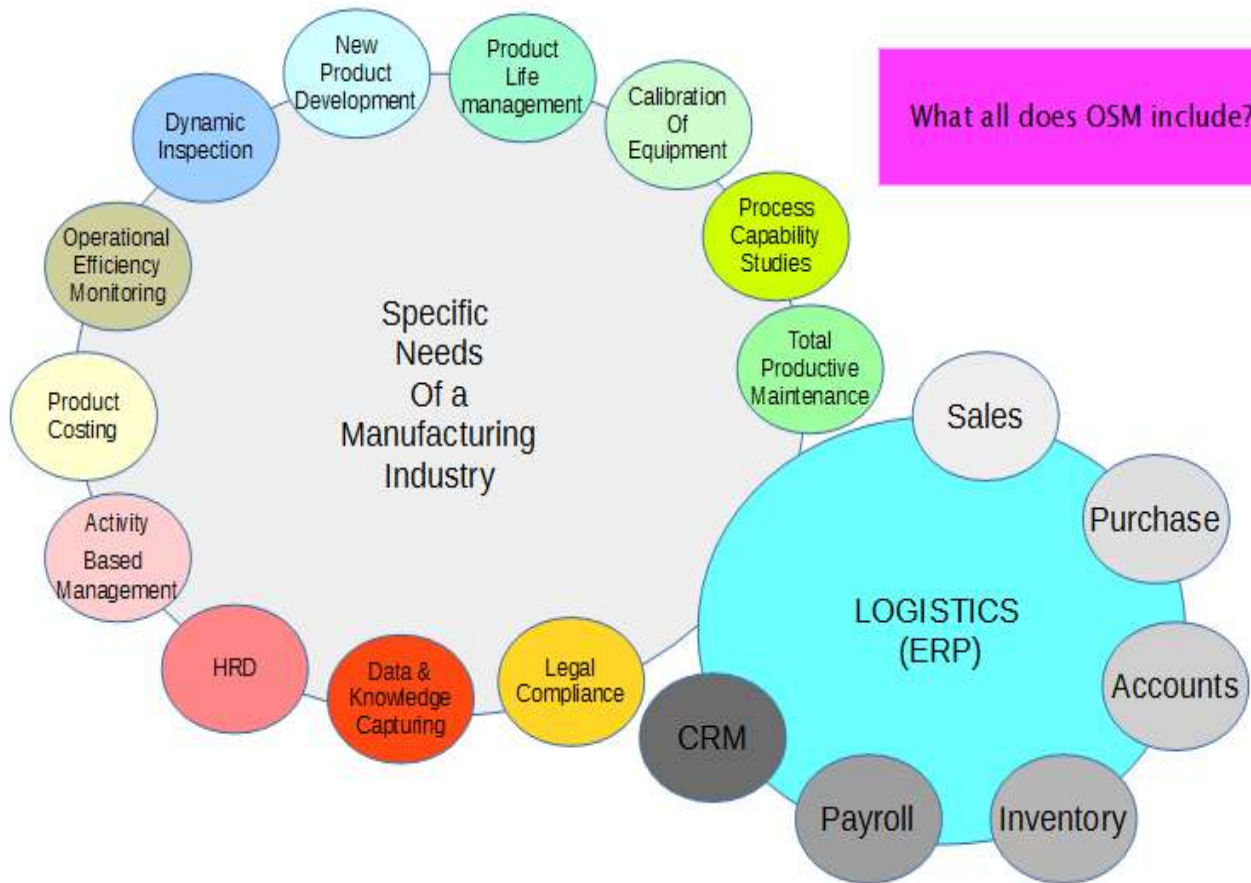


**PCMD : Process Control Monitoring Devices** that can be fitted to any Machine or process and can capture different types of Digital or Analog data and send it over the internet to an integrated software that can store, report, communicate or react.

Examples of data may be : Cycle times, Speed, Temperature, Pressure, Current, Voltage, Resistance, Count, Measurement, Motion, Human movement, light etc.  
Communications can be established thru wired LAN or WiFi.

**Digital – Interactive touch screens** for display at each machine or work station.

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## **Gilard Application Programmers LLP**

C-132, Phase VIII, Industrial Area, Mohali, Punjab, INDIA

www.gapasm.com Email: sanjiv@gapasm.com, sales@gapasm.com

+91-9888111773, +91-9888406405

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