



"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)

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

Sno	Inv.No	Inv.Date	Payments Due 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	106592.39	1,06,992.39
3	2236	18-08-2018	17-09-2018	241895.84	2,41,895.84
4	2338	24-08-2018	23-09-2018	265155.06	2,65,155.06
5	2359	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
				Total	53,90,149.00

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

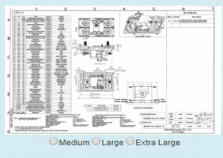


Year	Qty
08-09	0
09-10	0
10-11	0
11-12	0
12-13	1,29,300
13-14	1,29,000
14-15	1,10,550
15-16	1,05,850
16-17	88,350
17-18	1,13,100
18-19	56,400

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

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

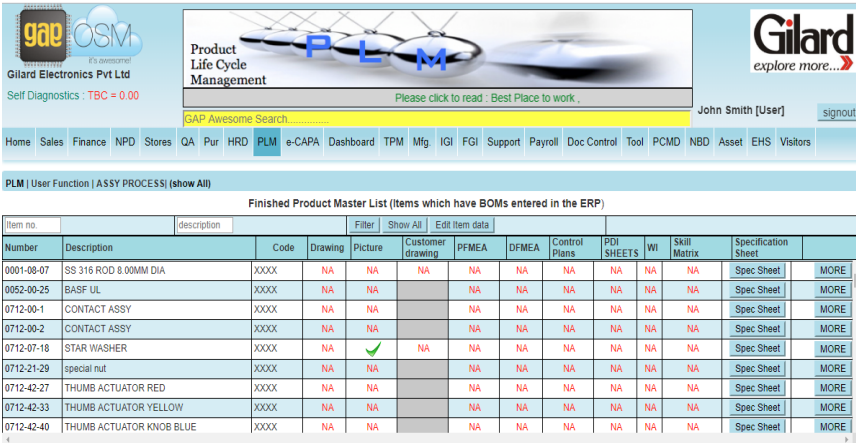
6. Product Wise Tracks the sale of each Product over the years. Helps to understand the Customer profile of the Product users and identifies other customers that have a similar profile.

New Product Development (NPD)

Product Code	2197-2124	Description	Boxed Relay DPST 24 V	Project I/C	E2406(Amkush Dhiman/E2537(Bhupain Jain)
Customer Code	C10087	Customer Name	HELLA INDIA LIGHTING LIMITED	Customer Part No.	
Purpose	Buses for Battery Cut Off				
Target Date	06-04-2018	Sale Cost	Rs.1,000.00	Target Cost:	Rs.700.00
Annual Qty.	18500 Nos	Project Life Expected	5	Annual Revenue	Rs.Lacs 180
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	Assy 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 Module interface for Gilard Electronics Pvt Ltd. It features a navigation menu with options like Home, Sales, Finance, NPD, Stores, QA, Pur, HRD, PLM, e-CAPA, Dashboard, TPM, Mfg, IGI, FGI, Support, Payroll, Doc Control, Tool, PCMD, NBD, Asset, EHS, and Visitors. The main content area displays a 'Finished Product Master List (Items which have BOMs entered in the ERP)' table.

Item no.	description	Code	Drawing	Picture	Customer drawing	PFMEA	DFMEA	Control Plans	PDI SHEETS	WI	Skill Matrix	Specification Sheet	
0001-08-07	SS 316 ROD 8.00MM DIA	XXXX	NA	NA	NA	NA	NA	NA	NA	NA	NA	Spec Sheet	MORE
0052-00-25	BASF UL	XXXX	NA	NA	NA	NA	NA	NA	NA	NA	NA	Spec Sheet	MORE
0712-00-1	CONTACT ASSY	XXXX	NA	NA	NA	NA	NA	NA	NA	NA	NA	Spec Sheet	MORE
0712-00-2	CONTACT ASSY	XXXX	NA	NA	NA	NA	NA	NA	NA	NA	NA	Spec Sheet	MORE
0712-07-18	STAR WASHER	XXXX	NA	✓	NA	NA	NA	NA	NA	NA	NA	Spec Sheet	MORE
0712-21-29	special nut	XXXX	NA	NA	NA	NA	NA	NA	NA	NA	NA	Spec Sheet	MORE
0712-42-27	THUMB ACTUATOR RED	XXXX	NA	NA	NA	NA	NA	NA	NA	NA	NA	Spec Sheet	MORE
0712-42-33	THUMB ACTUATOR YELLOW	XXXX	NA	NA	NA	NA	NA	NA	NA	NA	NA	Spec Sheet	MORE
0712-42-40	THUMB ACTUATOR KNOB BLUE	XXXX	NA	NA	NA	NA	NA	NA	NA	NA	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

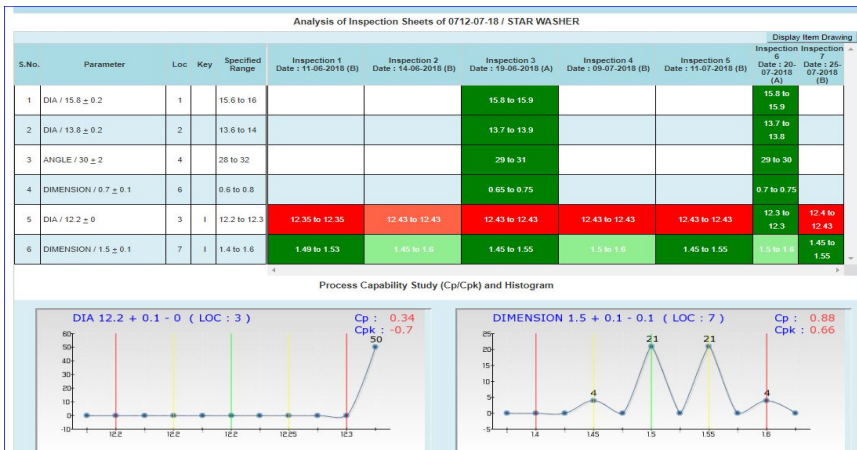
G.A.P-OSM™ then online transfers the responsibility of performing these corrective actions to the departments and persons concerned. Further, the corrective actions, their delegation and monitoring for closure is also done. Final printed out report is also available for record-keeping or submission to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

Quality Assurance (Q.A.)

Gilard		GAGE REPEATABILITY & REPRODUCIBILITY (GR&R)										Date : 27th of August 2019	
Test no : MSA / 64												Day : Tuesday	
Gage Description : EC993 - ELECTRONIC CALIPER												Time : 02:36:07 PM	
												Date : 27-08-2019	
The Gauge RRR is to be done on 10 Parts, 3 Operators and 3 Readings each													
PART													
OPERATOR / TRIAL NO	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	5.30	5.26	5.48			
Operator A / Trial 2	5.33	5.12	5.54	5.42	5.21	5.62	5.45	5.30	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	5.3	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	RA 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	5.30	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	RB BAR	0.01	
Operator C / Trial 1	5.33	5.12	5.54	5.42	5.21	5.62	5.44	5.30	5.27	5.49			
Operator C / Trial 2	5.33	5.12	5.54	5.42	5.21	5.61	5.45	5.30	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	RC 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 Distinct Categories		29.328											
X BAR DIFF	0								0.0327				0
Repeatability-EV (Equipment Variation)			0.05										
Part Variation		1.04				1.04							
Reproducibility-AV (Appraisal Variation)													0.02
UCLX										5.39	LCLX		5.35
UCL											LCL		0
R & R													0.05

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
2185-27-09	CLIP TERMINAL	10000	0.50	5000
785-03	START SWITCH	237	129.00	30573
726-2213	T/S SPDT 10 AMP ON-OFF-ON	20	55.40	1108
713-12B	TOGGLE SWITCH SPDT 4.5 AMP BLACK	40	29.38	1175.2
1385-118G	PB TERMINAL	35	7.10	248.5
726-4223	T/S 20AMP DPDT ON-OFF-ON	28	123.50	3458
726-1213	T/S SPDT 6 AMP ON-OFF-ON	95	48.30	4588.5
1391	TERMINAL B592BLSDR	250	19.50	4875
1385-108G	H79 TERMINAL	18	15.50	279
7187-1174	TERMINAL B592BLSDR	21	15.50	325.5
				Amount: 5167206

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 is a navigation bar with various menu items like Home, Sales, Finance, NPD, Stores, QA, Pur, HRD, PLM, e-CAPA, Dashboard, TPM, Mig, IGI, FGI, Support, Payroll, Doc Control, Tool, PCMD, NBD, Asset, EHS, and Visitors. The main content area is titled "Group Probation Progress Report" and features a table with the following data:

SNo.	Name	Ecode	Dept./Sec.	Image	Probation Start	DOJ	Current Salary	Reporting To	Months	Status	Email Status	Updated Date
1	Meeru Bala	E2624	ASS/TEAM K		✓	16-11-2018	8455	Amandeep Kaur		COMPLETED	Done	02-08-2019
2	Chander Pal	E2634	MCL/GAMMA		✓	01-01-2019	8455	Abhimanyu Mohanta	8	EXTENDED	Done	30-07-2019
3	Amit Kumar	E2635	MCL/BETA		✓	01-01-2019	8455	Abhimanyu Mohanta	7	EXTENDED	Done	31-07-2019

Below the table, there is a legend for the status: Blue for Probation Extended, Green for Probation Completed, and Red for Data Not Available.

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 displays the Payroll module interface. It features a menu with several categories of reports:

- (A) Annual Reports:** Annual Bonus Register, Annual Incentive Report, Annual Statistical Report, EL Encasement (CSV/Print), Employee Wise Summarized Annual Past Salary, Employee Wise Wages, Mandays Worked, Absenteeism & Labour Turnover, Year & Month Wise OT Hours Report.
- (B) Bank Transactions:** Cash Salary, Incentive Report, Current Month Bank Transfer Statement, Directors Salary, E-Payment Salary CSV, NEFT Salary, NEFT Salary CSV.
- (C) ESI / PF Nomination:** Covered Under Group Insurance, EPF Form 10, EPF Form 5, ESI Nomination, PF Nomination.
- (D) Leave Record Information:** Leave Ledger, Sick Leave / Medical Leave Record.
- (E) MIS:** Abition, Grievance & Longevity Report, Designation Report, Employee With 100% Attendance, Manual Intervention Report, Monthly DD, SL, DS & AA Report.
- (F) Monthly Legal:** Department Wise Salary Report, Incentive Report, Month Wise TDS Deduction Report, Paylips, Salary Register, Salary Summary For Current Month.
- (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. It shows a form for "Aspect / Impact Analysis (AIA) for Environmental Issues" and "Hazard Identification and Risk Assessment (HIRA)".

Process Information:

- Process Code: PC0002
- Process Description: Zinc Plating
- Department: PLT / PLATING
- Responsible Person: Surender Sah | E0876
- Activity Name: Electroplating
- Event: Normal

Aspect / Impact Analysis (AIA) for Environmental Issues:

- Aspect: Water discharge (output)
- Description: Select Aspect Description
- Impact: Land pollution, Ground water contamination, Depletion of nature
- Control Measures:
 - Legal program (checked)
 - Treatment facility (checked)
 - Warning sign (checked)
 - Labeling (unchecked)
 - Second Containment (checked)
 - Engineering (checked)
 - Cleaning kit (unchecked)
 - SR (unchecked)
 - Monitoring (checked)
 - Admin (unchecked)
 - Greening program (unchecked)
 - Others (unchecked)
- Severity Index: 5 (Most likely or continuous)
- Risk Index: 1 (Negligible, Very minor injury, wounded, or first aid case)

Hazard Identification and Risk Assessment (HIRA):

- 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
- Measure Description: Use Rubber Gloves, Rubber boots and Goggles

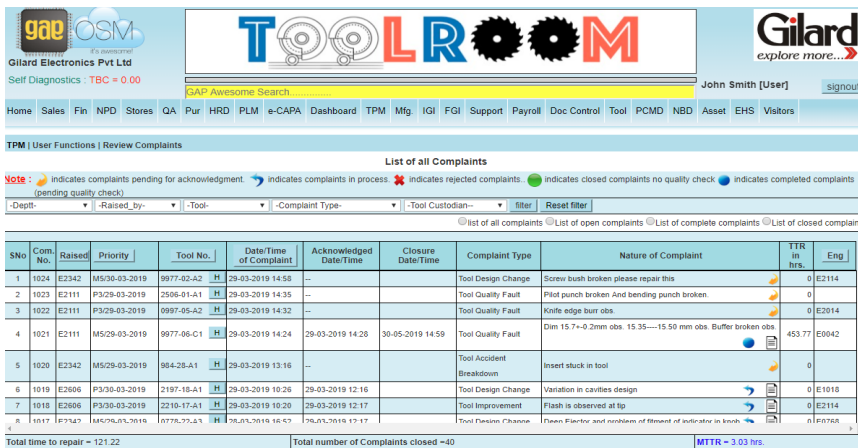
This module identifies all the Processes in the Company. It helps conduct AIA (Aspect Impact Analysis) and HIRA (Hazard Identification and Risk Assessment). It further helps to decide the Counter Measures to make it safer and less hazardous.

Manufacturing Module



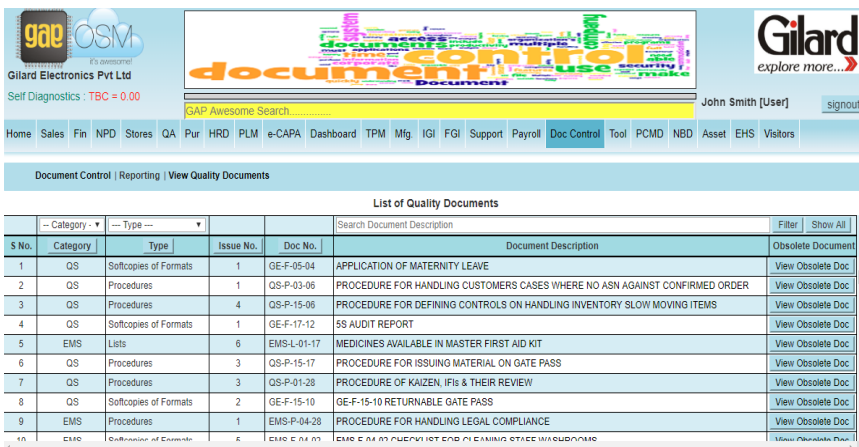
This module takes care of all the manufacturing activities including receiving raw materials and parts, storing them to various Production Shops and Assembly lines to Finished Goods Stores routing them through QA checks wherever required.

Tool Room Module



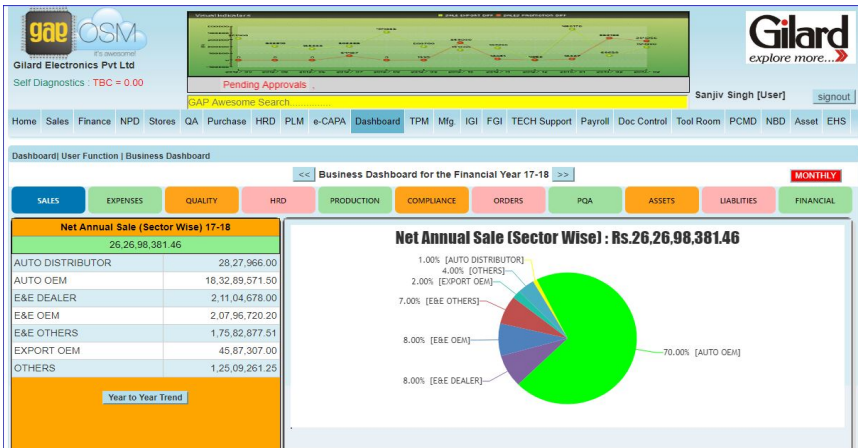
This module is for registering and viewing complaints of Tools for Maintenance. Tool History in terms of Production, Types of Repairs and Preventive Maintenance done, MTTR, MPBF, Repeated nature of Repair done etc. is reported.

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

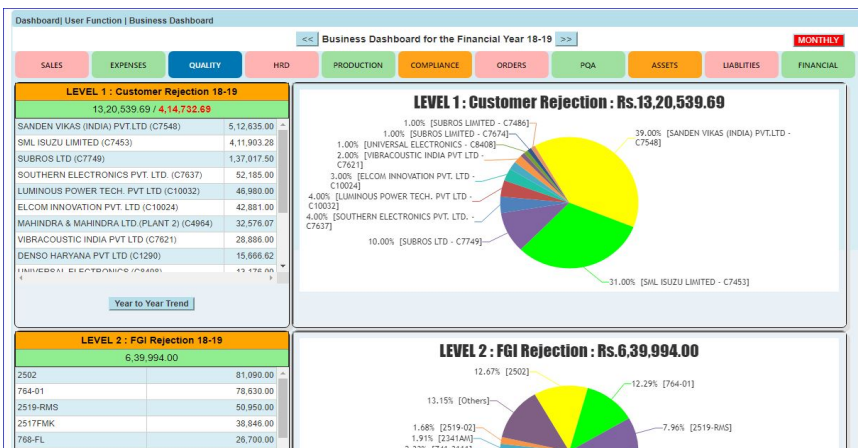


Sales Reports

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

Zoomable down to Micro Level.

Quality Reports

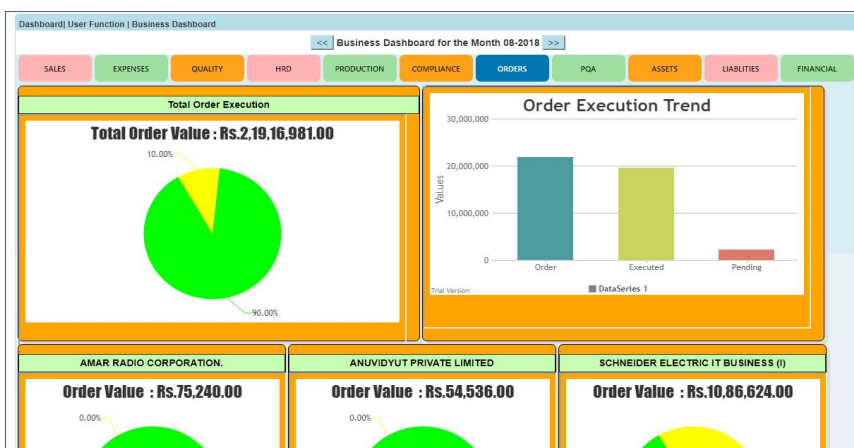


Rejection figures observed at 5 different Levels :

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

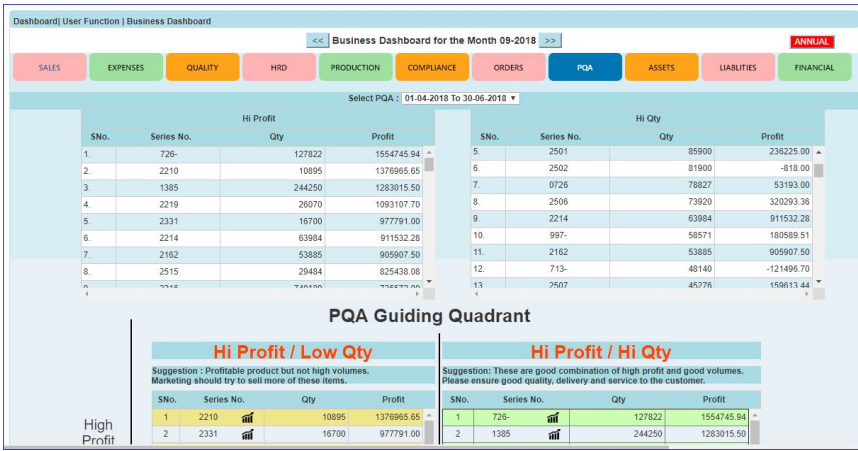


Orders Received vs Orders Execution

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

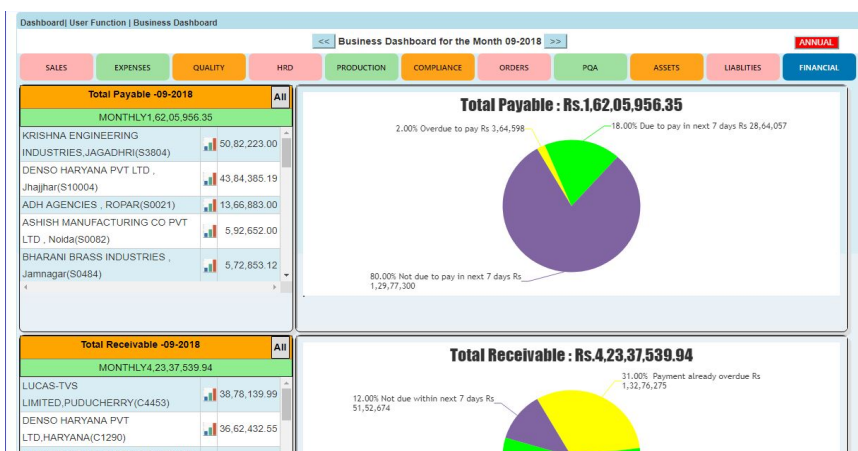
Control on Expenses



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

Human Resources
Please click to read - Best Place to work .

John Smith [User] [signout](#)

Home Sales Finance NPDP Stores QA Pur HRD PLM e-CAPA Dashboard TPM Mfg IGI FGI Support Payroll Doc Control Tool PCMD NBD Asset EHS Visitors

HRD | Reporting | Legal Compliance

Study & Review of Application of Legal Compliance

S No.	Act Name	Applicable
1	Air (prevention and control of pollution) Act, 1981	✓
2	Apprentices Act 1961	✓
3	Bio-Medical Waste Rules 2016	✓
4	Central Motor Vehicle Act and Rules 1988	✓
5	Companies Bill, 2012 on Corporate Social Responsibility	✓
6	CSN of American Power Conversions, Philippines	✓
7	CSR of Delphi, TVS, Taminadu	✓
8	E-Waste (Management and Handling) Rules, 2016	✓
9	Electricity Rules 2005, Electricity Act 2003	✓

Add New Legal Act

Name of Act	Applicable	Action
Enter Act Name	--Select--	Add

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)

TPM
Please click to read - Best Place to work .

John Smith [User] [signout](#)

Home Sales Finance NPDP Stores QA Pur HRD PLM e-CAPA Dashboard TPM Mfg IGI FGI Support Payroll Doc Control Tool PCMD NBD Asset EHS Visitors

TPM | User Functions | Machine List

Machine Master IT Department

Listed Machines: select department

Machine Code / Asset Code	Department	Category	Name	Class	Owner	Sponsor	Trained operators
P0003/	S2411	Production	WHEEL PRESS	Key			Equipment Maint Equipment Maint Equipment Maint Equipment Maint Equipment Maint Equipment Maint Equipment Maint Equipment Maint
PRD-PRS-0053/	S2411	Production	Small Wheel Press No 6	Regular			Review
U0011/	UTL/IT/IE		COST OF NPDP ENGINEER (RS. PER HOUR)	Regular			Review
LT001/	LAB	Production	Life Test (Endurance)	Regular			Review
UTL-MNT-CHAIRS/	S10247	Furniture	ALL CHAIRS OF GILARD	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)

e-CAPA
Please click to read - Best Place to work .

John Smith [User] [signout](#)

Home Sales Finance NPDP Stores QA Pur HRD PLM e-CAPA Dashboard TPM Mfg IGI FGI Support Payroll Doc Control Tool PCMD NBD Asset EHS Visitors

CAPA | Overview of all CAPAs

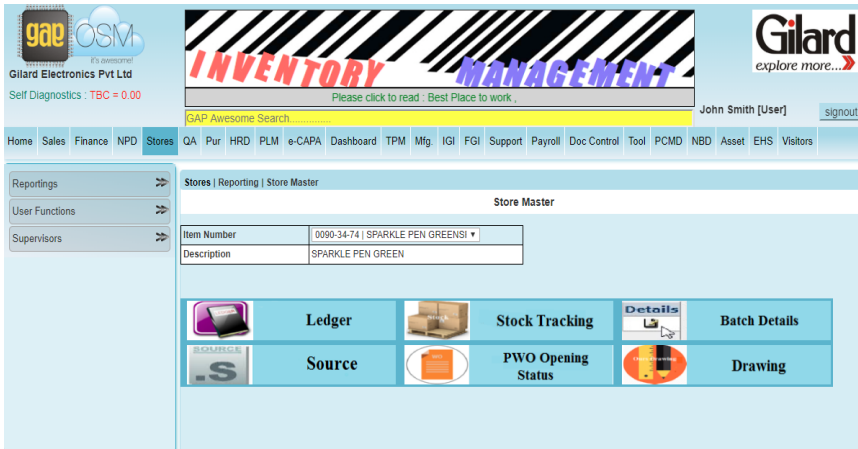
View CAPA's List

CNo.	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	sanjiv	761-04	Mahindra & Mahindra	CUSTOMER COMPLAINT	Hazard Switch			■	X
2	01-12-2014	FIELD COMP	sanjiv	762-04	Mahindra & Mahindra	CUSTOMER COMPLAINT	brake light switch			■	X
3	01-12-2014	PLATING	sanjiv	SYSTEM	TRELLEBORG VIBRACOUSTICS	EXTERNAL AUDIT	PROCESS CONTROL			■	X
4	01-12-2014	PLATING	sanjiv	PROCESS CONTROL	OMS AUDIT TS19649	INTERNAL AUDIT	MONITORING			■	X
8	12-12-2014	Plating	hardip	2507	Lucas TVS	CUSTOMER COMPLAINT				■	X
9	12-12-2014	Plating	hardip	2507	IGI	INHOUSE COMPLAINT	Field MOLDING			■	X

Initiate a new CAPA

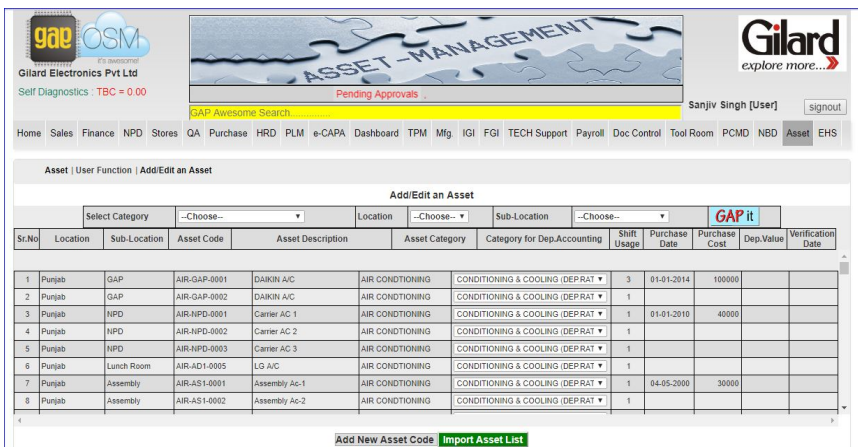
This module captures and retains the knowledge and intelligence of the associates and continues to guide the team even after the knowledgeable persons have left the organization.

Inventory Control Module

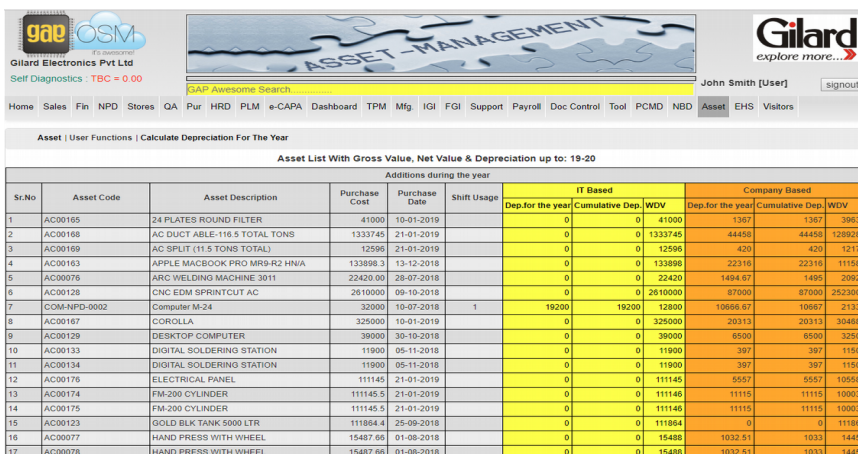


This module keeps a record of all the inventory items and Item ledgers, stock tracking, Batch details, PWO and AWO opening status, Stores Audit, MIS and MRS and displays any error in the stock. It follows a dynamic system of configuring Reorder Levels.

Asset Management Module

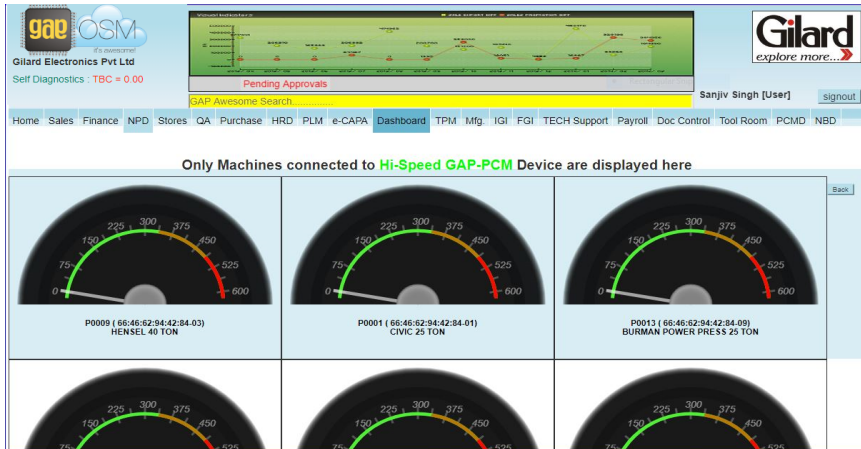


This module manages a list of each and every Asset of the Company. It has a system of coding and printing barcoded labels for each asset. The label can be put on the asset and can be read later to verify the presence of an asset during an audit. It also has provision for removal of an Asset for reasons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



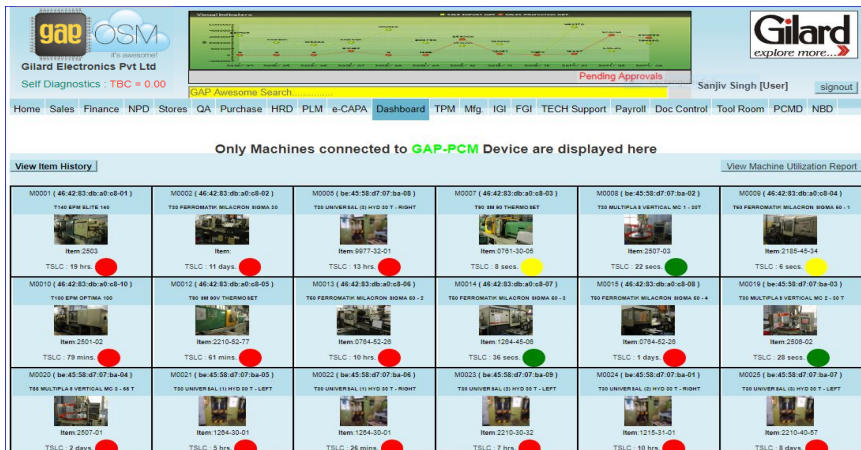
It also calculates the annual Depreciations based on both IT rules as well as CLB rules. It maintains WDV of each asset and also saves a Picture of each asset.

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.

S-1004-Moulding Shop I											
S-1004-01 (HYD 2 RIGHT)	S-1004-02 (MULTIPLA 4)	S-1004-03 (MULTIPLA 3)	S-1004-04 (MULTIPLA 2)	S-1004-05 (HYD 1 LEFT)	S-1004-06 (HYD 1 RIGHT)	S-1004-07 (HYD 3 LEFT)	S-1004-08 (HYD 3 RIGHT)	S-1004-09 (SIGMA 50T-4)	S-1004-10 (SM 150V)	S-1004-11 (SM 150V THERMOPLASTIC)	S-1004-12 (T20 SM 90 INJECTION)
1264-30-01	2506-02	2519-RM5	2507-01	1264-30-01	2331-30-01	9977-32-01	9977-32-02	2152-32-01	2501	2214-52-05	2301-30-01
No of cycles 125	No of cycles 860	No of cycles 72	No of cycles 0	No of cycles 152	No of cycles 69	No of cycles 131	No of cycles 130	No of cycles 75	No of cycles 1217	No of cycles 625	No of cycles 83
No of pos. 2	No of pos. 1	No of pos. 1	No of pos. 1	No of pos. 2	No of pos. 1	No of pos. 2	No of pos. 2	No of pos. 2	No of pos. 2	No of pos. 1	No of pos. 2
TSLC: 38 secs	TSLC: 860	TSLC: 72	TSLC: 0	TSLC: 304	TSLC: 69	TSLC: 262	TSLC: 260	TSLC: 150	TSLC: 2434	TSLC: 625	TSLC: 166
S-1011-Moulding Shop II											
S-1011-01 (T140 EPM ELITE 140)	S-1011-02 (SIGMA 30 T)	S-1011-03 (SM 90 THERMOSET)	S-1011-04 (SIGMA 50T-4)	S-1011-05 (SM 90 THERMOSET)	S-1011-06 (SIGMA 50T-4)	S-1011-07 (SIGMA 50T-4)	S-1011-08 (SIGMA 50T-4)	S-1011-09 (SM 90V INJECTION)	S-1011-10 (EPM OPTIMA 100T)	S-1011-11 (VER NU DOUBLE SLICE 3)	S-1011-12 (VER NU DOUBLE SLICE 3)
0997-42-01	0764-52-28	0764-39-35	2210-52-15	0771-32-11	9957-52-02	2210-40-75	2210-40-48	2210-52-40	2507-02	0771-42-10	2214-52-10
No of cycles 1451	No of cycles 530	No of cycles 3	No of cycles 19	No of cycles 324	No of cycles 477	No of cycles 8	No of cycles 469	No of cycles 19	No of cycles 336	No of cycles 198	No of cycles 0
No of pos. 2	No of pos. 1	No of pos. 4	No of pos. 1	No of pos. 4	No of pos. 2	No of pos. 2	No of pos. 2	No of pos. 1	No of pos. 1	No of pos. 2	No of pos. 1
TSLC: 8 secs	TSLC: 530	TSLC: 12	TSLC: 19	TSLC: 1296	TSLC: 954	TSLC: 16	TSLC: 938	TSLC: 19	TSLC: 336	TSLC: 396	TSLC: 0

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

The screenshot shows the 'Visitors Module' interface. At the top, there is a 'WELCOME' banner and a navigation menu with options like Home, Sales, Finance, NPD, Stores, QA, Pur, HRD, PLM, e-CAPA, Dashboard, TPM, Mfg, IGI, FGI, Support, Payroll, Doc Control, Tool, PCMD, NBD, Asset, EHS, and Visitors. Below the menu, there is a 'Select Date' dropdown set to '27-08-2019' and radio buttons for 'Departed Visitors', 'Visitors on premises', and 'All Visitors'. The main content area displays a table of visitors for the selected date.

S.No.	Photo	Date	Name	Address	ID Proof	Host	Deptt	Purpose	In-Time	Out-Time	Meeting Room	Materials	Status
15		27-08-2019	Aman 9781860586	jain stationery,mohali.	CH01 20190001815		ISO	material drop	4:22 pm	4:33 pm	Gilard Campus		■
14		27-08-2019	Inderjit Singh 9888857959	g.s. air conditioner sec-70 mohali.		Mr. Haminder Kumar [Ecode E2013]	MNT	AC repairing	2:54 pm	4:36 pm	Gilard Campus		■
13		27-08-2019	Gurpreet Singh 9915184314	g.s. air conditioner sec-70		Mr. Haminder Kumar [Ecode E2013]	MNT	AC repairing	2:52 pm	4:36 pm	Gilard Campus	tool kit+Fan	■

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

The screenshot shows the 'Employee Portal' interface. It features a 'Welcome' message for 'Gagandeep Kaur (E0013)'. Below this, there is a table titled 'Processes & Activities' showing time allocation for various tasks. At the bottom, there is a performance summary for the month of August 2019.

Sr.No.	Main Para	Sub Para	Measurable	Unit	Desired Trend	Target	Achieved in Aug 2019	Score
Total							0	Percentage 0%

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

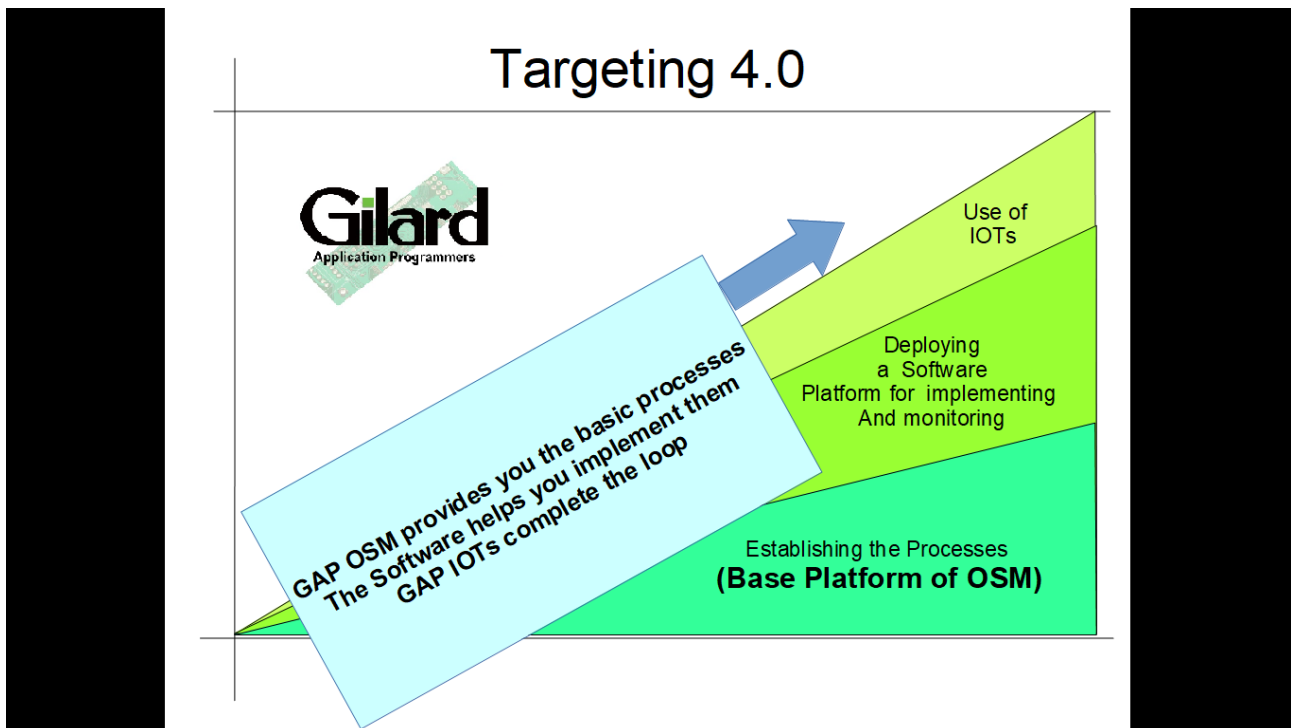
The screenshot shows the 'Customer Portal' interface. It features a 'CUSTOMER LOGIN' banner and a navigation menu with options like View Pending order, View Recent Dispatches, View Ledger, View your part no and our equivalent part nos, Place an order / schedule, View Pending Payments, C Form Pending, Transit Forms, Login complaint / Suggestion, Contact us, and Change Password. The main content area displays a large image of two hands shaking.

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.

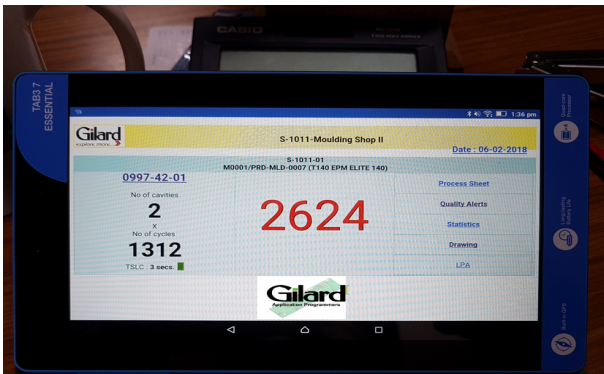
It is a paid service, wherein our team shall visit and meet your key persons, walk through your Processes and then submit a report on your preparedness and the road map to being a Smart Factory 4.0



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



PCMD with Wi-Fi
for analog
and
digital
application.

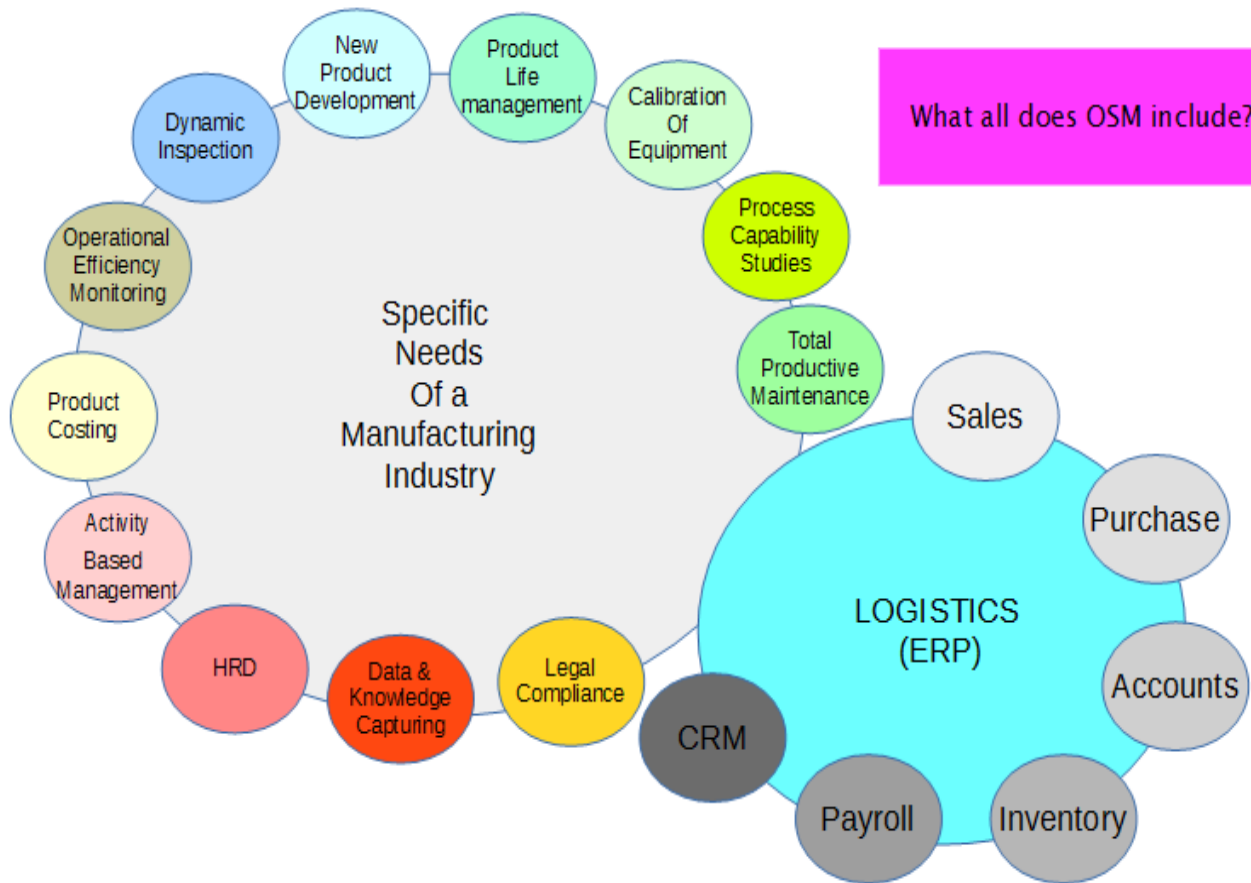


PCMD : Process Control Monitoring Devices that can be fitted to any Machine or process and can capture different types of Digital or Analog data and send it over the internet to an integrated software that can store, report, communicate or react.

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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