



"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

GAP 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.

GAP 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 much more extensive than an 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.

GAP 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 using any device (PC, Laptop, Tablet or Smart Phone). It has configurable security setup for ensuring data safety.

The various modules that are included in GAP OSM are shown below:

Sales Module

This module is integrated with manufacturing and accounting. While 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 can also view the 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 and 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.

New Product Development (NPD)

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.

"Clarity" brings along collateral benefits

Stores 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.

Quality Assurance (Q.A.)

Group/S.No.	1	2	3	4	5	6	7	8	9	10	MAX	MIN	XBAR	R	XXBAR	RBAR
1	25.12	25.15	25.12	25.09	25	25.11	25.15	25.15	25.15	25.07	0	0	0	0	0	0
2	25.18	25.15	25.12	25.11	25.10	25.06	25.12	25.13	25.14	25.15	0	0	0	0	0	0
3	25.1	25.09	25.13	25.15	25.1	25.12	25.15	25.12	25.18	25.17	0	0	0	0	0	0
4	25.16	25.17	25.14	25.17	25.17	25.15	25.14	25.1	25.12	25.12	0	0	0	0	0	0
5	25.07	25.14	25.14	25.04	25.14	25.16	25.17	25.1	25.11	25.11	0	0	0	0	0	0

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-Conforming Materials.

Purchase Module

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

Clarity creates SIMPLICITY

HRD Module

HRD | User Function | Probation Record

Group Probation Progress Report

Progression summary of employees who are on Probation period. Display only completed probations

S.No.	Name	E-Code	Dept./Sec.	Image	Probation Sheet	DOJ	Current Salary	Reporting To	Months	Status	Email Status
1	Nitesh Kumar Kharwar	E2127	MLD/Gamma		✓	19-05-2016	7460 Sankush Verma			EXTENDED	Done
2	Dharam Pal	E2130	MLD/Gamma		✓	19-05-2016	7460 Sankush Verma		7	CONTINUE	Done
3	Vishal Kumar	E2136	MLD/Alpha		✓	23-05-2016	7460 Sankush Verma		7	EXTENDED	Done

NOTE:
■ Probation Extended
■ Probation Completed
■ 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.

PLM Module

PLM | User Function | ASSY PROCESS (show All)

Finished Product Master List (Items which have BOMs entered in the ERP)

Item no.	Description	Code	Drawing	Picture	Customer drawing	PFMEA	DFMEA	Control Plans	PDI SHEETS	WI	Specification Sheet
0052-00-25	BASF UL	XXXX	✓(1)	✓		NA	NA	NA	NA	NA	Spec Sheet MORE
0712-07-18	STAR WASHER	XXXX	✓(1)	NA	NA	NA	NA	NA	NA	NA	Spec Sheet MORE
0712-21-29	special nut	XXXX	✓(1)	✓		NA	NA	NA	NA	NA	Spec Sheet MORE
0713-21-12	HEXA NUT	XXXX	✓(1)	NA		NA	NA	✓	NA	NA	Spec Sheet MORE
0726-00-1	NUT WITH RUBBER CAP	XXXX	✓(1)	NA	NA	NA	NA	NA	NA	NA	Spec Sheet MORE
0726-07-46	TIS LOCK WASHER M12	XXXX	✓(1)	NA	NA	NA	NA	NA	NA	NA	Spec Sheet MORE
0726-21-02	TIS BUSH	XXXX	✓(1)	NA	NA	NA	NA	NA	NA	NA	Spec Sheet MORE
0728-00-1	MIS WITH BRACKET+BUSH ASSY	XXXX	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.

e- CAPA (Knowledge capturing and retention)

e-CAPA | Overview of all CAPAs

View CAPA's List

C.No.	Date	Area of NC	Initiator	For Item	NC observed by	Type of CAPA	Description	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

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.

Dashboard Module



This module views the KRA/ PMS, Departmental reports and does PQA analysis, Configure graphs and shows Profit and Loss statement of the business.

Total Preventive Maintenance (TPM)

Machine Code / Asset Code	Department	Category	Name	Owner	Sponsor	Trained operators
000-0	52423	Production	OPERATOR/ASSEMBLER			Review Edit Prevent Schd Spares
A00010	52423	Production	ASSEMBLY LINE OPERATOR			Review Edit Prevent Schd Spares
A0002PRDAS3-0059	52423	Production	PU.POTTING MACHINE			Review Edit Prevent Schd Spares
A00030	52423	Production	SOLDERING STATION			Review Edit Prevent Schd Spares
A00040	52423	Production	HEAT SHRINKAGE			Review Edit Prevent Schd Spares
A0005PRDAS1-0001	52423	Production	MORLOCK PRINTING MIC-1	Rekha rani	Manju Kumari	Review Edit Prevent Schd Spares
A0006PRDAS1-0004	52423	Production	WIRECUT MACHINE-1			Review Edit Prevent Schd Spares
A0007PRDAS1-0003	52423	Production	DOMINO PRINTING	Shantib Kumari	Haninder kaur	Review Edit Prevent Schd Spares

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.

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.

IGI (Incoming Goods Inspection)

This module views inspection sheet, DJIS, DPIS, ICRR, and shows all Item Master. Here also you can view Items pending for Re-inspection and Rejection Report of vendor supplies.

FGI (Final Goods Inspection)

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

Tech Support Module

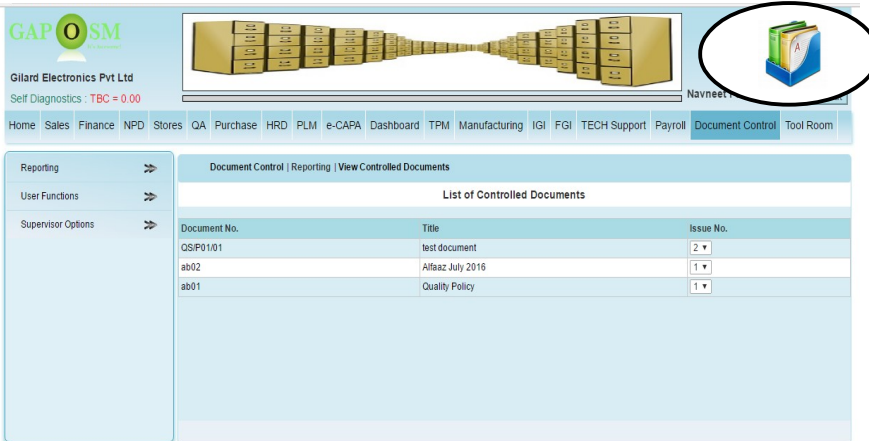
This module is used for Tech support where all complaints and tickets can be viewed and diagnosed.

Payroll Module



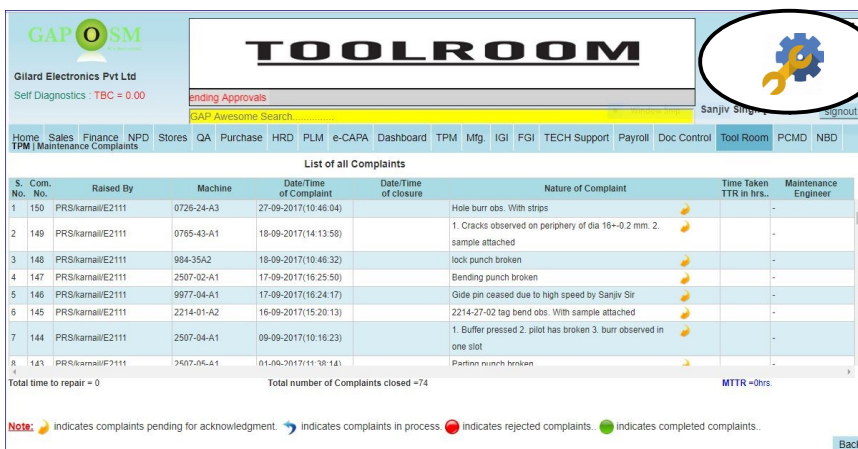
This module prepare Monthly Payroll, Maintenance of ESI, PF, Bonus, Salary, Incentive, Auto-generated Employees Pay-slips, Auto generated Employees wage register, ledger for Casual and Earned Leaves, individual career progression reports for Employees.

Document Control Module



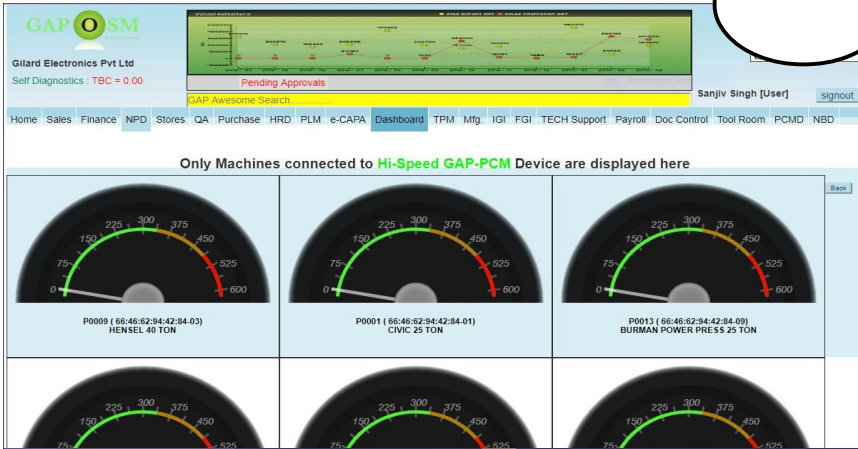
This module is used for online control of documents for online access to the users. All quality documents like quality manual, Quality Plans, Procedures, Work Instructions and any other controlled documents can be viewed and saved here.

Tool Room Module



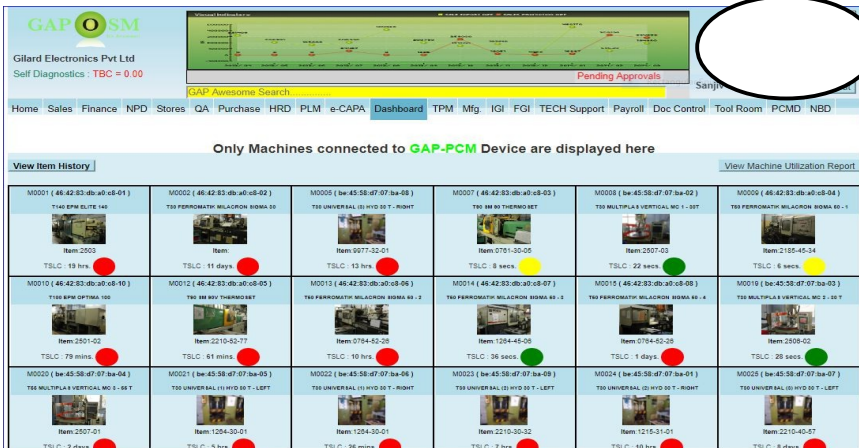
This module is for registering and viewing complaints of Tools for Maintenance. Tool History in terms of Production, Types of Repairs and Preventive Maintenance done , MTR, MPBF, Repeated nature of Repair done etc. Is reported.

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 if 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 I											
S-1004-01 (HYD 2 RIGHT)	S-1004-02 (MULTIPLAS 1)	S-1004-03 (MULTIPLAS 2)	S-1004-04 (MULTIPLAS 3)	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 (THERMOSET)	S-1004-10 (SM 100V)	S-1011-01 (T140 SPIN ELITE 140)	S-1011-02 (SOGMA 30 T)
1254-30-01	2506-02	2510-RMS	2507-01	1254-30-01	2331-30-01	9977-32-01	9977-32-02	2162-32-01	2501	2214-52-05	2301-32-01
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 cavities: 2	No of cavities: 1	No of cavities: 1	No of cavities: 1	No of cavities: 2	No of cavities: 1	No of cavities: 2	No of cavities: 2	No of cavities: 2	No of cavities: 2	No of cavities: 1	No of cavities: 2
No of pos: 250	No of pos: 860	No of pos: 72	No of pos: 0	No of pos: 304	No of pos: 69	No of pos: 262	No of pos: 260	No of pos: 150	No of pos: 2434	No of pos: 625	No of pos: 166
TSLC: 10 secs	TSLC: 10 secs	TSLC: 10 secs	TSLC: 10 secs	TSLC: 10 secs	TSLC: 329 secs	TSLC: 70 mins	TSLC: 70 mins	TSLC: 7 secs	TSLC: 7 secs	TSLC: 48 mins	TSLC: 155 secs
S-1011 Moulding Shop II											
S-1011-01 (T140 SPIN ELITE 140)	S-1011-02 (SOGMA 30 T)	S-1011-03 (THERMOSET)	S-1011-04 (THERMOSET)	S-1011-05 (SOGMA 30 T)	S-1011-06 (SOGMA 30 T)	S-1011-07 (SOGMA 30 T)	S-1011-08 (SOGMA 30 T)	S-1011-09 (SOGMA 30 T)	S-1011-10 (SOGMA 30 T)	S-1011-11 (VER IN DOUBLE SLIDE 3)	S-1011-12 (VER IN DOUBLE SLIDE 3)
0997-42-01	0764-52-26	0764-39-35	2210-52-15	0771-32-11	9957-52-02	2210-40-75	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 cavities: 2	No of cavities: 1	No of cavities: 4	No of cavities: 1	No of cavities: 4	No of cavities: 2	No of cavities: 2	No of cavities: 2	No of cavities: 1	No of cavities: 1	No of cavities: 2	No of cavities: 1
No of pos: 2902	No of pos: 530	No of pos: 12	No of pos: 19	No of pos: 1296	No of pos: 954	No of pos: 16	No of pos: 938	No of pos: 19	No of pos: 336	No of pos: 396	No of pos: 0
TSLC: 8 secs	TSLC: 38 secs	TSLC: 38 secs	TSLC: 48 mins	TSLC: 11 secs	TSLC: 240 mins	TSLC: 240 mins	TSLC: 4 secs	TSLC: 5 mins	TSLC: 5 mins	TSLC: 3 secs	TSLC: 5 days

This module displays multiple machines and Processes in Real time.

Employee Portal

Time Allocation For All Activity		In Min	Tot Min. For This Month	Weightage	Action		
Process 1 : CSR Activities		4010	12000	0			
Sr.No.	Activity	Frequency	LDS	Time per instance	Total time for this month	Score	
1.	Coordinating work of Walkathon	Annual	21 January	540	0	Not Done	?
2.	Attending Job Fairs for PWDs			0	0	Not Done	?
3.	Participation In Environment Play	Monthly	25	60	60	Not Done	✓
4.	Road Safety Training to Gilardians		25	0	0	Not Done	?
Process 2 : Employee Motivation							
5.	Health Sessions for Gilardians	Monthly	06	60	60	Not Done	?
6.	Parivartan Meeting	Weekly	Tuesday	45	180	Not Done	?
7.	Displaying Thoughts Daily in ERP Home Page for Gilardians	Daily		10	250	Not Done	?
8.	Collection of entries for Dil se, Arranging pictures of events for Newsletter - ALFAAZ	Quarterly	10 October	45	0	Not Done	?
9.	Working on quarterly Newsletter-Alfaaz	Quarterly	10 November	500	500	Not Done	?
10.	Handling Employee Grievences & Disciplinary actions(Heft...			30	150	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 also see his training record and send request for further trainings .

Customer Portal

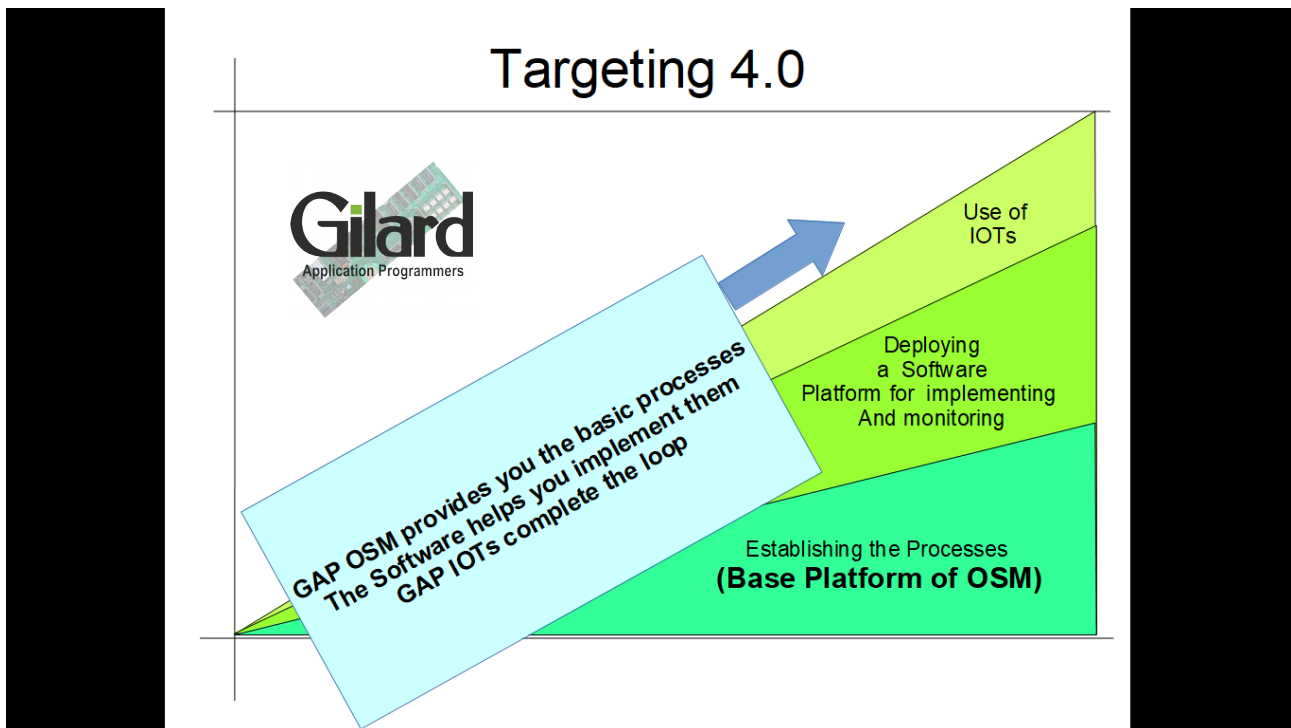
Customers' can Login using his Customer Code and password and have access : View his Pending Orders, View the recent Despatches, View his Accounts ledger, Place an Order or Delivery Schedule, Register or escalate any Complaint.

Supplier Portal

Approach to Smart Factory 4.0

We offer Consultancy and Pre-Audit services to assess your current position viz-a-viz preparedness for GAP OSM and onwards towards Smart Factory 4.0.

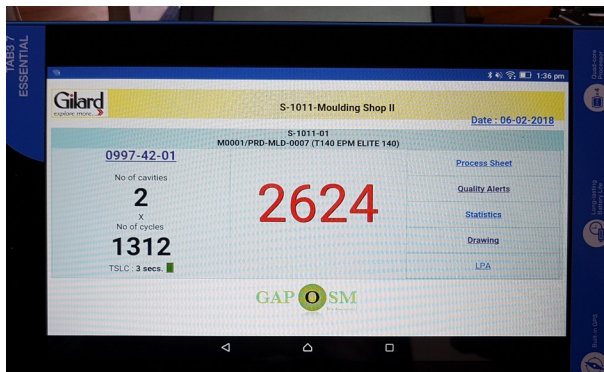
It is a paid service, wherein our team shall visit and meet your key persons, walk thru your Processes and then submit a report on your preparedness and the road map to being a Smart Factory 4.0



GAP OSM offers full solution : Hardware, Software, Sensors and Connectivity.



PCMD with Wi-Fi
for analog
and
digital
application.

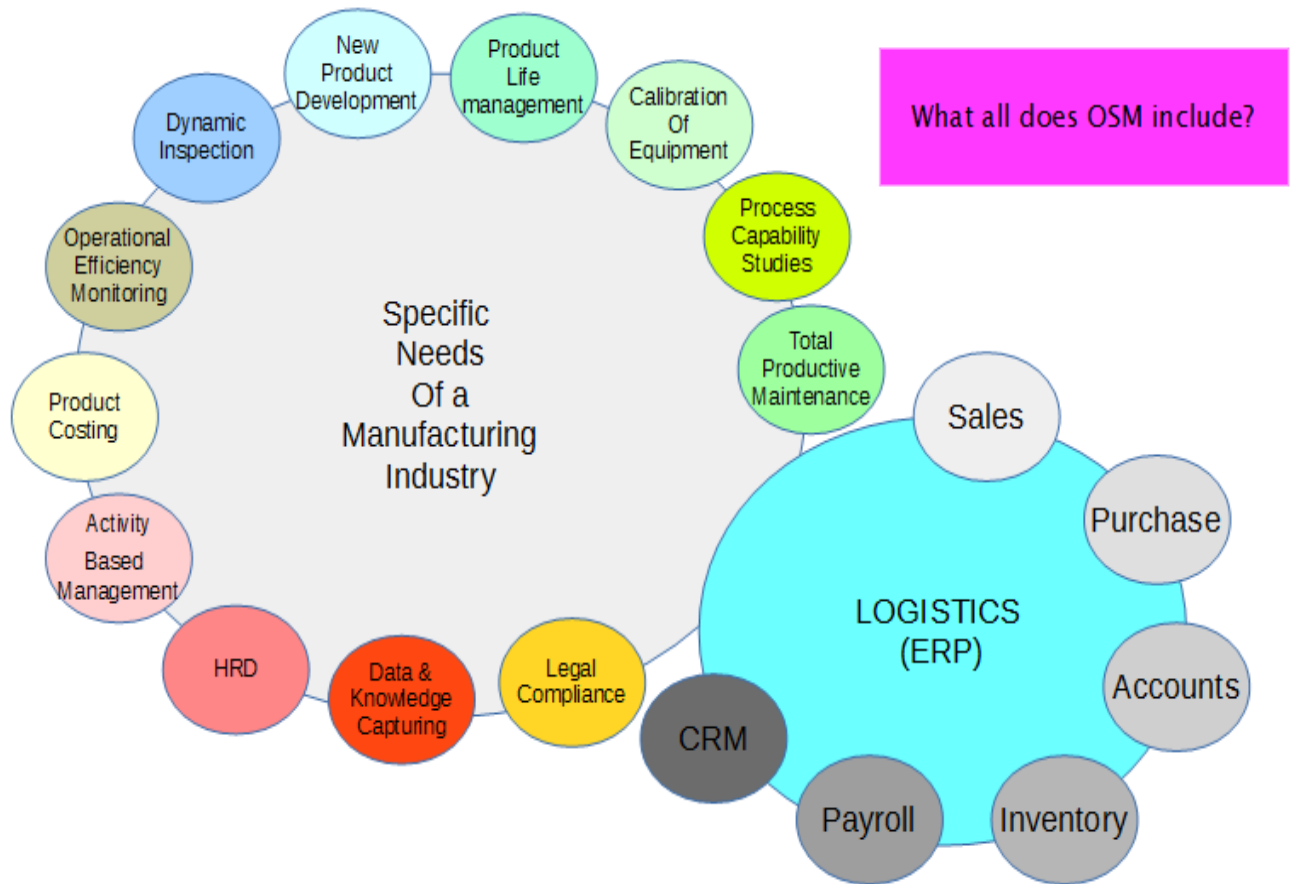


PCMD : Process Control Monitoring Devices that can be fitted to any Machine or process and can capture different types of Digital or Analog data and send it over the internet to an integrated software that can store, report, communicate or react.

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.

GAP-OSM.....its awesome



Gilard Application Programmers LLP

C-132, Phase VIII, Industrial Area, Mohali, Chandigarh, INDIA
www.gapasm.com Email: sanjiv@gapasm.com, sales@gapasm.com
+91-9888111773, +91-9888406405
LLP Identification Number: AAE-8595