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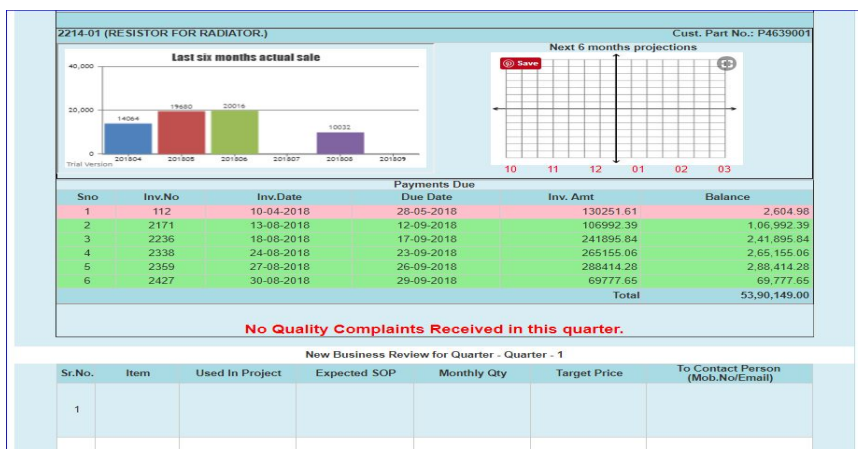
5. Identifies areas of Business Growth:
Customer Wise,
Tracks the sale of each Product to the Customer and displays trends. This helps in deciding the added marketing efforts required.
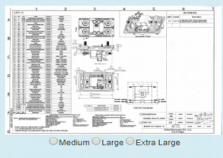
Item Wise Business Review and Growth Plan
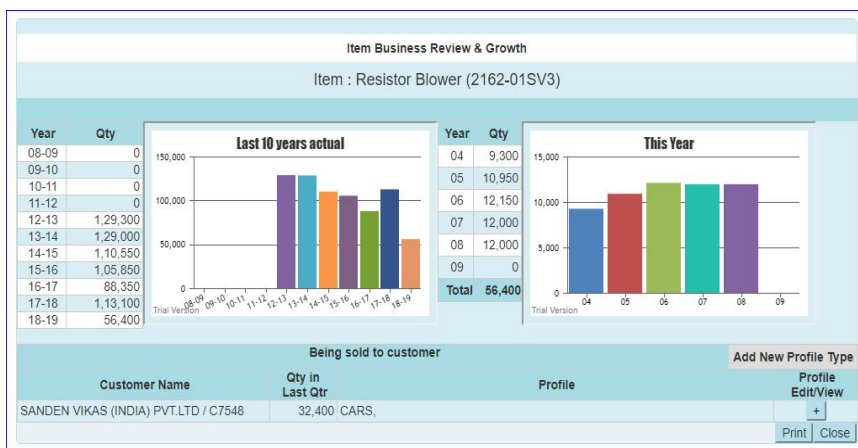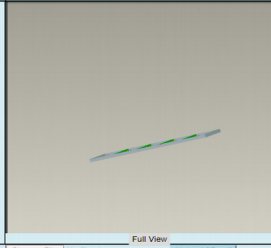

6. Product Wise

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.
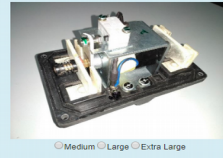
New Product Development (NPD)

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

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.)

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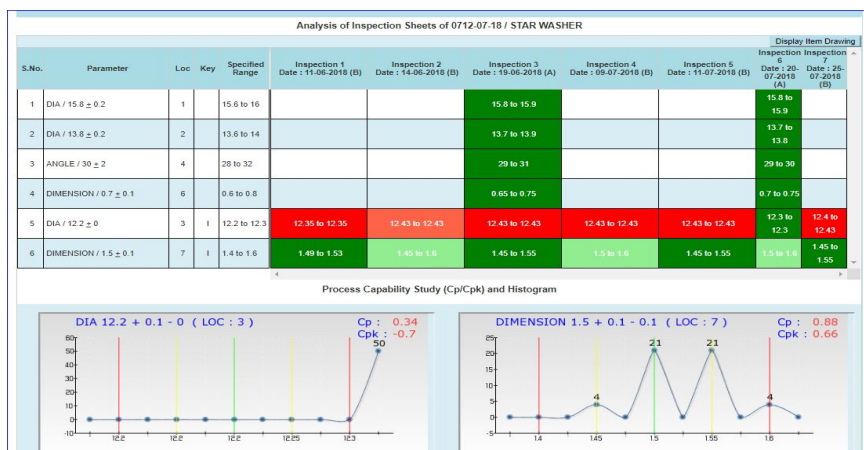
This module views inspection sheet, DJIS, DPIS, ICRR, and shows all Item Master. You can view Items pending for Re-inspection and Rejection Report of vendor supplies.You can also see the cp/cpk of product parameters calculated over different incoming batches.

FGI (Final Goods Inspection)

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

HRD Module

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

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)

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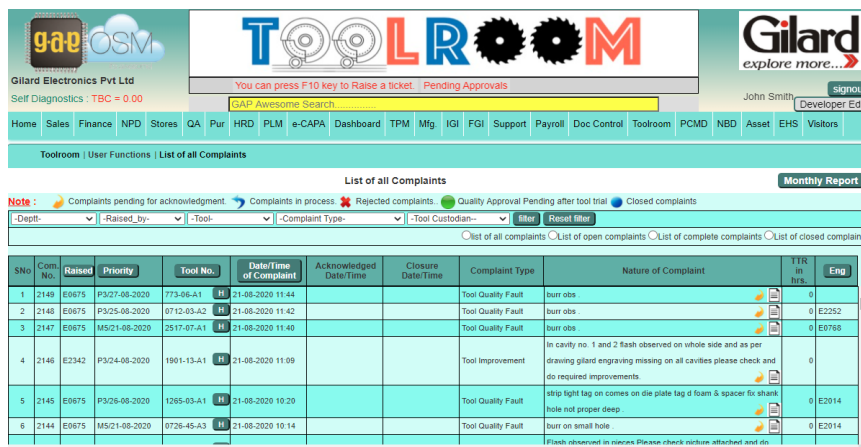
This module is for registering and viewing complaints of Tools for Maintenance. Tool History in terms of Production, Types of Repairs and Preventive Maintenance done , MTTR, MPBF, Repeated nature of Repair done etc. is reported.

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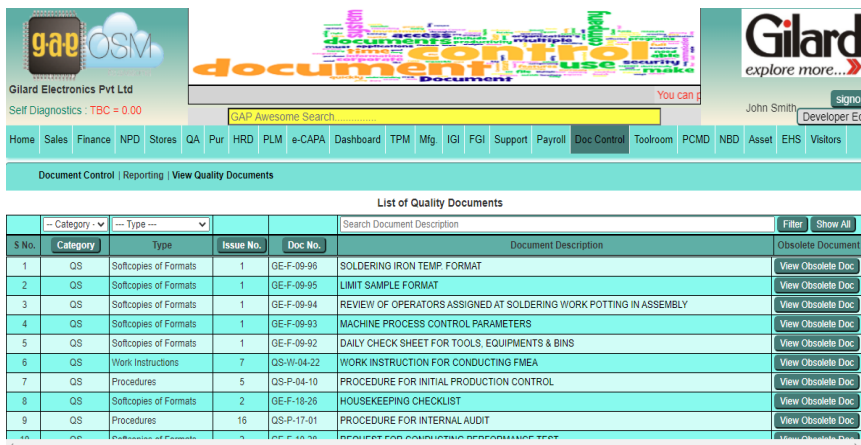
This module is used for online control of documents for online access to the users. All quality documents like quality manual, Quality Plans, Procedures, Work Instructions and any other controlled documents can be viewed and saved here.

Dashboard Module
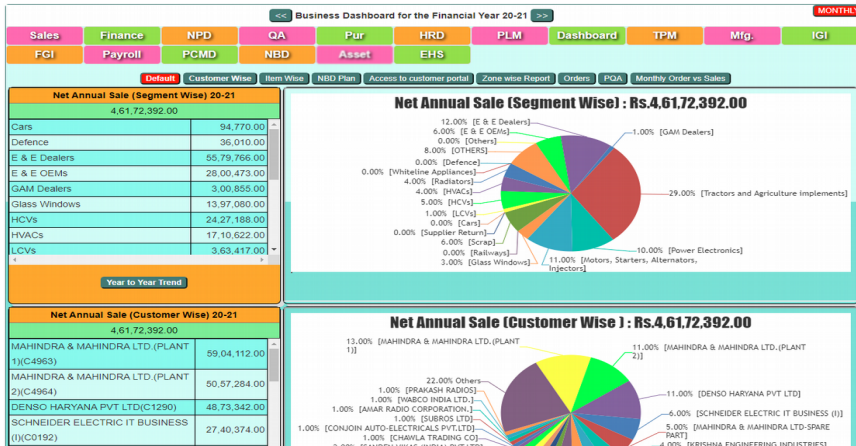
Sales Reports

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

Zoomable down to Micro Level.

Quality Reports
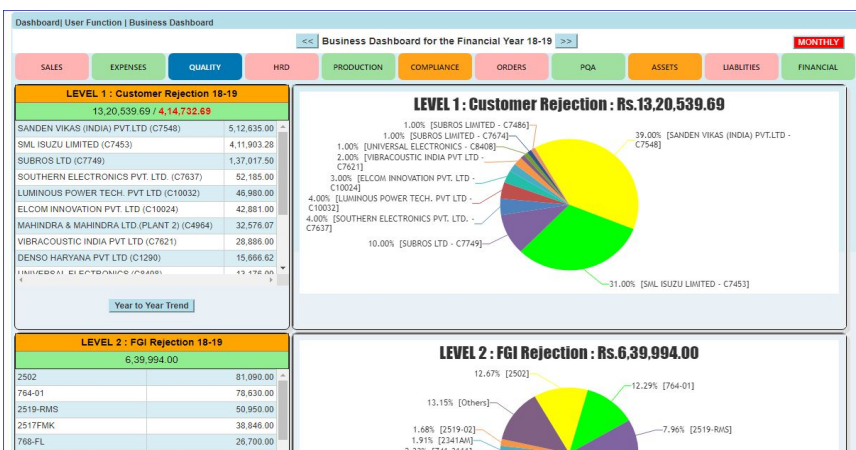
Rejection figures observed at 5 different Levels :
1. Customer Level
2. Pre-Despatch Level
3. Assembly Level
4. Production Shops Level and
5. Incoming Level of Suppliers
Year to Year, Month to Month.Zoomable down to Micro Level.

Orders Received vs Execution
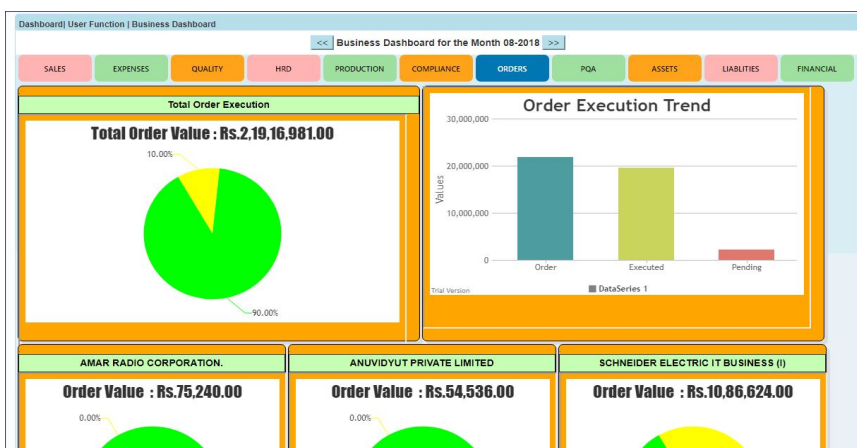
Orders Received vs Orders Execution
1. Customer Wise
   Year to Year and
   Month to Month.

Zoomable down to Micro Level.

Dashboard Module
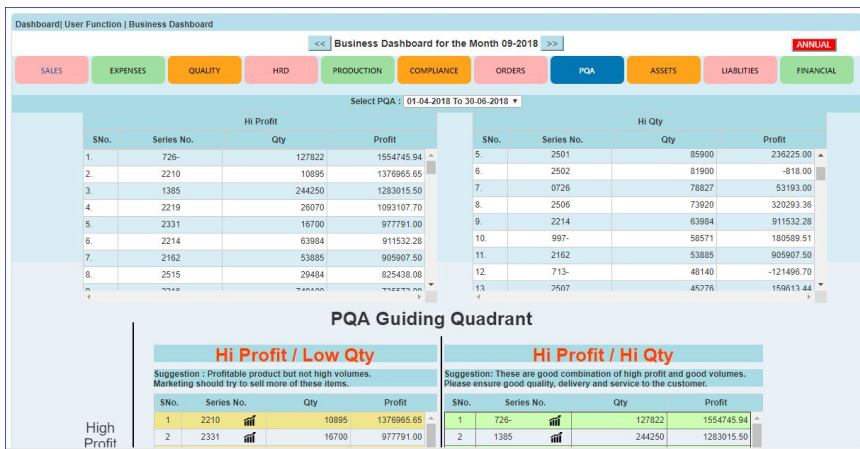
PQA based Study

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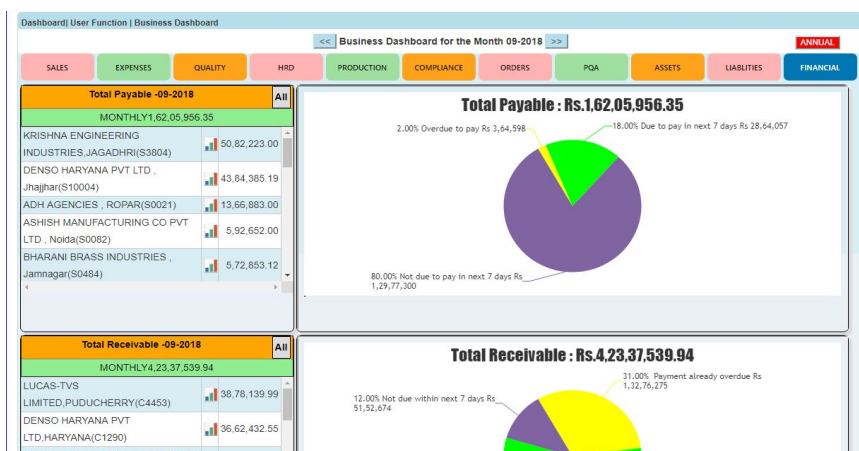
Amount Payable to the Suppliers and Service Providers as well as the Amounts Receivable from our Customers. This also with details of Ageing. The Bank Balances available transaction to transaction as well as at the end of each day are also representated in graphical presentation.

Legal Compliance

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 calender to ensure that all the Compliances are fulfilled.

Total Preventive Maintenance (TPM)

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)

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

Gilard Electronics Pvt Ltd
Self Diagnostics : TBC = 0.00

INVENTORY MANAGEMENT

You can press F10 key to Rais
GAP Awesome Search..............

John Smith
signout
Developer Edit

Gilard explore more...

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 Visitors

Reportings
User Functions
Supervisors

Stores | Reporting | Store Master

Store Master

Item Number: 0090-34-74 | SPARKLE PEN GREENSI ✓
Description: SPARKLE PEN GREEN

Ledger | Stock Tracking | Details | Batch Details
Source | PWO Opening Status | Drawing

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

Gilard Electronics Pvt Ltd
Self Diagnostics : TBC = 0.00

ASSET MANAGEMENT

You can press F10 key to Raise a ticket. Pending Approvals
GAP Awesome Search..............

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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 Visitors

Asset | User Function | Add/Edit an Asset

Add/Edit an Asset

Asset Master

Search Asset Code | Search Asset Description | --Select Category-- | --Location-- | Filter | Show All

Sr.No	Location	Sub Location	Asset Code	Asset Description	Image	Category for Dep. Accounting	Shift Usage	Purchase Date	Purchase Cost	WDV(IT)	WDV(CLB)	Verification Date
1	ACC	ACCOUNTS	AC00131	HP MFD PRINTER		G2112	1	30-10-2018	14700	4116	7350	
2	ACC	ACCOUNTS	AC00132	HP MFD PRINTER		G2112	1	30-10-2018	14700	4116	7350	
3	ACC	ACCOUNTS	AIR-FIN-0001	Hitachi AC		G2108	1					10-08-2018
4	ACC	ACCOUNTS	AIR-FIN-0002	Carrier AC		G2108	1					22-08-2018
5	ACC	ACCOUNTS	COM-FIN-0002	Computer M-65		G2112	1					30-07-2018
6	ACC	ACCOUNTS	COM-FIN-0003	Computer M-63		G2112	1					30-07-2018
7	ACC	ACCOUNTS	COM-FIN-0004	Computer M-20		G2112	1	16-09-2011	7406	0	370.3	30-07-2018

Add New Asset Code Import Asset List

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.

Gilard Electronics Pvt Ltd
Self Diagnostics : TBC = 0.00

ASSET MANAGEMENT

You can press F10 key t
GAP Awesome Search..............

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signout
Developer Edit

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 Visitors

Asset | User Functions | Calculate Depreciation For The Year

Asset List With Gross Value, Net Value & Depreciation up to: 20-21

| Sr.No	Asset Code	Asset Description	Purchase Cost	Purchase Date	Shift Usage	IT Based Dep.for the year	IT Based Cumulative Dep.	IT Based WDV	Company Based Dep.for the year	Company Based Cumulative Dep.	Company Based WDV
1	AC00165	24 PLATES ROUND FILTER	41000	10-01-2019	1	5689	8764	32236	2733.33	4100	36900
2	AC00192	3 PHASE RECTIFIER (TIN TANK)	57000	03-04-2019	1	8550	8550	48450	3800	3800	53200
3	AC00168	AC DUCT ABLE-116.5 TOTAL TONS	1333745	21-01-2019	1	185057	285088	1048657	88916.33	133374	1200371
4	AC00169	AC SPLIT (11.5 TONS TOTAL)	12596	21-01-2019	1	1748	2693	9903	839.73	1260	11336
5	AC00163	APPLE MACBOOK PRO MR9-R2 HN/A	133898.3	13-12-2018	1	56237	96406	37492	44632.77	66949	66949
6	AC00076	ARC WELDING MACHINE 3011	22420.00	28-07-2018	1	2859	6222	16198	1494.67	2989	19430
7	AC00233	BIO-METRIC PUNCHING MACHINE	18000	19-02-2020		0	0	18000	3000	3000	15000
8	AC00221	BROTHER DCP PRINTER CUM SCANNER	8304.24	04-09-2019		0	0	8304	2768.08	2768	5536
9	AC00128	CNC EDM SPRINTCUT AC	2610000	09-10-2013	1	362138	557888	2052112	174000	261000	2349000
10	COM-NPD-0002	Computer M-24	32000	10-07-2018	1	7680	26880	5120	10666.67	21333	10666
11	AC00167	COROLLA	325000	10-01-2019	1	58500	91000	234000	40825	60938	264062
12	AC00193	DC POWER SUPPLY	169500	31-03-2019	1	23518	36231	133269	11300	16950	152550
13	AC00200	DELL LATITUDE 3400 CTO	68745.72	23-04-2019	1	0	0	68746	22915.24	22915	45830
14	AC00129	DESKTOP COMPUTER	39000	30-10-2018	1	16380	28080	10920	13000	19500	19500
15	AC00199	DESKTOP HP.280-13-8100	37000	17-04-2019	1	0	0	37000	12333.33	12333	24667
16	AC00133	DIGITAL SOLDERING STATION	11900	05-11-2018	1	1651	2544	9356	793.33	1190	10710
17	AC00134	DIGITAL SOLDERING STATION	11900	05-11-2018	1	1651	2544	9356	793.33	1190	10710

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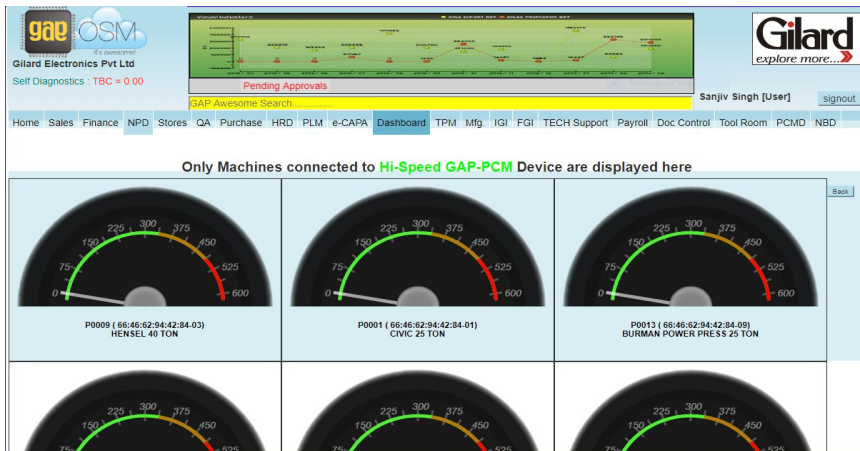
This module is used for online monitoring of Speed of Machine Operations. This is to verify the Machines are running at the designed and specified speeds. A full record of the same is also maintained and reported.

Machine Monitor (to monitor On Line Cycle Time)
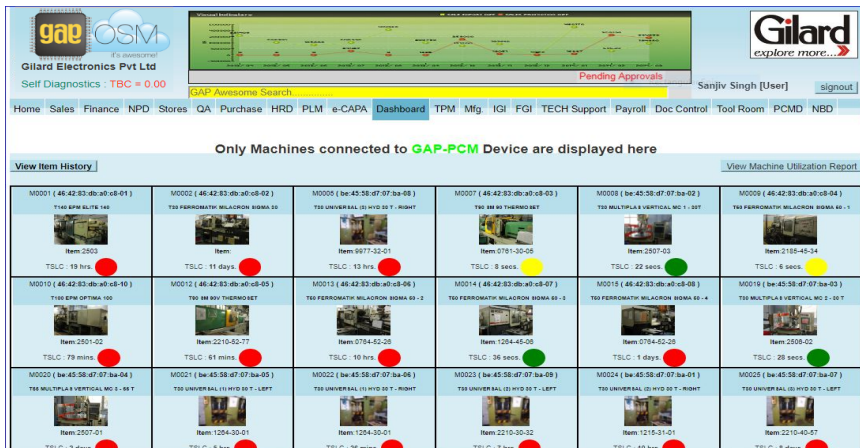
This module is used for online monitoring of the Runnning of Machines. It dispalys the Opening and Closing of each Cycle.It also records the same and reports on Mean, Mode, Maximum and Minimun Cycle times. It also displays a Graph.

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

This module is used for keeping track of comapny'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

Each Employee can Login using his Ecode and password and have access : Company Rules & Policies, His PMS, Apply for Leaves, Check his EL/Cl 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

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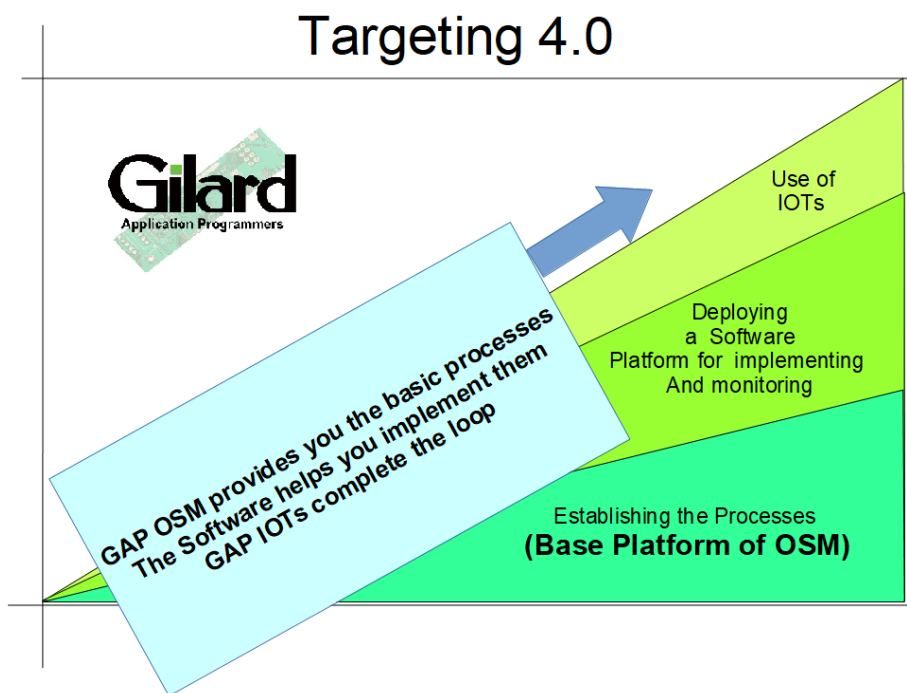
G.A.P OSM™ offers full solution :
Hardware, Software, Sensors and Connectivity.

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.

G.A.P-OSM™… its awesome

Specific Needs Of a Manufacturing Industry (diagram with nodes): New Product Development, Product Life management, Calibration Of Equipment, Dynamic Inspection, Operational Efficiency Monitoring, Product Costing, Activity Based Management, HRD, Data & Knowledge Capturing, Legal Compliance, Process Capability Studies, Total Productive Maintenance

What all does OSM include?

LOGISTICS (ERP): Sales, Purchase, Accounts, Inventory, Payroll, CRM

Gilard
Application Programmers

Gilard Application Programmers LLP

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