"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.

#### 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.

#### PURCHASE MODULE



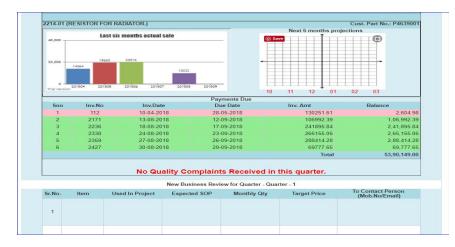
#### **NEW BUSINESS DEVELOPMENT (NBD)**

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IBD   User Fund	tion   Work on P	rojects														
							IDC No. 5									
ustomer :	HELLA INC	DIA LIGHT	TING LIMITED		Contact Per	son: Arun	Mittal			Contact N	0.:	8968149252				
esignation:	Sr.Manage	r Project			Item Name :	Batte	ry Cut Off Swit	ch 200 Am	ps	Part No.:						
				Drawing						Pictu	re					
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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)**

Product Code	2197-2124	Description	Boxed Rel	By DPST 24 V		Project I/C	E2406(Ankush Dhim	an)E2537(Bhupa	in Jain) + -		
Customer Code	C10087	Customer Name	HELLA IN	DIA LIGHTING LIMITE	D	Customer Part No.					
Purpose	Buses for Battery Cut Off										
Target Date	06-04-2018	Sale Cost		Rs.1,000.00	Target C	ost:	Rs.700.00	Tentative C	ost till now	Rs. 600.69	
Annual Qty.	18000 Nos	Project Life Exp	pected	5	Annual I	Revenue	Rs.Lacs 180	Lifetime Re	venue	Rs.Lacs 9	00
Actual Date of S Submission	ample 20180517	Т	arget Date	of Sign Off			Actual Date	of Sign Off	20180405		
	Drawing			3D pd	f File			F	icture		
Choose File No file	Medum O Large O Extra Large		hoose File	Full No file chosen	/iew	ad 30 pdf	Choose File N		arge © Extra Lar		CAME
Part Lis	t Costed	вом	Fund	tions	D	FMEA	Assy Process & Skill	Development	PFC	>	

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**

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Self Diagnos	stics : TBC = 0.00	AP Awes			to Raise a t	ickel. Pen	ung Appro	JVals				John Smith	signou Developer Ed
Home Sale		IRD PLN			board TPM	Mfg. IGI	FGI Su	pport Payro	II Doc Co	ontrol Toolroo	n PCMD	NBD Asset EHS	
PLM   User Fi	unction   ASSY PROCESS  (show All)												
		Finis	hed Pr	oduct Mas	ter List (Ite	ms which	have BON	ls entered i	n the ERI	P)			
	Filter: Item Item no.	Descripti	ion De	scription		Filter	Show All	Edit Item d	ata <mark>Cun</mark>	rently Planned I	terns Cor	nfig groups for Webs	site
Number	Description	Dr	awing	Picture	Customer drawing	PFMEA	DFMEA	Control Plans	PDI	Last Process Audit Date	Skill Matrix	Specification Sheet	
1213-07PP	TERMINAL BLOCK 7 WAY PLAIN PLAIN		<b>(</b> 1)	NA	ununng	NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-07SS	TERMINAL BLOCK 7 WAY SOLDER SOLD	ER	<b>(</b> 1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08PC	TERMINAL BLOCK 8 WAY PC TYPE		<b>(</b> 1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08PL	TERMINAL BLOCK 8 WAYS PLAIN B/F		<b>(</b> 1)	$\checkmark$		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08PP	TERMINAL BLOCK 8 WAYS PLAIN PLAIN		(1)	$\checkmark$		NA	NA	NA	NA	Pending	$\checkmark$	Spec Sheet	MORE
1213-08PS	TERMINAL BLOCK 8 WAYS PLAIN SOLDE	R	<b>(</b> 1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08SL	T/B 8 WAY SOLDER BACKFEED		<b>(</b> 1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-08SS	TERMINAL BLOCK 8 WAY SOLDER SOLD	ER	(1)	NA		NA	NA	NA	NA	Pending	NA	Spec Sheet	MORE
1213-09PC	TERMINAL BLOCK 9 WAY PC TYPE		<b>(</b> 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.

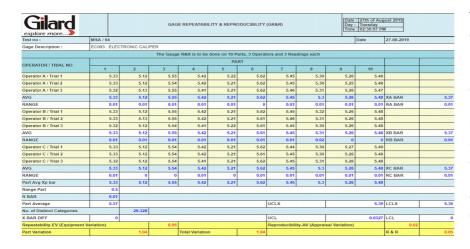
#### RCA & CAPA using G.A.P<mark>-OSM™</mark> Root Cause Analysis and subsequent Corrective Actions

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

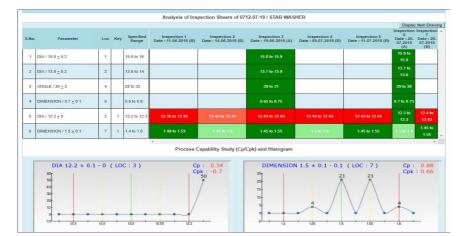
G.A.P-OSM<sup>TM</sup> then online transfers the responsibility of performing these corrective actions to the departments and persons concerned. Further, the corrective actions, their delegation and monitoring for closure is also done. Final printed out report is also available for record-keeping or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

FGI         Reporting         List inspected items in FGI           Iser Functions         200         List inspected items in FGI           Impervisors         200         Stock           2162-14X1A         439FED RESISTOR INDICA VISTA         120           019         CABLE         146												J	ohn Sm	ith Developer Ec			
Reportings	*	F	GI   Rej	porting   I	List inspe	ected items ir	FGI										
User Functions	*								List	nspecte	d items i	n FGI					
Supopulsors		Items N	lo.	De	scription	1							Stock		R	ite	Amount
Supervisors		2162-14>	(1A	4S	PEED RE	SISTOR IND	CA VIS	ra 🛛					120		72	21	4,679
		919		CA	ABLE								146		116	00	9,145
		726-7413	IP	IN	DICATOR	SWITCH ASS	βY						104		35	00	1,965
		713-11B		TC	GGLE SV	NITCH SPST	4.5 AMF	BLACK					50		25	75	695
		713-21B		TC	GGLE SI	NITCH DPST	4.5 AMF	P.BLACK					10		24	21	130
		713-22B		TC	GGLE S	NITCH DPDT	4.5 AMF	P BLACK					39		27.	81	585
		762-04		BF	RAKE LIG	HT SWITCH							45		40	20	976
		765-03		ST	ART SWI	тсн							18		129	00	1,253
		2185-05		PL	ATE ASS	Y COVER							828		68.	51	30,632
		761.04		107	7400 et	мтец							na		74	60	0.440
																	Amount: 8,40,879

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

#### **HRD Module**

lard Electronics Pvt Ltd If Diagnostics : TBC = 0.00	E	You can press F1		iise a ticket. Pen	iding Appro	vals					John Smi	th Dev	sig
me Sales Finance NPD Stor	es Q/	Pur HRD PLM	e-CAPA [	Dashboard TPM	Mfg. IGI	FGI Sup	oport Payr	oll Doc (	Control Toolroom PC	MD N	BD Asset E	HS Vis	sitors
RD   User Function   Probation Rec	ord												
	_	Gr	· ·	tion Progress R	·	De		Dire	play recently completed p	j	ay All Comple	eted Pro	Datio
Probation Progress Report	SN	lo. Name	Ecode		Image	Probation	1 001	Current		-	ns Status	Email	Upda
end Email To HOD's For Final Ipdation			Loode			Shee	e	Salary	Interporting to		is status	Status	Da
end Email to Parents on 29-08-2020	1	Guneet Kaura	E2642	HRD/HRD	1	$\checkmark$	13-03- 2019	21010	Manvinder Kaur		COMPLETED	Done	25-11
end Another Email To Pending Satus					as 1		2018						2016
	2	Abhishek Rana	E2643	ACC/FINANCE			28-03-	9700	Aniu Rani	5	COMPLETED	Done	03-0
List of terminated employees		, and the second second	22010	1000 NUMBER			2019			Ŭ		00110	2020
List of left employees						1	01-04-						03-0
Print Probation In Process	3	Shubham	E2644	MLD/GARV	9	N	2019	10090	Ritu Sharma	3	COMPLETED	Done	2020
Print Probation Completed					March 199								1

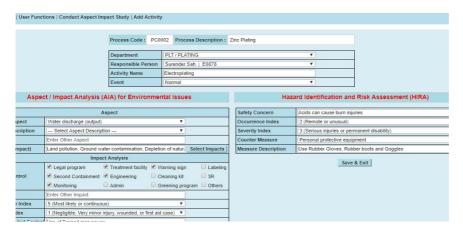
Besides preparing monthly Payroll with all the required legal and MIS reports, this module keeps a track of all the employees viz a viz their training needs, their qualifications and work experience, and also their Performance Monitoring for Appraisals.

#### **Payroll Module**

Diagnostics : TBC = 0.00	Ing Approvals IP Avesome Search AD PLM e-CARA Dashboard TPM Mg	portice and the software of th	Contraction of the second seco
(A) Annual Reports 1 Annual Break Register 2 Annual Bonus Register 3 Annual Islamska Register 4 EL EL Charaktmerk (CSWPRI) Employee Wiss Summarized Annual 9 ad Salary 6 Employee Wiss Summarized Annual 7 Additional Violand Abantesem & 1 Labour Turnover View A Month Wiss Of Theorem	(B) Bank Transactions 1 Cash Salary 2 Current Moht Bank Transfer 3 Ibrector Salary 4 E-Payment Salary CSV 5 NEFT Salary CSV	(C) ESI / PF Nomination 1 Covered Under Group Insurance 2 EPF Fom 0 3 EPF Fom 5 4 ESI Nomination 5 PF Nomination	(D) Leave Record Information 1 Leave Ledger 2 Reason Wise Leave Report 3 Stok Leave / Medical Leave Record
8 Report (E) MIS	(F) Monthly Legal	(G) PF & ESI (Monthly)	<u> </u>
Attrition, Grievance & Longetivity Report	1 Covid Sustainability Allowance 2 Department Wise Salary Report	1 ESI File for Uploading 2 ESI Register	
2 Designation Report 3 Employee With 100% Attendance	3 Incentive Report 4 Month Wise TDS Deduction Report	3 KYC For PF (CSV) 4 Labour Welfare for uploading	
4 Manual Intervention Report	5 Payslips	5 PF File for Uploading	
5 Monthly DD, SL, DS && AA Report	6 Salary Register	6 PF Register	
6 Monthly Recruitment Status	Salary Statement with or without		

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**

			s Pvt Ltd TBC = 0.00			You can press f	10 key to Raise		g Approvais	•M	John Sm	e mo	signout eloper Edit
Home	e Sal	es Fin	ance NPD :	Stores QA	Pur	HRD PLM e-0	APA Dashboard	TPM Mfg. IG	I FGI Support F	Payroll Doc Control Toolroom PCMD	NBD Asset E	HS Vis	sitors
	Tool	room   U	ser Functions	List of all	Comple	aints							
							List of a	II Complaints				Monthly	y Report
Note	:	Compl	aints pending fo	or acknowled	lgment.	<b>Somplaints</b> in	process. 💥 Rejecti	ed complaints 🖱	Quality Approval Pen	ding after tool trial 🔵 Closed complaints	-		
-Dep	tt-	~	-Raised_by-	<b>∀</b> -Ti	001-	-Comp	laint Type-	✓ -Tool Custo	dian 🗸 filter	Reset filter			
									Olist of all complain	ts OList of open complaints OList of complete	e complaints OLis	t of close	d complaint
SNo	Com. No.	Raised	Priority	Tool	No.	Date/Time of Complaint	Acknowledged Date/Time	Closure Date/Time	Complaint Type	Nature of Complaint		TTR in hrs.	Eng
1	2149	E0675	P3/27-08-2020	773-06-A1	1 🔳	21-08-2020 11:44			Tool Quality Fault	burr obs .	2	0	
2	2148	E0675	P3/25-08-2020	0712-03-4	12 🔳	21-08-2020 11:42			Tool Quality Fault	burr obs .	2	0	E2252
3	2147	E0675	M5/21-08-2020	2517-07-A	м 🔳	21-08-2020 11:40			Tool Quality Fault	burr obs .	2 📄 🤞	0	E0768
4	2146	E2342	P3/24-08-2020	1901-13-4	M 🔳	21-08-2020 11:09			Tool Improvement	In cavity no. 1 and 2 flash observed on whole sid drawing gilard engraving missing on all cavities p do required improvements.		0	
5	2145	E0675	P3/26-08-2020	1265-03-4	a H	21-08-2020 10:20			Tool Quality Fault	strip light tag on comes on die plate tag d foam & hole not proper deep .	à spacer fix shank	0	E2014
6	2144	E0675	M5/21-08-2020	0726-45-4	13 🔳	21-08-2020 10:14			Tool Quality Fault	burr on small hole .	2	0	E2014
					_					Flash observed in pieces Please check picture at	ttached and do		

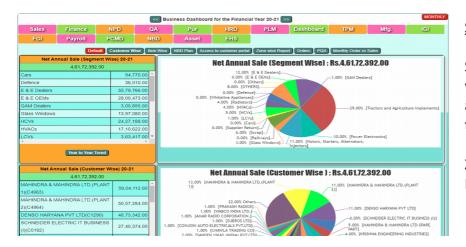
This module is for registering and viewing complaints of Tools for Maintenance. Tool History in terms of Production, Types of Repairs and Preventive Maintenance done, MTTR, MPBF, Repeated nature of Repair done etc. is reported.

#### **Document Control Module**

Gilard	Jac	/t Ltd		4		wesome Search					1		and and a		ou can p		exp	lore more.	signou		
Home	Sales Finance	NPD St	tores QA	Pur			Dashboard	ТРМ	Mfg.	IGI FGI	Support	Payrol	Doc Contr	ol Toolro	m PCM	D NBD	Asse				
	Document Contro	ol   Reportin	ıg   View Qı	Jality	Documer	its															
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	Category - 🗸	Type	v	•			Search Do	cument	Descript	ion								Filter Show /			
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3	QS	Softcopies of	of Formats		1	GE-F-09-94	REVIEW O	F OPER	ATORS	ASSIGNE	D AT SOLI	DERING V	VORK POTTI	NG IN ASSE	MBLY			View Obsolete	Doc		
4	QS	Softcopies of	of Formats		1	GE-F-09-93	MACHINE	ROCES	SS CON	TROL PA	RAMETER	3						View Obsolete	Doc		
5	QS	Softcopies of	of Formats		1	GE-F-09-92	DAILY CHE	CK SHE	ET FOR	TOOLS,	EQUIPME	NTS & BI	VS					View Obsolete	Doc		
6	QS	Work Instru	ctions		7	QS-W-04-22	WORK INS	TRUCTI	ON FOR	R CONDU	CTING FM	EA						View Obsolete	Doc		
7	QS	Procedures			5	QS-P-04-10	PROCEDURE FOR INITIAL PRODUCTION CONTROL								View Obsolete	Doc					
8	QS	Softcopies of	of Formats		2	GE-F-18-26	HOUSEKEEPING CHECKLIST							View Obsolete	Doc						
9	QS	Procedures			16	QS-P-17-01	PROCEDU	RE FOR	INTER	NAL AUDI	r							View Obsolete	Doc		
40	00	Collognian a	of Cormolo		-	00.0140.00	DEQUEET	FOR OC	NIDUCT		CODMAND	C TEOT						Manu Oboslata	Dec.		

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**

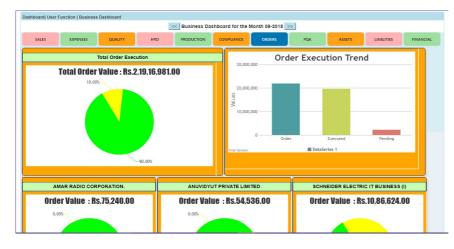
Dashboard  User Function   Business Dashboard		_										
		Business Dashb	oard for the Fin	ancial Year 18-19	>>			MONTHLY				
SALES EXPENSES QUALI	HRD	PRODUCTION	COMPLIANCE	ORDERS	PQA	ASSETS	LIABLITIES	FINANCIAL				
LEVEL 1 : Customer Rejection	18-19		LEVEL 1 - O	Customer R	eiection · I	Rs 13 20 530	0 60					
13,20,539.69 / <b>4,14,732.69</b>	1				. i	13.10,20,003	3.03					
SANDEN VIKAS (INDIA) PVT.LTD (C7548)	5,12,635.00 ^	1.00	1.00% [SUBROS LIMITED				VIKAS (INDIA) PVT.LTI	j.				
SML ISUZU LIMITED (C7453)	4,11,903.28		AL ELECTRONICS - C			C7548]						
SUBROS LTD (C7749)	1,37,017.50	2.00% [VIBRACC C7621]	DUSTIC INDIA PVT LT	D								
SOUTHERN ELECTRONICS PVT. LTD. (C7637)	52,185.00		NOVATION PVT. LTD		S							
LUMINOUS POWER TECH. PVT LTD (C10032)	46,980.00	C10024] 4.00% [LUMINOUS POW	ER TECH. PVT LTD -									
ELCOM INNOVATION PVT. LTD (C10024)	42,881.00	C10032] 4.00% [SOUTHERN ELEC	TRONICC DUT. LTD.									
MAHINDRA & MAHINDRA LTD.(PLANT 2) (C4964)	32,576.07	C7637]	TRONICS PVI. LID.			<b>_</b>						
VIBRACOUSTIC INDIA PVT LTD (C7621)	28,886.00	10.00%	[SUBROS LTD - C774	19]								
DENSO HARYANA PVT LTD (C1290)	15,666.62											
INIT/EDONI ELECTRONICO /204001	12 176 00	-31.00% [SML ISUZU LIMITED - C7453]										
Year to Year Trend												
LEVEL 2 : FGI Rejection 18-	19											
6,39,994.00			LEVEI	. 2 : FGI Reje	ction : Rs.(	6,39,994.00						
2502	81,090.00 🔶			12.67% [2502]								
764-01	78,630.00					-12.29% [764-01]						
2519-RMS	50,950.00		13.15% [Oth	iers]								
2517FMK	38,846.00		1.68% [2519-02			-7.96% [2	519-RMS1					
768-FL	26,700.00		1.91% [2341AM] 2.33% [741-3111]			-7.70A [4	a.r. (0.01					

#### 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**

			<< Bi	usiness Dashboard	for the l	Month 09-2	2018 >>			ANN
SALES	EXPEN	USES QUALITY	HRD PR		LIANCE	ORDER	IS P	DA ASSET	s LIABLITIES	FINA
				Select PQA : 01-04-2	2018 To 3	0-06-2018 🔻				
			Hi Profit					Hi Qty		
	SNo.	Series No.	Qty	Profit		SNo.	Series No.	Qty	у	Profit
	1.	726-	127822	1554745.94 🔺		5.	2501		85900	236225.00
	2.	2210	10895	1376965.65		6.	2502		81900	-818.00
	3.	1385	244250	1283015.50		7.	0726		78827	53193.00
	4.	2219	26070	1093107.70		8.	2506		73920	320293.36
	5.	2331	16700	977791.00		9.	2214		63984	911532.28
	6.	2214	63984	911532.28		10.	997-		58571	180589.51
	7.	2162	53885	905907.50		11.	2162		53885	905907.50
	8.	2515	29484	825438.08		12.	713-		48140	-121496.70
	1	2240	740400	735573 00		13	2507		45276	159613 44
				QA Guidin	g Qı	ladrar				
			li Profit / Low	Qty			HI Pro	fit / Hi Qty		
			itable product but not high vo try to sell more of these items					nation of high profit a y and service to the c		
		SNo. Serie	s No. Qty	Profit	SNo.	Seri	ies No.	Qty	Profit	
	High	1 2210	1089	5 1376965.65	1	726-	ณ์	127822	1554745.94	
	Profit	2 2331	1670	0 977791.00	2	1385	ណ៍	244250	1283015.50	

<u>PQA based Study</u> To check the Quantity of any Product sold , Its Cost of Manufacturing and its Selling Price comparison. Profitability of each Item.

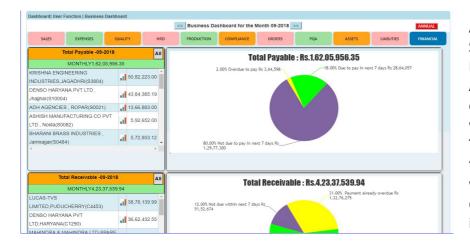
Identification of Products that are more Profitable guides us to improve our market share of these products

#### **Control on Expenses**



<u>Budgeting and Expense</u> 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

C		ard
	You can press F10 key to kaise a ticke	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	
	EHS   Reporting   Legal Compliance Status (Read)	
	Study & Review of Application of Legal Compliance	
	Search Act Name	Show All
S No.	Act Name	Applicable
1	Advertisement Council of India Guidelines	*
2	Air (prevention and control of pollution)Act, 1981	$\checkmark$
3	Apprentices Act 1961	
4	As per GST Rule	$\checkmark$
5	As per Municipal Corporation	$\checkmark$
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, 1986	1 X -

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)**

<b>9.0.0</b>	- Contract	ТРА	MAIN	TENAN		_ (	REAKJOWNS	<b>Gilard</b> <i>explore more</i>
Self Diagnostics						You can pre	ess F10 key to	John Smith
Home Sales F		Stores QA P	GAP Awesome Search	Mfg. IGI FGI	Support Payroll	Doc Control	Toolroom PCMD	NBD Asset EHS Visitors
Search Code		Search Category	Machine Mas     Listed Machines select     Search Name		epartment			Department & Category Wise Print
Machine Code Asset Code	Department	Category	Name	Class	Owner	Sponsor	Trained operators	Department & Category wise Phint
P0003/	S2411	Production	WHEEL PRESS H	) Key			Baljinder Kaur Gurpreet Kaur Jasvir Kaur Rita Rani	Edit Prevent Schd. Spares
PRD-PRS-0053/	S2411	Production	Small Wheel Press No.6	Regular			Review	Edit Prevent.Schd. Spares
U0011/	UTILITIES		COST OF NPD ENGINEER (RS. PER HOUR)					Edit Prevent.Schd. Spares
		Production	Life Test (Endurance)	Regular			Review	Edit Prevent.Schd. Spares
LT001/ UTI-MNT-CHAIRS/	LAB \$10247	furniture	ALL CHAIRS OF GLARD	-			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.

#### e- CAPA (Knowledge capturing and retention)

(	9.9.6	DSM	e-CAPA		OUBLESHOOTING FME D-8 NALYSIS KNO VEVENTION INFORMATIO 16A KNOWLEDGE DATA ATA INFORMATION POK		Capture & Pr	ional	Gi		
	Electronics		s F10 k	ey to Raise a ticke	t. Pending Approvals				John Smit	. (	signo
self Di	agnostics : T	BC = 0.00		GAP Awesome	Search				JUIII SIIII	Develo	oper Eq
Home	Sales Fina	nce NPD Sto	ores QA Pu	r HRD PLM e-	CAPA Dashboard TPM	Mfg. IGI FGI Support F	Payroll Doc Control Tool	room PCMD N	IBD Asset EH	IS Visito	ors
					_						
:apa	Overview of a	II CAPAs									
			_		View C	CAPA's List					
CNo.	Date	Area of NC	Initiator	For item	NC observed by	Type of CAPA	Description	Keyword	Handover To	OPEN	CLOS
Cap 🗸	Date 🗸	~	Initiator 🗸	×	*	Capa type 🗸 🗸	×	Search	Filter   Reset		
1	01-12-2014	FIELD COMP	saniiv	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	QMS AUDIT TS19649	INTERNAL AUDIT	MONITORING				X
	12-12-2014	Plating	hardip	2507	Lucas TVS	CUSTOMER COMPLAINT					X
8		Plating		2507	IGI	INHOUSE COMPLAINT	FielD MOLDING				

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

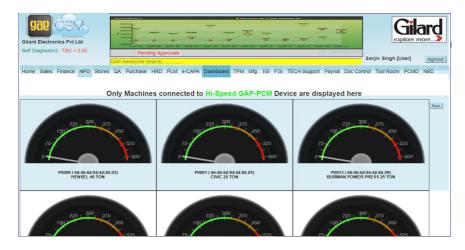
Gilard	<b>g</b> ·a·p			~	GAP A	wesome Sea		I press	F10 key	to Rai	se a ticket.	Pendir	g Appro	wals	5			more»
Home	Sales Fina	ance NPD S	tores QA	Pur	HRD	PLM e-CAP	A Dashboard	трм	Mfg. IO	GI FG	Support	Payroll	Doc Co	ontrol T	oolroom P	CMD NBD	Asset EH	IS Visitors
	Asset   User	Function   Add	/Edit an Ass	set														
							Add/	Edit aı	n Asset									Asset Maste
Searc	h Asset Code	Search Asset D	Description			-	Select Category-				× -	Location-	~	Filte	r 📘 Show Al	]		
ir.No	Location	Sub Location	Ass	et Code		Asset	Description		Imag	е	Category for Dep. Accountin	Shift U		urchase Date	Purchase Cost	WDV(IT)	WDV(CLB)	Verification Date
1	ACC	ACCOUNTS	AC00131		HP M	FD PRINTER			HI POPUL		G2112	1	30	0-10-2018	14700	4116	7350	
2	ACC	ACCOUNTS	AC00132		HP M	FD PRINTER			HERE		G2112	1	30	)-10-2018	14700	4116	7350	
3	ACC	ACCOUNTS	AIR-FIN-00	01	Hitacl	hi AC					G2108	1						10-08-2018
4	ACC	ACCOUNTS	AIR-FIN-00	02	Carrie	er AC	_		The second	T	G2108	1						22-08-2018
5	ACC	ACCOUNTS	COM-FIN-0	002	Comp	outer M-65					G2112	1						30-07-2018
6	ACC	ACCOUNTS	COM-FIN-0	003	Comp	outer M-63					G2112	1						30-07-2018
7	ACC	ACCOUNTS	COM-FIN-0	004	Comp	outer M-20			-		G2112	1	16	5-09-2011	7406	6 (	370.3	30-07-2018
							A del blave		O a da		Asset Lis							)

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 Self Dia Home		GAP Awesome Search Stores QA Pur HRD PLM e-CAPA alculate Depreciation For The Year	Dashboard	TPM Mfg.	IGI FGI Su	pport Payroll	You can pre		ey Jo	Silar colore more hn Smith Devek sset EHS Visite	signout
		Asset List		Additions duri		relation up to:	20-21				
			Purchase	Purchase			IT Based		Co	ompany Based	
Sr.No	Asset Code	Asset Description	Cost	Date	Shift Usage	Dep.for the year	Cumulative Dep.	WDV	Dep.for the year	Cumulative Dep.	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	09-10-2018	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	40625	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		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		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

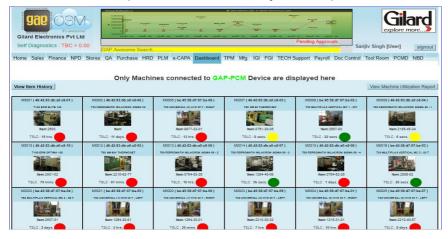
It also calculates the annual Depreciations based on both IT rules as well as CLB rules. It maintains WDV of each asset and also saves a Picture of each asset.

#### 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.

mm2 / Real         mm2 / Real <thm2 real<="" th="">         mm2 / Real         mm2 / Rea</thm2>						S-1004-Mou	Iding Shop I							
Not dropses			S-1004-03 (MULTIPLAS 2)	S-1004-04 (MULTIPLAS 3)					s-1004-09 (cts/MgB)名(与所行)		(SM90V	S-1004-12 (T55 DM VE INJECTION		
Ibs of systems         Ibs of	1264-30-01	2506-02	2519-RMS	2507-01	1264-30-01	2331-30-01	9977-32-01	9977-32-02	2162-32-01	2501	2214-52-05	2301-30-0 2301-32-0		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	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		
Not draves     Not draves <td>125</td> <td>860</td> <td>72</td> <td>0</td> <td>152</td> <td>69</td> <td>131</td> <td>130</td> <td>75</td> <td>1217</td> <td>625</td> <td>83</td>	125	860	72	0	152	69	131	130	75	1217	625	83		
2       1       1       1       2       1       2       1       2       1	×		х	х	×				x	×	x	x		
United states         Value datas		No of cavities	No of cavities	No of cavities		No of cavides				No of cavities	No of cavities	No of cavitie		
2500         8600         72         0         30.4         69         26.2         26.0         150         24.34         62.5         150         150         24.34         62.5         150         150         150         24.34         62.5         150         150         24.34         62.5         150         150         24.34         62.5         150	_	1				1				2	1	=No of pos		
State         State <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>166</td></th<>												166		
S-1011 Moulding Shop 8           S-1011 Moulding Shop 8           S-1011 Moulding Shop 8           S-1011 Moulding Shop 8           Colspan="2">S-1011 Moulding Shop 8           S-1011 Moulding Shop 8           Colspan="2">S-1011 Moulding Shop 8           Colspan="2">S-101 Moulding Shop 8           Colspan="2" Moulding Shop 8           Colspan="2" Moulding Shop 8 <th 8<="" <="" colspan="2" moulding="" shop="" td=""><td>TSLC : 95 secs.</td><td></td><td></td><td></td><td></td><td></td><td>TSLC : 70 mins.</td><td>TSLC : 70 mins.</td><td></td><td></td><td>TSLC : 44 mins.</td><td></td></th>	<td>TSLC : 95 secs.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>TSLC : 70 mins.</td> <td>TSLC : 70 mins.</td> <td></td> <td></td> <td>TSLC : 44 mins.</td> <td></td>		TSLC : 95 secs.						TSLC : 70 mins.	TSLC : 70 mins.			TSLC : 44 mins.	
Contraction         Contraction <thcontraction< th=""> <thcontraction< th=""></thcontraction<></thcontraction<>	23	08		08	08	08	08	C C		08	08			
Op/En         Colored and the distance         Colored and the distance <thcolored and="" distance<="" t<="" td="" the=""><td></td><td></td><td></td><td></td><td></td><td>S-1011-Mou</td><td>Iding Shop II</td><td></td><td></td><td></td><td></td><td></td></thcolored>						S-1011-Mou	Iding Shop II							
0097-4222 No of opena         Ite	(T140 EPM ELITE		5-1011-03 (SM90 THERMOSET	S-1011-04 (SIGMA 50T -1)	(SM90V	5-1011-06 (SIGMA 507 - 2.)	5-1011-07 (SIGMA 50T - 3)		5-1011-09 (DM VER INJ 30T)	S-1011-10 (EPM OPTIMA 1007)	(VER INJ DOUBLE	5-1011-12		
1451         530         3         19         324         477         8         469         19         336         198         X           No of cardies         No         No of cardies         No         No of cardies         No         No of cardies         No         No <td>0997-42-02</td> <td></td> <td>0764-39-35</td> <td>2210-52-15</td> <td>0771-32-11</td> <td>9957-42-02</td> <td></td> <td>2210-52-40</td> <td>2507-02</td> <td>0771-42-18</td> <td>2214-52-10</td> <td></td>	0997-42-02		0764-39-35	2210-52-15	0771-32-11	9957-42-02		2210-52-40	2507-02	0771-42-18	2214-52-10			
x         x												No of cycles		
2         1         4         1         4         2         2         2         1         1         2         1         1         2         1         1         2         1         1         1         2         1         1         1         2         1         1         1         2         1         1         1         2         1         1         2         1         1         2         1         1         2         1         1	1451	530	3	19	324	477	8	469	19	336	198	0		
2         1         4         1         4         2         2         2         1         1         2         1         1         2         1         1         2         1         1         1         2         1         1         1         2         1         1         1         2         1         1         1         2         1         1         2         1         1         2         1         1         2         1         1	X	X	X	X	X	X	X	X No of equilies	X	X	X	X No of cavitie		
-tie dreatie drea.		1		1					1	1	2	1		
		=No of pos		eNp pl ook					eNo phoese	who of ook	+No of pos	His of ock		
						074	4.0	000	10	000	200	0		
TSLC : 6 sees TSLC : 38 sees TSLC : 60 mins. 🛑 TSLC : 44 mins. 📕 TSLC : 11 sees. 📕 TSLC : 2 sees. 📕 TSLC : 242 mins. 📕 TSLC : 4 sees TSLC : 6 hrs. 📕 TSLC : 6 sees TSLC : 6 hrs.	=No of pos.	530	12	19	1 1296	954	10							

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**

Glard Electronics Pvt Ltd Setf Diagnostics : TBC = 0.00	You c	<u> </u>	ey to Raise a tick	Pending Approvals			ard more»
Home Sales Finance NPD Stores			e-CAPA Dashbo	ard TPM Mfg. IGI FGI Support P	ayroll Doc Control Toolroom		Developer Edit
Reportings  User Functions  Supervisors		sitors   User Fun me/Phone	ctions   Visitors Pr	rofiling Visitors Pro	ofiling		
				Create Visitor's			
	S.No	Last Visit Date	Name	Address	Phone Number	Photograph	Edit Profile
	1	03-03-2020	Mohit Kumar	chd	9915843000		View/Edit
	2	03-12-2019	Aameen	subros	9028603536		View/Edit

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**

ard	Electronics Pvt Ltd	e Login		2-		exploi	e m	ore
Hon	ne				We	lcome : Nidh	i Bali[A	0203] Sig
	Employee   View PMS							
	Welco	me Nidhi Bali's (	A0203 )to view F	MS				
		Processes &	Activities					
ime A	Ilocation For All Activity	li li	n Min	Tot Min. For This Month	Weighta	ge		Action
			2375	1200	0	0		
roces	ss 1 : Administrative Work							
r.No.	Activity	Frequency	LDS	Time per instance	Total time for this month	Score		
	Collecting data & Preparing Presentation for HRD Measurables	Monthly	02	120	120	Not Done	8	<ul> <li>Image: A start of the start of</li></ul>
	Updation of Notice Boards & their record in HRD documents (EHSAS, 5S, EHS Measurables, Kaizens, EMS, Thank-you & Incident Accidents)	Weekly	Friday	240	960	Not Done	2	1
	Email Communication for Meeting & Events to Gilardians	Weekly	Monday	15	60	Not Done	2	-
	Advance Approval to staff as per employee advance policy of Gilard	Weekly	Saturdays	20	80	Not Done	2	1
roces	ss 2 : CSR Activities							
	Mail to Vendors on Environment Protection	Weekly	Monday	15	60	Not Done	2	
roces	s 3 : Employee Motivation							
	Employee Satisfaction Study	Annual	15 December	120	0	Not Done	2	
	Collection of entries for Dil se, Arranging pictures of events for Newsletter - ALFAAZ	Quarterly	10 October	45	0	Not Done	2	
	Translate MDs alfaaz into hindi - quarterly	Quarterly	07 August	15	15	Not Done	2	
	Putting up thought for the day on notice board	Daily		10	250	Not Done	2	-
0.	Behaviour Competency Study	Annual	20 November	120	0	Not Done	2	

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**

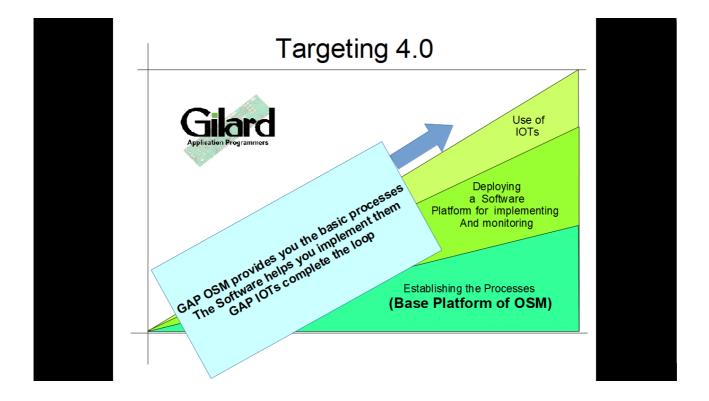


Customers' can Login using his Customer Code and password and have access : View his Pending Orders, View the recent Despatches, View his Accounts ledger, Place an Order or Delivery Schedule, Register or escalate any Complaint.

# **Approach to Smart Factory 4.0**

We offer Consultancy and Pre-Audit services to assess your current positon viz-aviz 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<sup>™</sup> offers full solution :** Hardware, Software, Sensors and Connectivity.

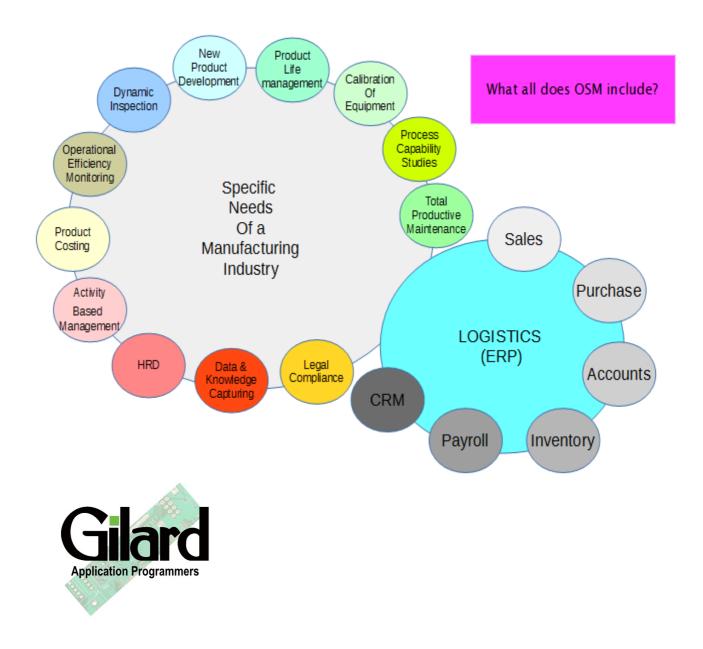


PCMD : Process Control Monitoring Devices that can be fitted to any Machine or process and can capture different types of Digital or Analog data and send it over the internet to an integrated software that can store, report, communicate or react.

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<sup>TM</sup>... its awesome



## **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