

Improved
Control



Reduced Cost
of Ownership

Site Info

Online collection and management of data and alarms from petrol station equipment

Improve your business with accurate data

Most petrol stations contain valuable information generated by the various equipment. The information ranges from error messages from dispensers and wet stock data from tank level gauges to details such as receipt paper status in a payment terminal.

This data is, however, seldom retrieved and stored in a timely and organised manner. The oil companies, accordingly, fail to take advantage of valuable information

that can be used to improve wet stock control and logistics, and can reduce the cost of ownership of the forecourt equipment. This is why Doms has developed the Site Info solution – it collects all this information in a database and makes it useful in reports, on screen display or as statistics in real time.

Basic Site Info features:

- > Central alarm monitoring
- > Environmental control and compliance
- > Reports for equipment troubleshooting

Optional Site Info features:

- > Wet stock data collection and Inventory control
- > Tools for distribution planning and interface with delivery systems

Alarm monitoring for efficient service and higher uptime

Alarms can be monitored in real time from the entire station network. This enables a faster service response for the monitored equipment, minimising lost sales due to faulty equipment. Combined with inventory control, the central leakage alarm monitoring provides efficient environmental control and compliance.

PENDING ALARMS				
Site ID	Description	Date	Time	Device
1393	Totals Mismatch Error	30-08-2005	22:11	Pump 9
2802	Leakage Alarm	30-08-2005	05:52	Tank Gauge 4
1103	Printer Paper Jam	25-08-2005	10:33	Terminal 1
2896	Noteacceptor Offline	22-08-2005	12:34	Terminal 1

SERVICE CALLED				
Site ID	Description	Date	Time	Device
1216	Paper Low	29-08-2005	09:03	Terminal 1
1393	Printer Error	24-08-2005	13:42	Terminal 3
2802	Offline	20-08-2005	10:10	Washing Machine 1

CLEARED ALARMS				
Site ID	Description	Date	Time	Device
1103	Double Pulse Error	27-08-2005	10:24	Pump 4
1518	Low Vol. Alarm	24-08-2005	09:20	Tank Gauge 1
1245	Printer Offline	22-08-2005	07:09	Terminal 1

The alarm management window provides the user with a complete overview of all alarms from equipment connected to Site Info. Each alarm can be administered by the user according to the current status

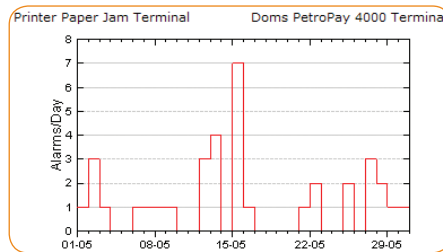
Improved diagnostics and documentation

It is easy to obtain detailed analyses of historical data from the equipment, allowing tight follow-up on the performance of equipment and sites.

Alarm Statistics Report

Report Created: 31-05-2010 11:22
 Period: 01-04-2005 00:00 - 31-08-2005 00:00
 Selection: All Sites in All Service Districts
 Device Type: All
 Alarm Type: All

Occurrences	Alarm	Device Type	Protocol
283	Low Vol. Warning	Tank Gauge	NewTech Tank Gauge
253	Low Vol. Alarm	Tank Gauge	NewTech Tank Gauge
184	Printer Error	Terminal	Doms PetroPay 4000 Terminal
123	Printer Paper Jam	Terminal	Doms PetroPay 4000 Terminal
86	Double Pulse Error	Pump	Autotank ATCL Pump (1200 baud)
57	Leakage Alarm	Tank Gauge	NewTech Tank Gauge
36	Double Pulse Error	Pump	Gilbarco Pump (4800 baud)
28	Preset Overrun Error	Pump	Gilbarco Pump (4800 baud)
23	Noteacceptor Jam	Terminal	Doms PetroPay 4000 Terminal
11	Emergency Stop Activated	Washing Machine	CWI CK45 2 Doors
10	Unexpected Start Error	Pump	Autotank ATCL Pump (1200 baud)
8	Display Error	Pump	Gilbarco Pump (4800 baud)
7	Emergency Stop Activated	Washing Machine	CWI CK45 Tak
4	Unspec. SW Error	Pump	Gilbarco Pump (4800 baud)
1	Calculation Error	Pump	Autotank ATCL Pump (1200 baud)
1	Printer Error	Terminal	Autotank ATCL Terminal (4800 b
1	Printer Error	Terminal	C-bus Terminal
1	Offline	Washing Machine	CWI CK45 2 Doors
1	Paper Low	Terminal	Doms PetroPay 4000 Terminal
1	Printer Offline	Terminal	Doms PetroPay 4000 Terminal
1	Noteacceptor Offline	Terminal	Doms PetroPay 4000 Terminal



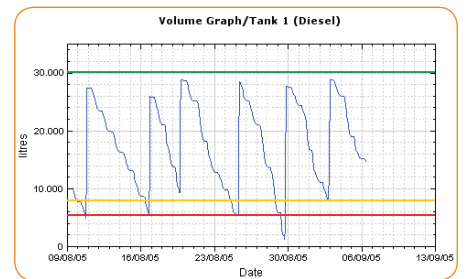
Alarm statistics can be displayed for specific districts and specific periods, offering an efficient system of pinpointing the biggest problems and monitoring the performance of different types of equipment and service concepts.

Efficient distribution planning

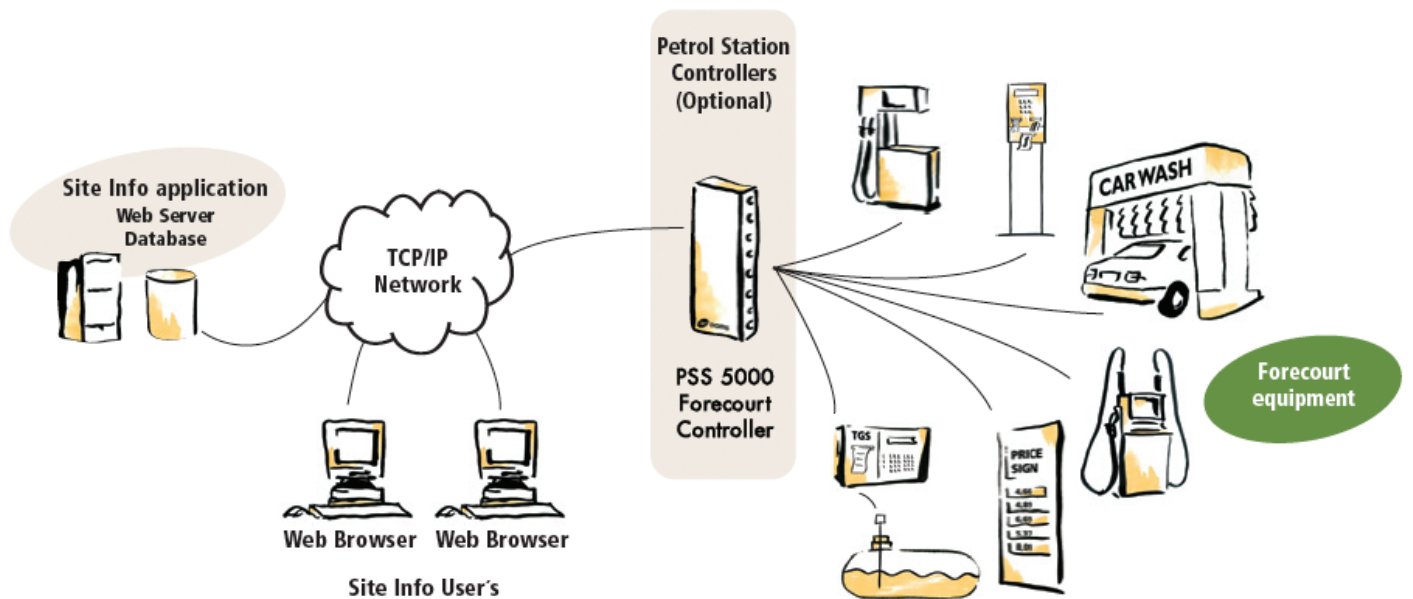
Wet stock data are available online. Site Info furthermore helps activate early warnings, offering automated suggestions for deliveries.

Station	Ref Service	Time	Value	Volume	Inventory	Order Qty	Order Date	Order Qty	Order Date
London	Full Service	01-05-2005	1312	8.455	6.876	13.582	18.176	48.812	1.2
London	Full Service	08-08-2005	1816	22.812	9.172	8.812	23.148	9.648	61.248
London	Full Service	15-08-2005	1816	1	8.812	13.702	42.412	12.812	61.248
London	Inventory	04-08-2005	1003	5.845	5.842	13.128	38.148	38.148	1.2
London	Inventory	18-08-2005	1018	20.842	8.842	48.148	48.148	48.148	1.2
London	Full Service	18-08-2005	1812	38.242	1.748	8.812	48.148	48.148	1.2
London	Inventory	04-08-2005	1114	7.748	8.812	28.812	2.202	48.812	1.2
London	Full Service	18-08-2005	1812	13.842	4.122	18.142	38.148	38.148	1.2
London	Full Service	01-05-2005	1314	10.812	4.812	13.572	14.112	12.812	1.2
London	Full Service	08-08-2005	1816	6.322	8.812	7.612	27.782	25.712	0.8

In the distribution area, ullage for all tanks at all sites in a specified distribution area is displayed. This is a helpful tool in the distribution planning process. Data can also be exported to an existing distribution planning system.




Stock level profiles for each tank are shown. By lowering the reorder level bigger drop sizes can be achieved, considerably lowering the distribution costs.





With Site Info it's possible to interface technical equipment on all stations, either directly via TCP/IP or via existing on-site controllers or systems. The solution is web-based making it optimal for multi-location and multi-user environments.

Reduced costs in manual handling of data

Thanks to the automatic data collection, costs related to the collection of data are reduced to a minimum. Furthermore, the availability of "last minute data" often allows for a little extra fuel to be squeezed into the delivery resulting in bigger drops and, in the long run, lower distribution costs.


Page Last Updated: 21-01-2011 12:52:01

Alarms
Sites
Distribution
Orders
Reports

Site ID.: 1245
Name: Darlington
Manager:
Address:
City: 12374 Darlington

Equipm. Status
Deliveries
Inventory
Volume Hist.
Alarm Hist.
PSS Info.

CURRENT INVENTORY STATUS

Date	Time	Tank	Manifolded Partners	Product	Capacity	Volume	Ullage	Low	Low Low	Tank Status	24h Avg	Low Low in	Order Vol.
06-09-2005	10:08	1		Diesel	30.043	20.365	9.678	8.500	6.500	<div style="width: 80%; background-color: green; border: 1px solid black;"></div>	818	18,3 days	3.000
06-09-2005	10:08	2		Unleaded 92	30.043	5.697	24.346	8.500	6.500	<div style="width: 20%; background-color: red; border: 1px solid black;"></div>	428	-3,1 days	0
06-09-2005	10:08	3	4	Unleaded 95	30.343	21.216	9.127	8.500	6.500	<div style="width: 80%; background-color: green; border: 1px solid black;"></div>	1.561	10,2 days	3.000
06-09-2005	10:08	4	3	Unleaded 95	30.343	18.979	11.364	8.500	6.500	<div style="width: 80%; background-color: green; border: 1px solid black;"></div>	796	18,0 days	0

Update Now
Order
6.000

Device Type:

Alarm Type:

ALARM STATUS

Device	Description	Date	Time	State
<input type="checkbox"/>	Tank Gauge 2	Low Vol. Alarm	04-09-2005 10:45	P
<input type="checkbox"/>	Pump 3	Preset Overrun Error	29-08-2005 00:39	S

Set State for Selected Alarms to :

SITE LOG

Time	User	Comment
<input type="checkbox"/>	21-01-2011	demouser Shift change: verify level in tank 2

New Comment
Delete Selected

For each petrol station an individual web page is configured, containing current status of equipment, standard and customer-specified reports regarding wet stock, event logs from forecourt equipment etc. The functionalities provide the oil company and affiliated service partners with the necessary information to monitor and analyse the performance of each individual site.

Inventory Report for 1155 Wrexham

29-08-2005 00:05 - 05-09-2005 00:00

	Tank 1 Diesel	Tank 2 ULT 95	Tank 3 BF95	Tank 4 BF92
Pump 1	Start 169.117		221.680	46.502
	End 172.627		225.627	47.456
	Corr.			
	Sale 3.510		3.947	954
Pump 2	Start 130.515		221.987	45.198
	End 133.889		226.033	45.931
	Corr.			
	Sale 3.373		4.047	732
Pump 3	Start 328.205			
	End 336.198			
	Corr.			
	Sale 7.993			
Pump 4	Start 293.184			
	End 299.525			
	Corr.			
	Sale 6.341			
Pump 5	Start		189.806	47.602
	End		193.071	48.470
	Corr.			
	Sale		3.265	868
Pump 6	Start		137.878	47.193
	End		140.769	48.219
	Corr.			
	Sale		2.891	1.026
Pump 7	Start	14.929	112.442	
	End	15.194	114.560	
	Corr.			
	Sale	265	2.119	
Pump 8	Start	13.358	114.052	
	End	13.611	116.244	
	Corr.			
	Sale	253	2.192	
Total Sale	21.217	518	18.461	3.580
Gauged Vol. Start	23.478	6.231	23.587	9.690
Delivered	39.100	2.953	40.422	6.085
Gauged Vol. End	41.452	8.675	45.237	12.147
Tank Gauge Dif.	21.126	509	18.772	3.628
Dif. (litres)	91	9	-311	-48
Dif. (%)	0,43%	1,68%	-1,68%	-1,34%
Deviation Check	PASSED	PASSED	PASSED	PASSED

Deviation check fails when dif. in percent exceeds 2,00% and dif. in litres exceeds 100 litres

For each petrol station individual inventory reports are generated for each week and month, forming the basis for the reconciliation process. It also works as a monitoring tool for control of leaks and delivery.

Improved control of losses

Discrepancies between delivered and sold wet stock are tracked and displayed in daily, weekly and monthly reports. This enables tight control and is a favourable tool for preventive maintenance.

Performance monitoring

With no additional forecourt investment, oil companies can reduce maintenance costs and increase throughput on the forecourt by implementing performance monitoring in the PSS 5000.

Many sites have experienced customers avoiding certain dispensers, which can result in reduced sales. The reasons for this reduction can be:

- > decreased flow rates
- > prolonged delays between nozzle activation and the flow starting
- > bad illumination at night
- > sabotage — an “out of order” sign placed on a payment terminal on an unattended site
- > dispenser system performance not satisfying customers’ expectations at peak periods

By monitoring sales and comparing them with normal sales data, a simple trend analysis can highlight the situation, which then can be investigated, rectified and customer satisfaction restored.

Easy system maintenance thanks to web-enabling

The web-based Site Info enables users of the system to run the application exclusively with the help of a browser (e.g. Internet Explorer) and a network connection. It is not necessary to make any installation or perform any maintenance on the user’s PC.

Supplying 3rd party applications with data

In order to deliver data, Site Info can be interfaced to other administrative systems such as accounting and distribution systems.

“Previously our planning was very challenging and time-consuming due to manual collection and handling of especially wet stock data. Today, Site Info has helped automate and optimise the entire distribution planning process. This alone made Site Info worth investing in.”

FLEMMING JENSEN
SALES DIRECTOR STATOIL

Doms ApS
Formervangen 28
DK-2600 Glostrup, Denmark
Tel.: +45 4329 9400
Fax.: +45 4329 1012
Email: sales@doms.dk
www.doms.com

