



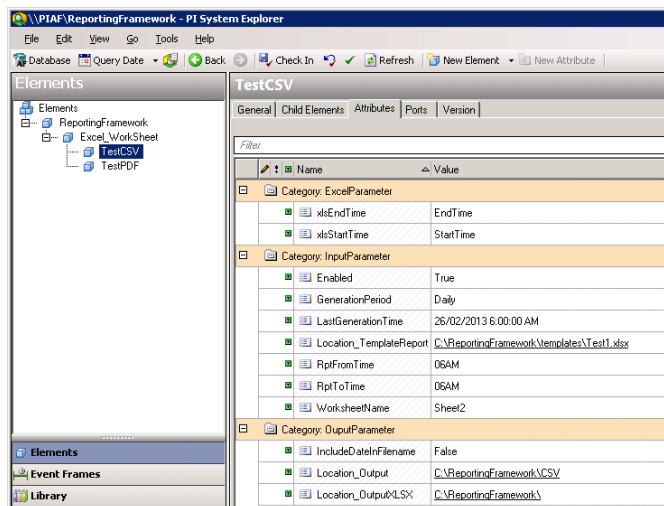
MathIT is Australia's most experienced OSIsoft® PI System® integrator

MathIT ReportZ

Simple Automated Reporting for the OSIsoft® PI System®

The MathIT ReportZ leverages the capabilities of the PI Asset Framework™ to allow users to automatically generate Microsoft Excel-based reports in CSV or PDF format.

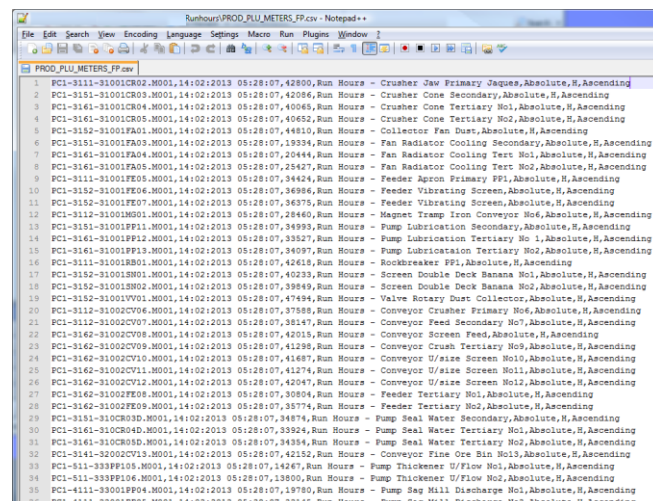
All PI Datalink® functions, Excel-Based macros and third-party DLLs are fully supported for flexible data reporting capabilities. Scripts can also be provided to automatically publish reports that allow users to review their production reports on the web via Microsoft SharePoint.



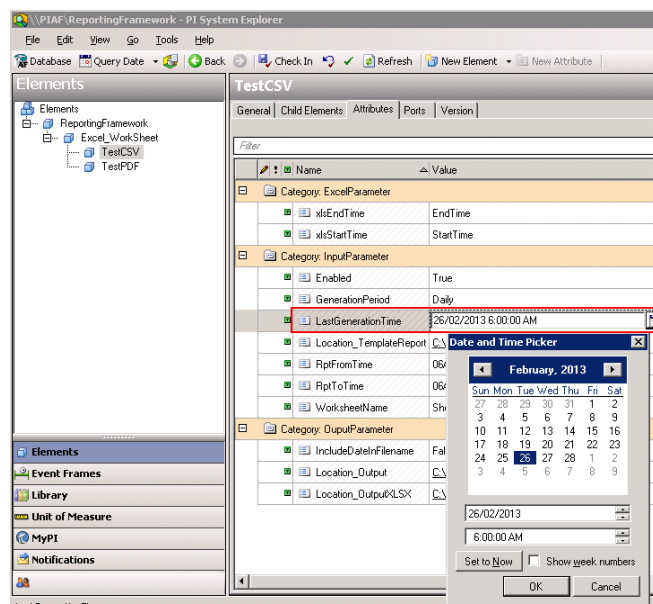
Desalination Plant - Daily Summary - Chemical Consumption									
Item #	Area Code	Parameters	Tag No.	Units	Time Interval	Time Interval	Time Interval	Time Interval	Time Interval
1	020	COAGULANT (Ferric Sulphate) Storage Tanks Level	6-PIR00011-V_PV	ML	48.33				
2	020	THK 02011	6-PIR00012-V_PV	ML	0.00				
3	020	THK 02012	6-PIR00013-V_PV	ML	0.00				
4	020	THK 02013	6-PIR00014-V_PV	ML	0.00				
5	020	THK 02014	6-PIR00015-V_PV	ML	0.00				
6	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00016-V_PV	ML					
7	020	East Tank	6-PIR00017-V_PV	ML					
8	020	West Tank	6-PIR00018-V_PV	ML					
9	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00019-V_PV	ML					
10	020	East Tank	6-PIR00020-V_PV	ML					
11	020	West Tank	6-PIR00021-V_PV	ML					
12	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00022-V_PV	ML					
13	020	East Tank	6-PIR00023-V_PV	ML					
14	020	West Tank	6-PIR00024-V_PV	ML					
15	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00025-V_PV	ML					
16	020	East Tank	6-PIR00026-V_PV	ML					
17	020	West Tank	6-PIR00027-V_PV	ML					
18	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00028-V_PV	ML					
19	020	East Tank	6-PIR00029-V_PV	ML					
20	020	West Tank	6-PIR00030-V_PV	ML					
21	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00031-V_PV	ML					
22	020	East Tank	6-PIR00032-V_PV	ML					
23	020	West Tank	6-PIR00033-V_PV	ML					
24	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00034-V_PV	ML					
25	020	East Tank	6-PIR00035-V_PV	ML					
26	020	West Tank	6-PIR00036-V_PV	ML					
27	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00037-V_PV	ML					
28	020	East Tank	6-PIR00038-V_PV	ML					
29	020	West Tank	6-PIR00039-V_PV	ML					
30	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00040-V_PV	ML					
31	020	East Tank	6-PIR00041-V_PV	ML					
32	020	West Tank	6-PIR00042-V_PV	ML					
33	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00043-V_PV	ML					
34	020	East Tank	6-PIR00044-V_PV	ML					
35	020	West Tank	6-PIR00045-V_PV	ML					
36	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00046-V_PV	ML					
37	020	East Tank	6-PIR00047-V_PV	ML					
38	020	West Tank	6-PIR00048-V_PV	ML					
39	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00049-V_PV	ML					
40	020	East Tank	6-PIR00050-V_PV	ML					
41	020	West Tank	6-PIR00051-V_PV	ML					
42	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00052-V_PV	ML					
43	020	East Tank	6-PIR00053-V_PV	ML					
44	020	West Tank	6-PIR00054-V_PV	ML					
45	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00055-V_PV	ML					
46	020	East Tank	6-PIR00056-V_PV	ML					
47	020	West Tank	6-PIR00057-V_PV	ML					
48	020	COAGULANT (Ferric Sulphate) Cumulative Consumption	6-PIR00058-V_PV	ML					
49	020	East Tank	6-PIR00059-V_PV	ML					
50	020	West Tank	6-PIR00060-V_PV	ML					

Using PI DataLink® in Excel, you can create any report you want based on the data available in your PI database or from any other OLEDB database. Complex business logic can be created using MathIT Resultz (another package in the MathIT Suite) and embedded in Excel using PI Datalink®. MathIT ReportZ can be used to automatically generate Reports on a daily, weekly, monthly or yearly basis. Using the Reporting Framework, you can create high-value visualisation reports for your daily meeting.

Many ERP and Plant Management Systems require CSV files to be exported from the historian to enable effective data transfer. MathIT ReportZ is a powerful tool to easily maintain and automate this data transfer on a daily, weekly, monthly or even yearly interval. For example, you can easily generate a Run-hours report in Excel, using PI client tools like PI Datalink®, PI OLEDB® or external database systems, and have the results exported daily in CSV format to your Plant Maintenance system.



Equipment	Run Hours
Crusher Jaw Primary Jacques, Absolute, H, Ascending	42800
Crusher Cone Secondary, Absolute, H, Ascending	42086
Crusher Cone Tertiary No1, Absolute, H, Ascending	40065
Crusher Cone Tertiary No2, Absolute, H, Ascending	40652
Collector Fan Dust, Absolute, H, Ascending	44610
Fan Radiator Cooling Secondary, Absolute, H, Ascending	19384
Fan Radiator Cooling Tertiary No1, Absolute, H, Ascending	20444
Fan Radiator Cooling Tertiary No2, Absolute, H, Ascending	25427
Feeder Apron Primary PF1, Absolute, H, Ascending	34424
Feeder Vibrating Screen, Absolute, H, Ascending	36866
Feeder Vibrating Screen, Absolute, H, Ascending	36375
Magnet Tramp Iron Conveyor No6, Absolute, H, Ascending	28460
Pump Lubrication Secondary, Absolute, H, Ascending	34995
Pump Lubrication Tertiary No 1, Absolute, H, Ascending	33827
Pump Lubrication Tertiary No2, Absolute, H, Ascending	34097
Rockbreaker PF1, Absolute, H, Ascending	42618
Screen Double Deck Banana No1, Absolute, H, Ascending	40233
Screen Double Deck Banana No2, Absolute, H, Ascending	39849
Valve Rotary Dust Collector, Absolute, H, Ascending	47494
Conveyor Crusher Primary No4, Absolute, H, Ascending	37888
Conveyor Feed Secondary No1, Absolute, H, Ascending	38147
Conveyor Screen Feed, Absolute, H, Ascending	42015
Conveyor Crush Tertiary No1, Absolute, H, Ascending	41298
Conveyor U/size Screen No1, Absolute, H, Ascending	41487
Conveyor U/size Screen No2, Absolute, H, Ascending	41274
Conveyor U/size Screen No3, Absolute, H, Ascending	42047
Feeder Tertiary No1, Absolute, H, Ascending	30804
Feeder Tertiary No2, Absolute, H, Ascending	35774
Pump Seal Water Secondary, Absolute, H, Ascending	34874
Pump Seal Water Tertiary No1, Absolute, H, Ascending	35924
Pump Seal Water Tertiary No2, Absolute, H, Ascending	34354
Conveyor Fine Ore Bin No15, Absolute, H, Ascending	42152
Pump Thickener U/Flow No1, Absolute, H, Ascending	14247
Pump Thickener U/Flow No2, Absolute, H, Ascending	13800
Pump Bag Mill Discharge No1, Absolute, H, Ascending	19780
Pump Bag Mill Discharge No2, Absolute, H, Ascending	23145



MathIT ReportZ is based on simplicity, reliability and reprocessing capabilities. Reports can be easily reprocessed by simply changing the date of the last processed report. MathIT ReportZ will automatically reprocess every report required after the selected time. This means you can regenerate as many historical reports as you need in a matter of seconds.

Using the versioning system native to the PI Asset Framework®, you can mature your reporting infrastructure over time. By creating new versions of the AF elements holding ReportZ configuration, you can keep multiple versions of the same report to ensure that even after modification, old reports can still be historically re-generated to keep your records fully auditable.

If you'd like to know more about ReportZ, or any of the other products available in the MathIT Suite, please contact us at martin.thivierge@mathit.com.au