

meniscus

optimising the performance of process plant

Process Plant Monitoring Service

Meniscus provides a totally web based data performance monitoring service that allows customers to monitor and manage the cost and performance of assets anywhere in the world.

Our IPMS software provides a simple means to make full use of data held in existing databases to deliver Key Performance Indicators (KPI's) and cost information and deliver this information through a range of Performance Dashboards and web graphics.

IPMS combines data from these different databases and includes a very powerful real time calculation engine that calculates any process metric that you require. Users create their own calculations, set high/low limits, targets and a range of other features to generate process related alarms and alerts.

The IPMS website provides a number of Process Dashboards to provide a simple means to monitor cost and performance and with our new Web Services we can now develop Process Dashboards specific to your process and stream this data to you in real time, or as often as the raw data is sent to us.

By delivering this service over the web you have no need to invest in expensive 'stand alone' applications and you pay for how much you use the service. You can start small and then roll out the service throughout your organisation at a pace that suits you.

Service Description

Some of the key features behind IPMS include:

Monitoring of process costs. IPMS includes a range of algorithms to process raw data from a wide range of physical meter and instrumentation to calculate energy, water, chemical costs etc at a Process level. So whether you have data loggers, SCADA systems or manually read meters on site, IPMS has the capability to turn this data into added value information to help you optimise the performance of your assets.

'Real Time' monitoring of KPI's. The IPMS calculation engine power enables users to set up calculations using raw data from a range of different databases and to process these calculations at intervals from once per day down to 1 per second. The calculation engine is designed to handle data having different time intervals between each reading making it possible to use any numeric data from your existing energy management, SCADA, laboratory information systems and the like to derive relevant KPI's for your sites.

Benchmarking. The Meniscus web site makes the presentation and comparison of benchmarks for similar groups and assets very simple allowing ready identification of sites having either very good or very poor performance. Any number of assets groups can be set up and the new Performance Dashboard provides a way to quickly see the performance of an individual site against the average performance of all sites within that benchmark group.

Key Benefits include:

- Quick and easy to set up. No complex IT issues to consider. Totally web based.
- Flexible and scaleable. Use the service as little – or as much as you want.
- Great value for money. There is no software to buy, you pay for what you use

Examples of Processes monitored by IPMS

- Water and wastewater treatment plant
- CHP and sludge thickening/drying plant
- Industrial anaerobic reactors
- Blowers and compressors
- Oil de-sulphurisation plant

Meniscus Systems Ltd is an independent service business set up to maximise the value from data that companies already collect on a day-to-day basis.

Our service objectives are to help our customers reduce operating cost and operating risk by using data to calculate performance based information about their processes.

Meniscus Systems Limited

Unit B Huntingdon Business Centre, Blackstone Road, Huntingdon, Cambs PE29 6EF

T: 01480 433714 F: 01480 433715

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What is the cost of using IPMS?

For more information on cost and how to set up IPMS for your business then please go to our web site at www.meniscus.co.uk

What data does IPMS need?

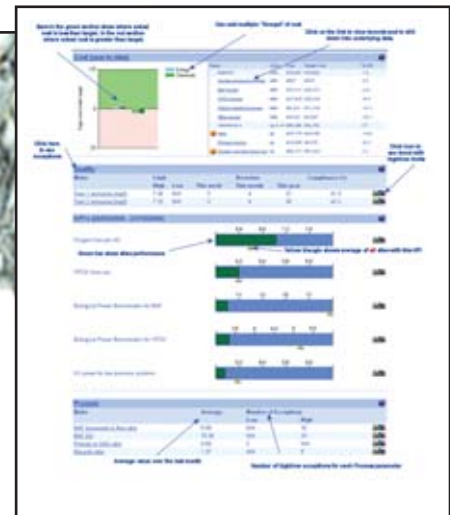
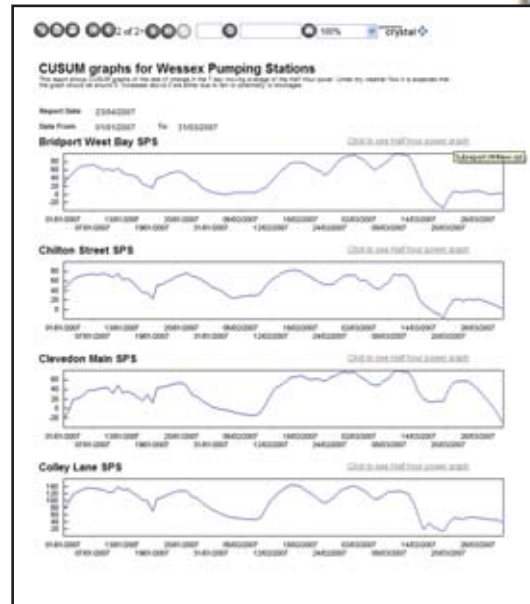
Data can be sent by e-mail or to our ftp server or we can pull data from your ftp server. Either way, data is automatically imported and calculated as soon as we receive it. Data files need to be in csv or txt format.

Our approach is to accept data formatted in the way that is easiest for you – we will adapt our systems to cope with your data.

How do you access the information?

The majority of information is displayed on our web site in a range of different formats.

- Performance Dashboard. Summarises Cost, Quality, KPI and Process information into a 1 page overview. Range of drill down options to view trends and the like.
- Process Dashboard. Shows 12 different performance KPI's on one page. Uses Statistical Process Control rules to identify increasing/decreasing trends before they exceed set limits.
- Management Reports. The site includes a range of management reports to display costs and performance information in a variety of graphs and tables. Additional reports can be generated depending on your requirements.
- Web based KPI and Linear trends. A number of analysis tools are available on the web site to enable users to drill down into the data.
- Web Services. Pushes data from our servers to your PC or to a custom built process dashboard developed specifically for your process.
- Auto-Excel update. An Excel spreadsheet is available that links to our servers and retrieves data quickly and easily without the need to login to the web site. Ideal for designing your own dynamic reports. Change the date for the import range, click the update button and your report is refreshed!



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