Dalkia Utilities Services select eSight® in a strategic move to a single M&T solution

Dalkia is one of the leading providers of energy and integrated facilities services to companies through the UK and Ireland. Established in the UK *for 35 years* they serve more than 40,000 client sites spanning commercial, industrial, retail, health and public sectors.

■ The Requirement

Dalkia offer a wide range of services spanning across facilities and energy management. From plant operation and support to energy bureau services including procurement and contract negotiation, invoice validation and consultancy; Dalkia cover it all.

Dalkia handle a large amount of energy data across an extensive array of client sites. This data includes half hourly metering data and information from Combined Heat and Power (CHP) control systems.

Dalkia required a two-fold solution that would enable them to:

- ■ Transfer the data from remote sites to one central location
- ■ Perform comprehensive analysis of the energy data

Dalkia chose eSight Energy's eTransfer product to enable them to transfer data between remote sites.

They selected eSight Energy's eSight energy monitoring and targeting suite for the analysis of energy data once transferred from client sites.

Dalkia also had a range of specific reports to be produced and automatically distributed on a regular basis.

■ The Solution

Dalkia needed to be able to transfer energy data from remote sites to a single central location for analysis.

eTransfer provides Dalkia with the ability to securely transfer both files and data between locations.

eTransfer has been configured to transfer data from remote client sites across the UK to a central eSight database every 30 minutes.

Through eSight, staff at Dalkia can perform comprehensive analysis of their client's energy data. This includes regression, deviation, CUSUM and baseload analysis in addition to league table analysis.

Dalkia use eSight for both standard graphical and tabular analysis of energy, and have developed specific operational reporting to meet the needs of the Customer and Dalkia.

Alarms can be configured to immediately report any anomalies in plant operation or energy consumption.

Staff are even able to receive these alarms via SMS text message to ensure they receive the notification as it occurs…..not after the event when it is often too late!

eSight also distributes complex bespoke client reports by email on a scheduled basis which have been designed using the eSight Report Designer.
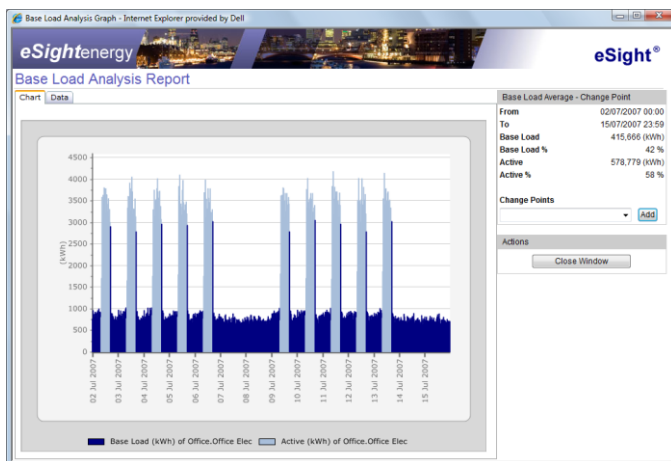
■ eTransfer Data Communications

eTransfer provides Dalkia with an enterprise wide communications infrastructure. This allows Dalkia to transfer energy data from many different systems such as Trend BMS and SCADA based control systems into one central eSight database.

eTransfer communicates data from Dalkia client sites using a variety of communications technology from Virtual Private Networks and dialup links.

Having many different communications options and the ability to take data from differing remote systems, was key to the success of the installation.

■ Architecture

eTransfer will run on many variants of Windows technology including servers, desktops and hand held devices.

eTransfer is able to transfer data from files, but also from many databases. The transfers can be configured to occur at regular intervals or when data has changed. Thus providing a powerful and flexible data transfer tool.

■ eSight aM&T

eSight provides Dalkia with the ability to organise and manage the day-to-day running of their clients' energy usage with ease and speed – and more importantly from one location, with one tool throughout the company.

Within eSight, client data is clearly sorted by operational unit and site for easy access. Users are then able to quickly navigate through to the relevant client data to run energy reports, analyse energy usage and much more.

The data can be viewed at any level – from several years worth of data, right down to ½ hourly information.

■ What Has This Meant For Dalkia?

Quite simply, the implementation of eSight and eTransfer has meant:

- Increased reliability and efficiency in data collection; less time spent collecting, more time spent analysing
- Instant notification of events with the automatic distribution of reports and alarms by email
- Greater flexibility in available analysis methods providing more comprehensive data for clients

This has all been delivered through an easy to use browser based user interface.

Never before have energy managers on client sites, regional offices or Dalkia head office been able to share energy data with such ease.

■ Security

Is the data transfer secure? Yes – the data is encrypted and only pre-configured sites are permitted to communicate with the central server.

■ About eSight Energy

eSight Energy specialises in the supply of *aM&T* solutions. Built upon the very latest Microsoft technology, eSight is our fully browser based energy monitoring and targeting suite.

eSight may be used in conjunction with other products from eSight Energy for the collection and transfer of data between sites.

Please contact eSight Energy if you would like to receive further information about eSight, data collection, data logging, meters, manual meter reading solutions, or pricing and licensing options for your organisation.

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