

Estate-wide Management – eFM

DEDICATEDEngines eFM is a proven, estate-wide remote monitoring and control solution for any, or all, of your energy, facilities, environmental and corporate compliance management needs.

It is customised on one universal platform, focussing on practical ways to:

- Improve efficiency, reduce costs, save energy and improve maintenance
- Provide management reporting, analysis and decision support tools and means of control



“We have been impressed by DEDICATEDEngines ability to provide a one-stop shop in the specialist area of remote monitoring and control solutions. The system has now been installed across hundreds of sites and the visibility it has afforded us compliments the transparent MA service we provide to our Clients.”

Andrew Wilkinson, Head of Managing Agent Business,
Asset Management, ATKINS

All in a unique, seamlessly integrated, flexible package, based on many years of DEDICATEDEngines technical experience, comprising:

- Integrated local and remote automated monitoring and controls
- A global reporting and analysis package – from site to estate
- On-site sensor, logging, control, BMS and comms hardware and legacy equipment connections
- Off-site centralised secure comms, database and web-server software
- A specialist fault reporting and alerting package.
- Automated meter reading (AMR) and automated monitoring & targeting (aM&T)
- Third party system inter-connectivity and data feeds
- The necessary project management, technical services, analysis and support.

Allowing corporate and estate managers and facilities, energy and environmental managers in large organisations to:

- Centrally control energy usage and reduce costs (proven cost savings of 30 to 40%) and directly monitor energy consumption
- Ensure cost-effective and efficient maintenance operation, inform personnel, feed helpdesks
- Manage the building environment and the wide variety of HVAC and other equipment and assets
- Globally report – from site to estate – and achieve CSR reporting, to meet EU and National compliance requirements
- Meet your specific requirements.

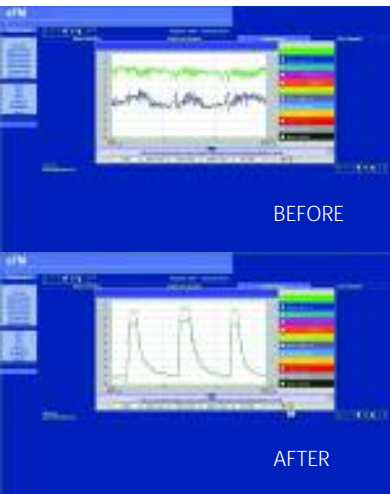
The system is suitable for a wide variety of corporate, commercial, government and institutional estates – from high street to head office – and can be used by clients, managers or maintainers. It is saving money on client estates now – and is quick and easy to implement – is non-intrusive – and connects to legacy systems.

DEDICATEDEngines has the experience and the solution to make it happen!

Reducing Energy Usage and Expenditure

- Proven energy bill savings of 30-40%
- Equivalent reductions in kWh energy usage and CO2 footprint
- Eighteen months payback
- Automated energy monitoring and controls
- On-going monitoring provides assurance of continued savings
- Economically and technically viable from small sites to large.

Rising energy costs are demanding close control of usage. DEDICATEDEngines eFM provides the capability to not only identify and monitor energy usage but also the automated means by which to control it.



Managing Assets for Efficiency & Productivity

- Save maintenance costs, eg. reduced re-visits
- Ensure service levels and reduce down times
- Improved HVAC equipment life cycle management
- Streamlined maintenance operation
- Feeds into helpdesk; earliest warning of malfunctions – faster, more informed/targeted response
- Move to pro-active maintenance regime; improved remote diagnostics – new insights
- Independent check of maintenance activities.



Environmental Management Enhanced

Environmental conditions at each site are enhanced and corporate standards are easier to apply – through the increased centralised visibility and control. The system also helps prevent conflict between site central cooling and heating plant and provides demonstrable and auditable profiles for each site.

“With the innovative technical solutions from DEDICATEDEngines we are achieving proven average energy savings of 34% per annum. The payback periods are very impressive and we now have systems in place that are enabling us to take our maintenance operations to another level.”

Alan Thompson, Head of Technical Services,
Asset Management, ATKINS

Capability

The DEDICATEDEngines eFM monitoring and control facility provides:

- An estate-wide overview – down to site level zones and equipment – showing status and efficiency level for a centralised 24/7 monitoring help desk
- Centrally set parameters including; adjustment of time schedules, smart controls, optimum start/stop, temperature limitation, seasonal shutdown
- An alarm and fault reporting capability, indicating failures or out of limits, with screen flags and notification by email and SMS text
- Historical status and performance data to help identify trends and assist in setting up appropriate maintenance regimes
- Ability to seamlessly add sites, equipment and control technology – expandable monitoring and control connections to, eg. BMS, lighting, lifts, fridges/freezers, kitchens/bars, keypads, access, footfall, UPS, fire and security alarm systems.

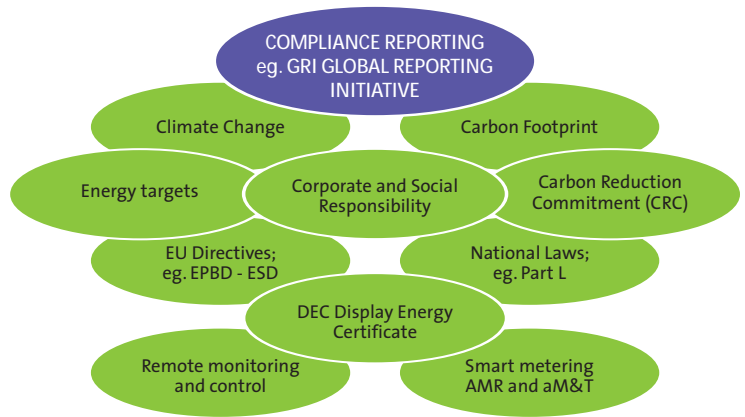


Corporate Compliance and Global Reporting

Large organisations are facing increasing requirements from global drivers, EU directives and governments for corporate compliance reporting and demonstration of management measures, eg. on energy usage.

Information on energy usage and costs, operational performance and any other requirements needs to be captured globally and reported centrally.

This information comes from a wide range of buildings, environments and equipment, for numerous variables.



Smart Metering, AMR and aM&T

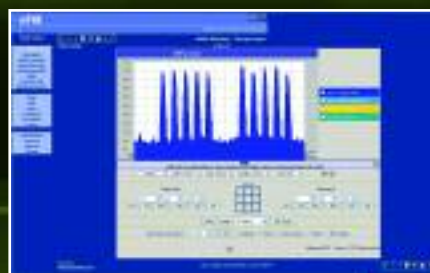
Electricity, gas and water meters can be connected for automated meter reading and smart remote utility monitoring.

This energy and resources usage data is fully available for correlation within the rest of the system.

Included within eFM is an aM&T (automated Monitoring and Targeting) package, as well as the capability to incorporate third party specialist aM&T and analysis packages.

DEDICATEDengines eFM includes an economically viable, estate-wide, real-time, solution for automatically collecting this data and disseminating the information to the people and systems that need it.

The system supports dynamic reporting for, eg. GRI (Global Reporting Initiative), at corporate level - down to real-time DEC (Display Energy Certificate) display at site level. This universal solution is fully scalable and can be paid for by energy savings.



Estate-wide Monitoring and Control

The DEDICATEDengines eFM system is suited for use on large estates, even including numerous small buildings.

At each site monitoring and control hardware is connected to sensors, energy using equipment and electric, gas and water meters.

Connections are made using direct wiring, wireless, ZigBee, Ethernet, MODBUS, LonWorks, BACnet, etc.

Existing/legacy BMS or other system infrastructures can be integrated into the overall eFM scheme.

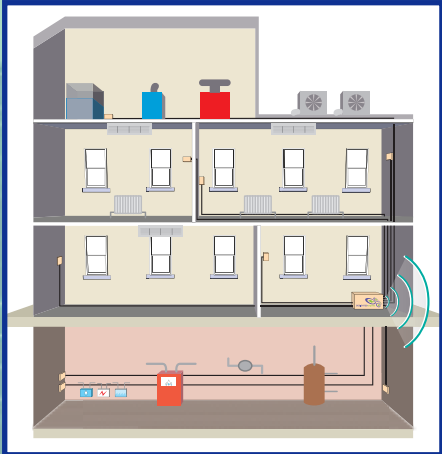
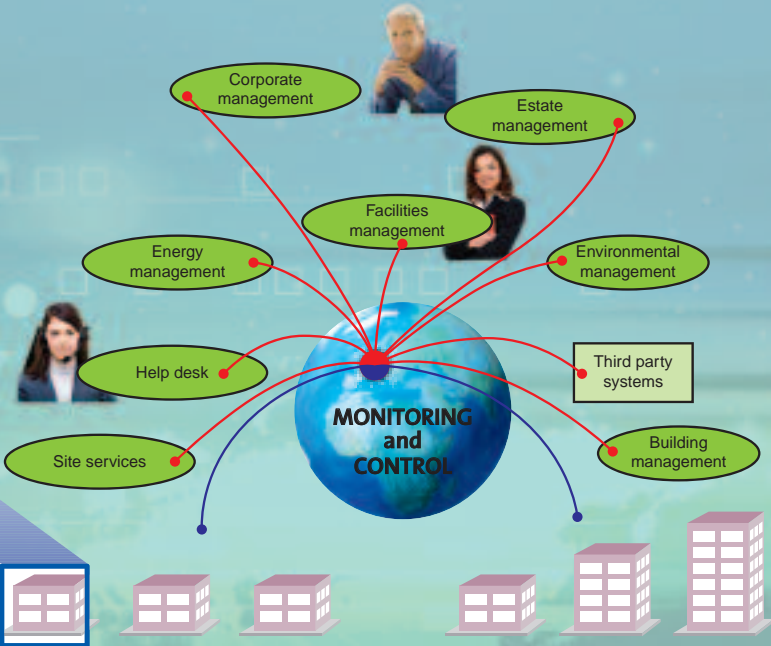
The operational data from the sites is transferred on demand or in real time, by GSM/GPRS, PSTN, WAN, to the eFM central secure server.

The eFM software then processes and presents the information to users across the web and automatically sends corrections/controls back to the sites.



eFM Solution

- Sensors, controls, smart-metering
- Real-time information, alarms
- Comprehensive web user package
- Reporting and presentation
- Analysis and aM&T
- Secure Internet communications



eFM Benefits

- Global visibility and control!
- Energy savings
- Improved maintenance
- Better environments
- Corporate compliance
- Universal BMS
- Estate-wide management
- From site to estate
- From high street to head office

DEDICATEDengines has become a leading supplier of remote monitoring and control solutions to national and multinational organisations. With extensive experience in industrial IT, web technology and telemetry they are well structured to be a substantial partner to large organisations looking to implement innovative solutions. DEDICATEDengines has the appropriate skills and resources to project manage and deliver Enterprise based solutions to large distributed clients across UK, Europe and further afield.

Aside from Estate-wide Management, DEDICATEDengines also provides

Bulk Supply Chain – eVMI Solutions

DEDICATEDengines supplies eVMI solutions to the raw materials sector of the Bulk Supply chain. All of them facing severe pressures in their business.

- Reducing prices and margins requiring the most cost efficient delivery process
- Increasing fuel and distribution costs
- Working time Directive forcing the optimisation of logistics and delivery
- Demand for first class customer service delivery

Industrial Plant and Process Management – eSCADA

To deal with the need

- To optimise the productivity of plant and minimise downtime
- To demonstrate compliance to regulatory requirements
- For centralised process management control of remote manufacturing and process plants

“DEDICATEDengines is dedicated to providing its clients with an independent strategic vision and a personal dedicated approach. DEDICATEDengines can work as well in partnership, be they an end user, systems integrator or managing agent”

Andy Butler, Managing Director, DEDICATEDengines



0208 854 2878

www.eeuk.net

