

Live Online Remote Monitoring for HEAT SYSTEMS

Biomass, Solar-Thermal,
Heat Pump and CHP Monitoring



logicenergy

LIVE MONITORING

TRACK AND ANALYSE
HEAT ENERGY SYSTEMS
TO OPTIMISE ENERGY USE
AND SAVE COSTS

TECHNICAL INFORMATION

MONITORING SYSTEM FEATURES

► Heat System Information

Acquisition of vital data for heat systems like: *heat output, total heat energy, export-temperature, return-temperature, CO2 offset, solar radiation W/m², kWh.*

► Reliable and Efficient Data Backup, Access and Management System

- Information accessible on any web browser enabled device such as pc, laptop, mobile phone and public displays.
- Online management systems employing multiple levels of hierarchy over multiple sites and management of clients' access level all from a single portal.
- Daily backup of data on SAS70 Type-II certified data centre.
- Native iOS and Android App access.

► Alerts and Controls for Monitoring

- Custom alerts and alarm conditions configuration, alerts emails and built-in alerts log-book.
- Global map installation monitoring, one simple view to see site location and status.

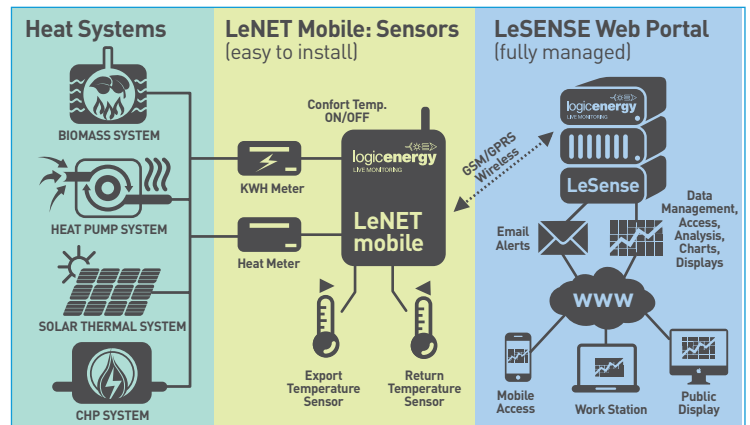


► Advanced Tools for Graphing, Charting, Analysis, Report generation and Display

- Advanced graphing and charting reporting tools such as custom date/time period selection and average intervals.
- Data analysis and comparison tools for evaluating system performance, comparing various parameters of heat system and generating data reports like heat energy reports.
- Heat system **efficiency** and data can be **compared** and analysed against data from **multiple sites**.

LeNETmobile

LeNETmobile is connected to the heat system using heat meters and optional sensors for advanced monitoring like temperature sensors, kWh meter, and solar radiation sensor.



SYSTEM REQUIREMENTS

LeNETmobile	Monitoring hardware, 10 minutes frequency updates.
GSM/GPRS SIM	Active m2m GPRS data SIM, 10MB per month (works worldwide on GSM networks).
Power Supply Unit	Mains or solar powered: 6Vdc to 12Vdc
Heat Meter	Meter with pulse output, i.e. 1 imp per 0.1 kWh. Call us for more info.

OPTIONAL SENSORS FOR ADVANCED MONITORING

Export Temperature Sensor	Analogue temperature sensor Visit shop.logicenergy.com for detailed options.
Return Temperature Sensor	Analogue temperature sensor Visit shop.logicenergy.com for detailed options.
kWh Meter (electricity meter)	Energy meter 1-phase/3-phase with pulse output. (Typically 1000 imp/kWh pulse rate for highest resolution).
Solar Radiation Sensor	Analogue pyranometer Visit shop.logicenergy.com for detailed options.

www.logicenergy.com

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