Energy Monitoring

MOBiUS® FLOW

ESOS Phase 4 - Better energy decisions start with connected data.



Enabling the true value of digital connectivity

Visit **www.mobiusflow.com** to learn more about our solutions and find an approved provider near you.

MOBiUS® FLOW

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Understanding the Energy Savings Opportunity Scheme.



The Energy Savings Opportunity Scheme (ESOS) is a mandatory UK energy assessment scheme for qualifying large organisations.

Designed to encourage greater energy efficiency, ESOS requires participating organisations to assess their energy consumption, identify opportunities to reduce waste and report their findings.

Phase 4 covers the 2023–2027 compliance cycle, with a qualification date of **31 December 2026** and a notification deadline of **5 December 2027**, according to the supplied campaign material.

Who does it affect?

- ESOS generally applies to UK organisations that meet one or more of the following criteria:
- Employ 250 or more people.
- Have an annual turnover exceeding £44 million and an annual balance sheet total exceeding £38 million.
- Are part of a corporate group containing a UK undertaking that meets the qualification criteria.

ESOS carries significant financial penalties for organisations that fail to comply

Daily penalties are capped at 80 working days, meaning a failure to undertake a required audit could attract up to £90,000 in financial penalties. Separate breaches may attract separate penalties. The Environment Agency can also publicly identify non-compliant organisations.

The chart below gives an idea of the penalties:

Non-compliance	Maximum financial penalty
Failure to submit compliance notification	£5,000 + £500 per working day
Failure to undertake a required energy audit	£50,000 + £500 per working day
Failure to maintain required records	£5,000 + potential enforcement costs
Providing false or misleading information	£50,000
Failure to comply with an enforcement notice	£5,000 + £500 per working day

Connect your energy data. Understand your buildings.

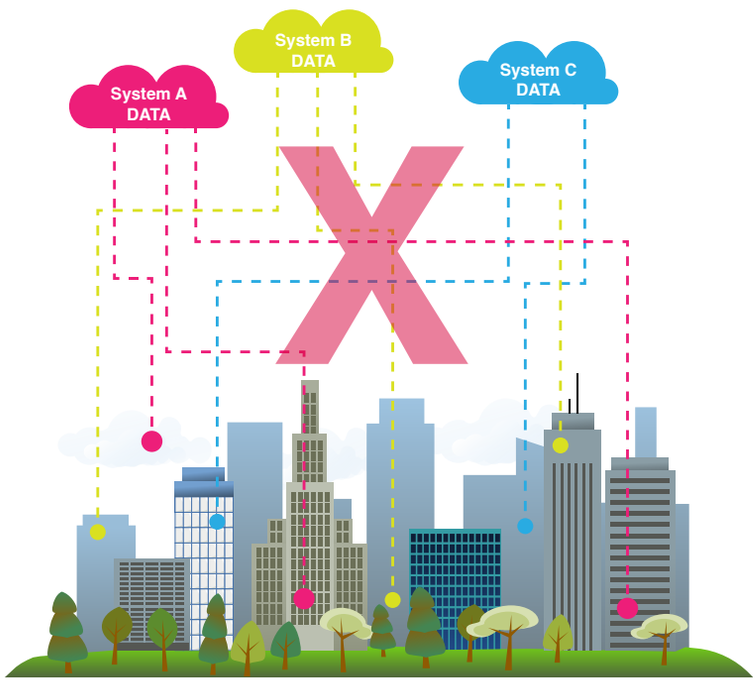
Turn fragmented building energy data into meaningful insight, more effective energy management and a foundation for continuous improvement.

From energy reporting to measurable improvement.

What does ESOS require?

Qualifying organisations must assess their energy use, identify energy-saving opportunities and complete the required assessment and reporting process.

ESOS also includes requirements relating to action plans and progress reporting, encouraging organisations to consider how identified opportunities translate into measurable improvements.



A fragmented network of disconnected energy meters, building management systems, sensors and spreadsheets, illustrating the complexity of collecting and combining building energy data.

Better energy decisions start with connected data.

Large organisations face increasing pressure to understand energy consumption, identify inefficiencies and demonstrate progress towards energy-saving objectives.

ESOS Phase 4 provides an opportunity to move beyond periodic assessments and establish a more consistent approach to energy management.

However, many organisations still struggle with fragmented information spread across multiple buildings, systems and suppliers.

The problem

Energy data often exists in isolation. Meters, building management systems (BMS), sensors and spreadsheets may all contain valuable information, but bringing it together can be complex and time-consuming.

Without a consistent view, organisations can struggle to:

- Understand energy consumption across multiple sites.
- Identify unusual consumption and avoidable waste.
- Compare building performance.
- Measure the impact of energy-saving initiatives.
- Maintain consistent evidence for reporting.

The data is already there. The challenge is connecting it.



Connect the data you already have with MobiusFlow

MobiusFlow provides the technology foundation for connected energy management.

By integrating existing meters, building management systems and compatible IoT sensors, MobiusFlow brings fragmented information together into a consistent, accessible data layer.

This enables organisations to monitor consumption, analyse trends, configure alerts and make energy information available to reporting and management platforms.

One platform. Multiple systems. Connected data.

Connect: Integrate meters, BMS, sensors and existing building technologies. Convert different protocols and data formats into consistent information.

Control: Apply rules, thresholds and automation where appropriate.

Communicate: Deliver data to dashboards, reports, alerts and third-party applications.

MobiusFlow is vendor-agnostic, enabling organisations to work with existing infrastructure while introducing additional monitoring where needed.

Start with one building. Scale across your estate.

Every building is different, but the challenge of connecting and understanding all of data is often the same.

MobiusFlow provides a scalable technology platform that can be deployed across individual buildings, multiple sites or entire property portfolios.

One connected platform. A clearer view of your entire estate.

Built for existing infrastructure

MobiusFlow supports integration with a wide range of building technologies, protocols and data sources, reducing the need to replace functioning systems.

Consistent information across sites

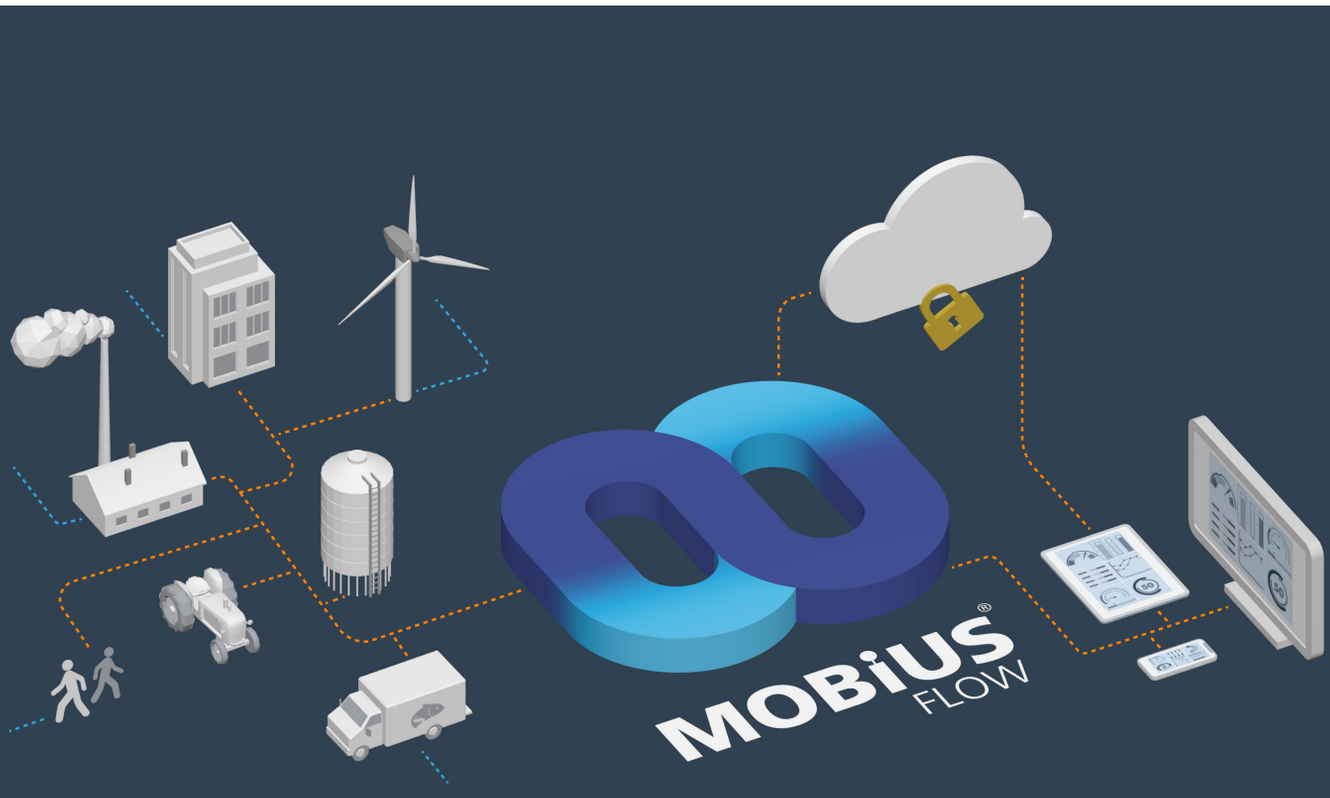
By normalising information from different systems, organisations can establish a more consistent approach to monitoring and comparing building performance.

Expand as requirements evolve

Start with the data already available, introduce compatible sensors where necessary and extend monitoring to additional buildings over time.

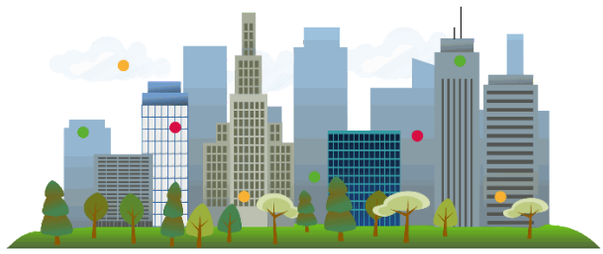
Designed for continuous improvement

Reusable integrations, dashboards and configuration models help organisations establish a repeatable approach to connected energy management.



Broad Markets and Applications

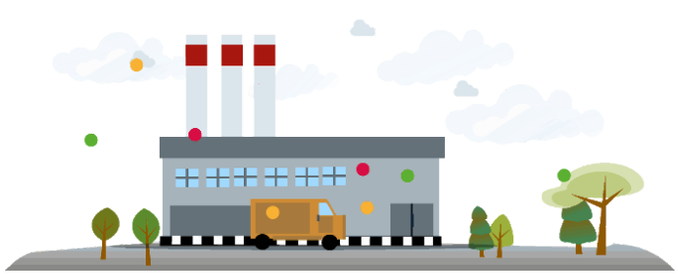
Smart Buildings / Campus
- Office occupancy
- Energy monitoring
- Air quality
- Smart parking
- Lighting control
- Facilities management
- BMS integration



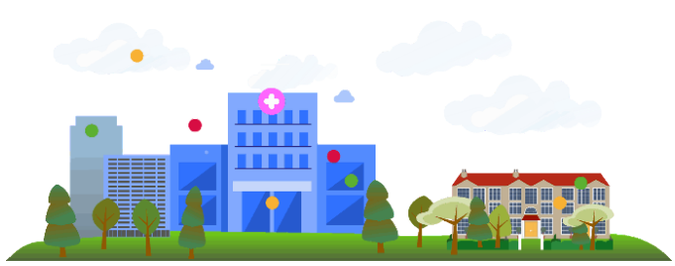
Environmental / Agriculture
- Outdoor air quality
- Noise and vibration monitoring
- Soil quality
- Silo level monitoring
- Water quality and levels
- Pollution levels



Smart Manufacturing / Production
- Predictive maintenance
- Vibration alerts
- Condition monitoring
- Anomaly detection
- Error detection
- Asset tracking
- Health and safety



Healthcare / Assisted Living
- Alert monitoring
- Room occupancy
- Patient tracking
- Cleaning schedules
- Maintenance and compliance
- Critical asset tracking



Mining, Oil and Gas Operations
- Remote machine monitoring
- Site safety
- Asset tracking
- Predictive maintenance
- Energy consumption
- Environmental conditions
- Facilities management



From Compliance to Continuous Improvement

ESOS Phase 4 presents an opportunity for organisations to move beyond periodic energy assessments and adopt a more proactive, data-driven approach to energy management. MobiusFlow provides the technology foundation, bringing together existing meters, building management systems and compatible sensors into a unified platform. By transforming fragmented data into actionable insights, organisations can better understand consumption patterns, identify inefficiencies and make informed decisions that improve performance across individual buildings and entire estates.

Working alongside our partners and system integrators, MobiusFlow supports the delivery of scalable Digital Energy Assurance solutions, combining connected technology with automated monitoring, analysis and reporting. This enables organisations to track improvements, demonstrate measurable savings and maintain auditable evidence to support ESOS compliance. From a single building to a global property portfolio, MobiusFlow helps reduce operational costs, maximise the value of existing infrastructure and support long-term sustainability objectives.

Find out more

visit **www.mobiusflow.com** to find one of our approved solutions providers or contact us directly:

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MOBiUS®
FLOW

Connect, Control, Communicate

Visit **www.mobiusflow.com** to learn more about our solutions and find an approved provider near you or contact us directly via email: **info@mobiusflow.com** or telephone:

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