

Green building: understanding energy performance challenges

Socomec's energy efficiency experts give you the solutions

Energy price volatility, environmental **regulations** and rising expectations for **low-carbon performance**... Buildings must evolve quickly. This overview has been prepared by Socomec to outline the core challenges shaping today's smart and **energy-efficient buildings** and give them actionable solutions.

Your challenges

The solution

Use data to drive measurable improvements

- **Collect and measure precise data** from new or existing installations (multi-site).
- **Centralise, visualise and analyse energy consumption.**
- **Ensure full interoperability with BMS/EMS** to leverage more insights and smart optimisation.

Turn compliance into performance

- **Establish transparency.**
- **Deploy monitoring systems** that can meet EPBD and EED requirements and deadlines.
- **Aggregate data** from multiple sites.
- **Use MID-certified meters** for fair billing and sub-billing.

Enable energy autonomy and EV charging

- **Integrate renewables** and **battery energy storage system (BESS).**
- **Store surplus energy production** and release it when needed.
- **Deploy accurate, site-wide metering** to capture real-time energy data.
- **Manage flexibility** to reduce grid dependency and support EV charging.

Source: Socomec – Energy Performance & Building insights