



**EPOCH
TECHNOLOGIES**

**Optimising Hotel Performance
Through Data-Driven
Energy Audits**





Being Australian-based and operated, we specialise in manufacturing tailored, end-to-end solutions across the hospitality, education and healthcare sectors.

We locally design, manufacture and support solutions made specifically for clients needs. We combine software and hardware, working around our clients existing operations to deliver cost-effective solutions that integrate into their existing structure.

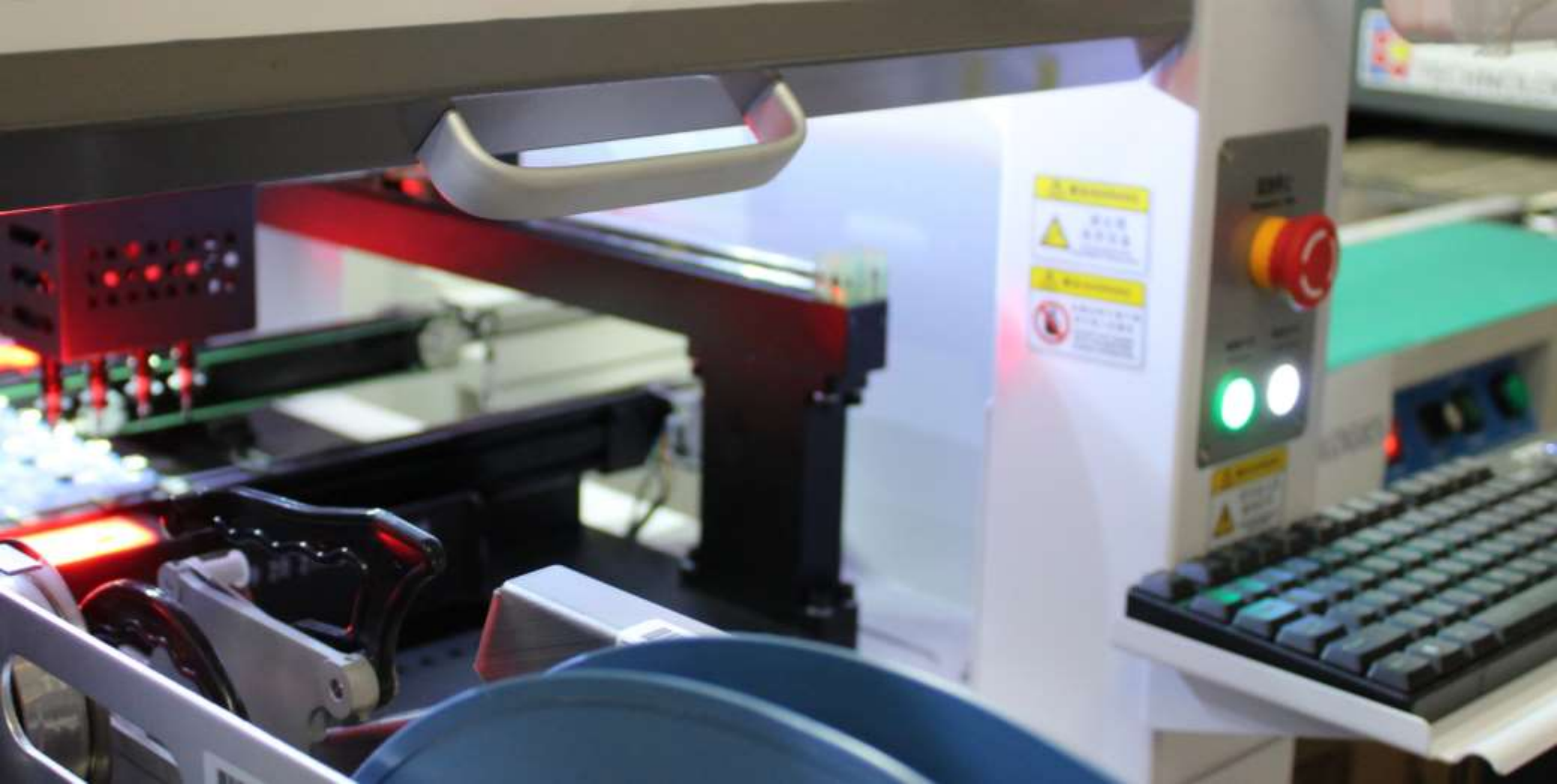
Our difference

About us

With a legacy dating back to 1983, **Epoch Technologies** embodies an unwavering commitment to innovative excellence. As an emerging leader in innovative hospitality solutions and more than 40 years experience, **Epoch Technologies** has successfully deployed Australian-made software and hardware solutions across a range of market sectors.

Being an end-to-end solutions provider, customer service and support are integral components across all stages of our projects – from consulting through to solution delivery and ongoing support.





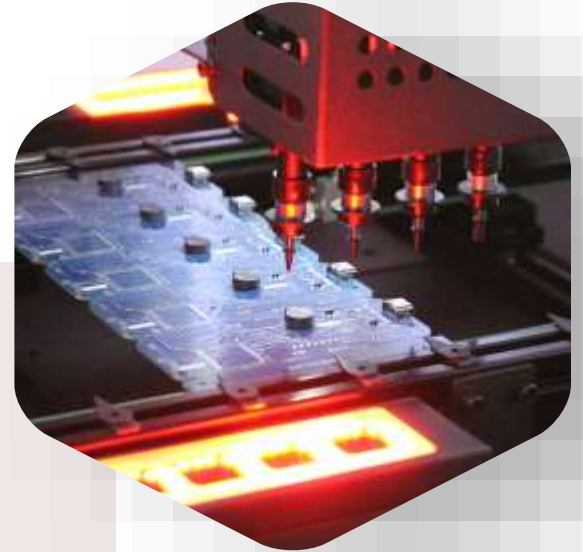
Locally Designed and Manufactured
Solutions & Support



EPOCH TECHNOLOGIES

Based in Australia, **Epoch Technologies** is a local solutions innovator designing, engineering and manufacturing customised intelligent automation and energy management solutions. We have our very own advanced manufacturing facility located in Melbourne that facilitates the production of our locally engineered solutions.

With three in-house R&D divisions of expert engineers and scientists, our solutions are all locally produced and supported. Ongoing client satisfaction is a core concept which is exemplified through our existing client referrals ultimately negating the need for any form of advertising over our proud 40+ year history in Australia.



Made in Australia



Our sectors

Hospitality

EPOCH Technologies' Enterprise Hotel Management System (EHMS) enables the hospitality sector to implement sustainability across new and existing buildings with an emphasis on ROI, whilst enhancing the guest experience.

Education

Our Energy Management System (EMS) optimises energy usage in university student accommodation units.

Healthcare

Our Air Quality Monitoring solution provides real-time adaptive and automated control of air management within buildings based on pre-defined user policies. **EPOCH Technologies'** Rhythm platform is a Remote Resident Health Monitoring (RRHM) solution providing remote, real-time monitoring of patients, residents and outpatients.





Optimising Hotel Energy Use with Data-Driven, Smart Meter Audits



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What is an Energy Audit?

An energy audit is a detailed evaluation of your facility's energy usage, designed to uncover inefficiencies and identify opportunities for cost savings. It serves as the critical first step toward improving performance, reducing operational costs, and meeting your sustainability targets.

By assessing key systems such as HVAC, lighting, and plant equipment, an audit reveals where and how your energy is being used, and where it can be optimised. This data-driven process delivers actionable insights, helping you implement targeted solutions to reduce consumption, boost efficiency, and future-proof your operations.

At **Epoch Technologies**, we offer three levels of tailored energy audits for commercial buildings and hospitality venues, each designed to meet your specific goals, whether you're seeking foundational improvements or in-depth optimisation.

Benefits of an Energy Audit

Tier 1: Foundational Audit

Identify Inefficiencies and Immediate Improvements



Reduce operating costs.

- Walkthrough assessment of the facility to identify energy inefficiencies.
- Identification of key energy-consuming systems and inefficiencies
- Analysis of utility bills (12–24 months) and consultation with site personnel.
- Immediate low-cost improvement opportunities (e.g., lighting retrofits, thermostat adjustments).
- Summary report with high-level recommendations and energy-saving estimates.

Ideal for: Facilities seeking a rapid, low-investment assessment to uncover early-stage savings.





Tier 2: Smart Audit

Data-Driven Insights with Targeted Strategies



Automated building property savings.

- All Tier 1 inclusions.
- Detailed energy consumption analysis by system or area.
- On-site temporary metering of critical equipment for accurate data collection.
- Cost-benefit analysis of energy-saving opportunities.
- Prioritisation of recommendations with estimated implementation costs and savings.
- Report with actionable strategies and ROI estimates.
- Cost-effective installation using our Centrello wireless technology. Easily integrates into existing building infrastructure while minimising disruption and installation costs.

Ideal for: Facilities ready to take informed action, based on real-time performance data.

Tier 3: Performance Audit

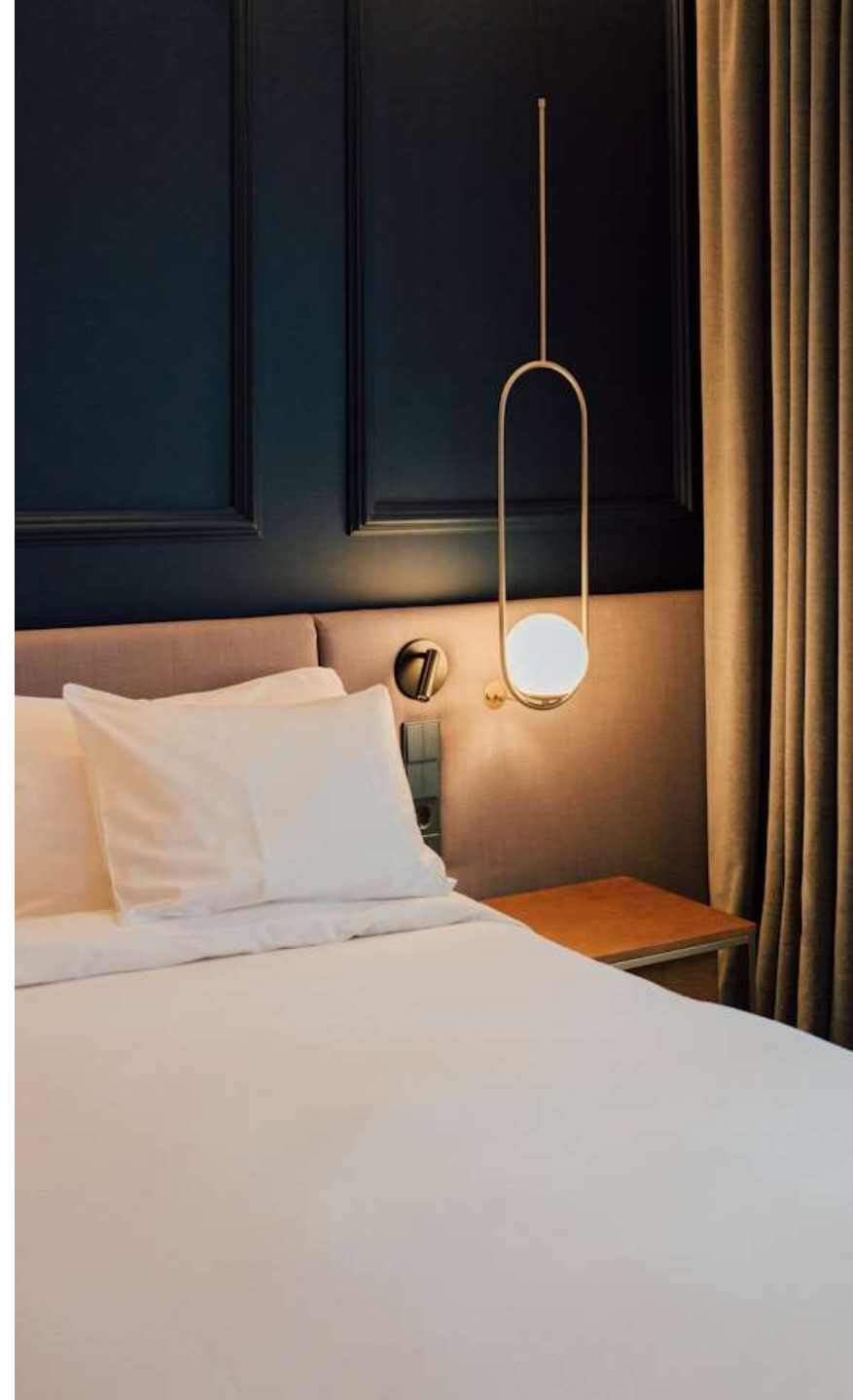
Full Optimisation and Future Planning



Optimise Building Performance.

- All Tier 1 and Tier 2 inclusions.
- Detailed analysis of building systems (HVAC, etc.)
- Advanced metering and sub-metering for granular data collection.
- Energy modelling and simulation under different scenarios to predict savings.
- Technical and financial viability for significant upgrades or new technologies.
- Support in developing an energy management plan.
- Comprehensive report

Ideal for: Facilities aiming for peak operational efficiency, sustainability certification, or major infrastructure upgrades.



Centrello Property Meters

EPOCH Technologies' range of Centrello property-level water and energy meters enable remote, automated and real-time monitoring of property energy and water usage, ensuring sustainability targets are frequently monitored. Centrello property meters seamlessly integrate existing property infrastructure, without requiring complex or costly installation.

Centrello property meters integrate directly into the Lunarix platform and can provide real-time alerts of water leaks, or potential spikes in energy usage.



Property Meters

Centrello Water Meter

- Synchronised real-time water meter with Lunarix integration
- Non-contact measurements allows installation without supply disconnection
- Cost effective and simple implementation with wireless communication



Centrello Energy Meter

- Real-time 3 phase energy meter
- Monitor existing plant remotely through Lunarix platform
- Integrated display with real-time measurements
- Identify energy consumption issues with plant and equipment across property
- Wireless communication

CONTACT

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