

Optimising Building Performance at Waverley Library

CASE STUDY

Introduction

Waverley Library in Bondi is one of the highest energy-consuming facilities within Waverley Council's portfolio. Concerns around system functionality and energy performance highlighted the need for a structured, independent review of the building's BMS and HVAC systems.

Conservia was engaged to assess system performance and identify opportunities to improve efficiency, reliability, and long-term operational outcomes.

Challenge

Waverley Library required a detailed review to address concerns around system performance, operational limitations, and energy efficiency. As the highest energy-consuming building in the Council's portfolio, the site required a clear understanding of existing system gaps and a pathway to improve performance without disrupting operations.

IMPROVING ENERGY PERFORMANCE AT WAVERLEY LIBRARY

Client Outcome

Conservia delivered a comprehensive review of Waverley Library's BMS and HVAC systems, identifying opportunities to improve performance, reliability, and future asset planning.

- ✓ Operational risks and system limitations identified
- ✓ Upgrade opportunities evaluated and prioritised
- ✓ Future investment and asset planning supported



Improving long-term asset performance through informed planning

Core Services Provided

Conservia delivered an independent advisory and performance assessment focused on identifying system limitations and improvement opportunities. Key services included:

- Independent BMS and HVAC system assessment
- Energy performance evaluation and advisory
- Site inspections and stakeholder consultation
- Identification of operational risks and system limitations
- Development of a structured improvement roadmap



Independent Advisory



Performance Evaluation



Clear Roadmap

Key Solutions

The project delivered targeted technical insights and recommendations to improve system performance, including:

- Detailed analysis of BMS and HVAC system performance
- Identification of control gaps and inefficiencies
- Recommendations for system optimisation and upgrades
- Prioritised short- and long-term improvement actions
- Clear roadmap to enhance energy performance and reliability

Conclusion

By delivering a comprehensive, independent assessment, Waverley Library gained a clear understanding of system performance and improvement opportunities.

The project demonstrates how a structured, data-driven review can identify risks, optimise performance, and support informed decision-making for long-term asset improvement.

