

ENHANCING HEATING EFFICIENCY AT THE MUSEUM OF ROYAL WORCESTER

PROJECT DETAILS

Client

Museum of Royal Worcester

Completed

July 2024

Oakland Business Line

Replace aging boiler systems with energy-efficient models, safeguarding delicate porcelain artifacts

Objective

Energy efficiency and visitor comfort

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THE MUSEUM OF ROYAL WORCESTER, RENOWNED FOR HOUSING THE WORLD'S LARGEST COLLECTION OF WORCESTER PORCELAIN, REQUIRED AN UPGRADE TO ITS HEATING SYSTEM TO ENSURE A COMFORTABLE ENVIRONMENT FOR VISITORS AND TO PROTECT ITS VALUABLE EXHIBITS. THE EXISTING BOILERS WERE OUTDATED AND INEFFICIENT, NECESSITATING A MODERN SOLUTION THAT COULD BE IMPLEMENTED WITHOUT DISRUPTING DAILY OPERATIONS.

Implementation

In partnership with Worcester Bosch, Oakland Air Control Ltd. undertook the project to revamp the museum's heating infrastructure. The plan involved:

- **Installation of Two Condens 7000 WP Boilers:** These high-efficiency boilers were selected for their compact design, making them ideal for the museum's limited plant room space.
- **Customized Control Package:** Oakland Air Control implemented a tailored control system to optimize boiler performance and energy usage.
- **Seamless Integration:** The installation was meticulously planned to avoid any interruptions to the museum's daily activities, ensuring visitors continued to enjoy the exhibits without inconvenience.





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Outcomes

- **Improved Energy Efficiency:** The new boilers have significantly reduced the museum's energy consumption, leading to lower operational costs.
- **Enhanced Visitor Experience:** Consistent and comfortable indoor temperatures have improved the overall ambiance of the museum.
- **Artifact Preservation:** Stable environmental conditions are crucial for the preservation of porcelain artifacts, and the new system provides the necessary climate control.
- **Community Collaboration:** The project exemplifies successful cooperation between local businesses, reinforcing a shared commitment to preserving Worcester's cultural heritage.

Conclusion

This project highlights Oakland Air Control Ltd.'s expertise in delivering efficient, non-intrusive heating solutions within heritage settings. By collaborating closely with Worcester Bosch and the Museum of Royal Worcester, the team ensured the museum's operations remained uninterrupted while achieving significant improvements in energy efficiency and visitor comfort.

