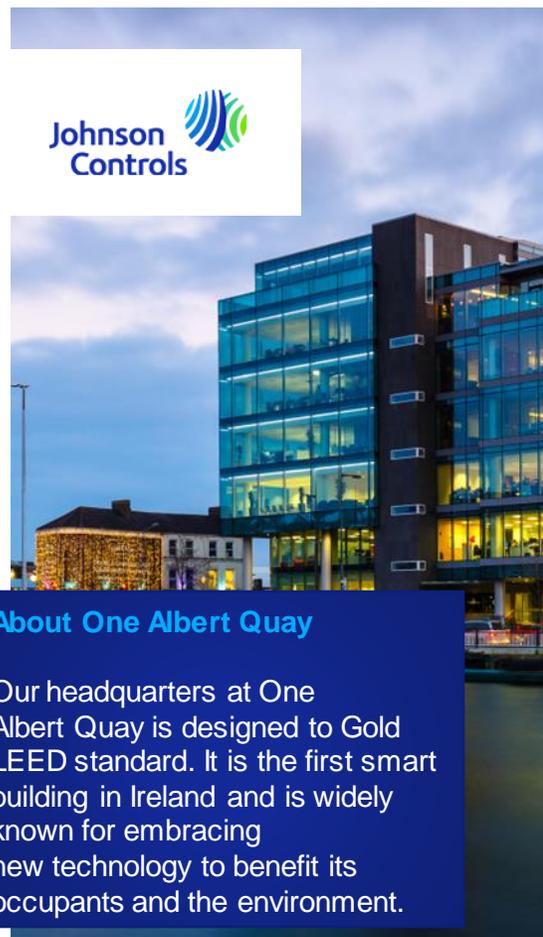


Johnson Controls Headquarters – Cork, Ireland

Our global headquarters is a LEED gold certified building leading by example with effective space utilization, minimized energy consumption and optimized equipment performance



Challenge

- Johnson Controls global headquarters to become a pioneer in smart buildings by optimizing occupant experience, safety and security, and sustainability
- OpenBlue technology and its suite of connected solutions to serve as a showcase for the blueprint of the future for smart buildings and to demonstrate the impact from the insights gained and the value generated

Solutions

Johnson Controls OpenBlue technologies delivered:

- Optimized space performance through insights into space utilization
- Energy audit and advisory delivering insights and recommendations
- Measurement, monitoring and evaluation of progress toward carbon emissions and net zero energy goals
- Green Hub kiosk screens in the building to highlight carbon goal accomplishment for occupant awareness
- Automated equipment fault detection and diagnostics to optimize comfort, reduce costs and ensure operations continuity
- Seamless workplace experiences for occupants, such as space booking, navigation, phone as badge and comfort controls

Results

- **Reduced energy usage by 45%** - approximately **2,500 kwh per month** - through lighting optimization in unoccupied rooms
- Energy savings around **\$12,000 per year** and approximately **0.4 MT CO2e per month** – a significant improvement for a **LEED gold building**
- **Reduced energy consumption** and increased asset performance through data driven HVAC and lighting control strategy
- **Certified zero waste**, which prioritizes environmentally conscious waste collection, treatment, and disposal, meeting the stringent waste management standards of Johnson Controls' global sustainability program
- Defined a roadmap to net zero through an energy audit
- Delivered a more comfortable and efficient heating and cooling control strategy based on occupancy trends and patterns
- Living laboratory for customers and visitors to experience