

# CORAL LEISURE CENTRE WICKLOW

WICKLOW, IRELAND

RECREATION

## ENERGY MONITORING

The Coral Leisure Centre is located in Wicklow, about a 40-minute drive from south of Dublin, Ireland. The facility has a 25-meter deck level swimming pool and a 9-meter learner pool, along with a sauna and a steam room. It also offers a fully equipped gymnasium and an aerobics studio.

## PROJECT DETAILS

Reliable Controls Authorized Dealer, LCS Control Systems, completed this project for the Coral Leisure Centre in Wicklow, Ireland, updating the building's air handling system and adding monitoring for gas and electricity usage.

The building management system (BMS) controls the HVAC for the centre. The temperature and humidity levels in the swimming pool and changing areas are controlled to maintain the required setpoints through the air handling units' fan speeds, heating valves, and mixing dampers. Air velocity sensors are also mounted in the supply and return ducts to ensure that the required air changes per hour are maintained.

Gas and electricity meters are monitored to record the energy usage of the building, with alarms to show when the energy usage goes above the normal levels. A combination of line and bar graphs are used to display the information to the staff.

The MACH-ProWebSys controller allows staff to access the BMS through their web browsers. MACH-Stat and MACH-ProView controllers are installed for local monitoring and adjustments. External access to the system is also available to the staff for offsite monitoring.

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**PROJECT TYPE:**  
Retrofit

**INSTALLATION TYPE:**  
Air Handling, Utility Metering

**EQUIPMENT INSTALLED:**  
MACH-ProWebSys™  
MACH-Stat™  
MACH-ProView™  
MACH-ProZone™

**INTEGRATION:**  
BACnet®

**NETWORK:**  
EIA-485, Ethernet/IP

**RELIABLE CONTROLS® DEALER:**  
LCS Control Systems



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