

CORAL LEISURE CENTRE

WICKLOW, IRELAND

INTRODUCTION

Coral Leisure Centre in Wicklow, south of Dublin City, has a 25-meter swimming pool, a 9-meter learner pool, a sauna and steam room, and a fully equipped gymnasium and offers exercise classes and swimming lessons for community members of all ages.

PROJECT DETAILS

Reliable Controls Authorized Dealer [LCS Control Systems](#) upgraded the building automation system at Coral Leisure Centre during a retrofit project, updating the facility's air-handling system and adding monitoring for gas and electricity.

The temperature and humidity levels in the pool and changing areas are carefully controlled to maintain setpoints using fan speeds, heating valves, and mixing dampers. Air-velocity sensors on the supply and return ducts are used to maintain the required air changes per hour.

Gas and electricity meters are monitored to record energy efficiency, with alarms to show when energy use exceeds normal levels. A combination of line and bar graphs indicate this information to staff. A MACH-ProWebSys controller allows facility managers to access the building automation system over the internet.

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MARKET SEGMENT

Recreational

PROJECT TYPE

Retrofit

INSTALLATION TYPE

HVAC

TOTAL AREA

1,080 m² (11,625 ft²)

PROTOCOL

BACnet

INSTALLED EQUIPMENT

1 MACH-ProWebSys™ controllers

2 MACH-ProZone™ controllers

8 MACH-Stat™ controllers

5 SMART-Sensor™ LCD devices

10 SPACE-Sensor™ Temperature devices

RC-RemoteAccess® software

RC-GrafxSet® software

TOTAL SYSTEM OBJECTS

1,100

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