

## 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 m<sup>2</sup> (11,625 ft<sup>2</sup>)**

#### 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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