

SANIBEL RECREATION CENTER

SANIBEL, FL, USA

RECREATION

OVERVIEW

Sanibel is an island and city in Lee County, Florida. The 12-mile long barrier island, connected to the mainland by a causeway, is a draw for tourists in search of beautiful beaches and opportunities to explore the region's rich ecosystem. Sanibel Recreation Center offers aquatics, fitness and wellness activities, youth programs, tennis, special events, and certification courses such as first aid and babysitting.

PROJECT DETAILS

Reliable Controls Authorized Dealer United Mechanical successfully installed a MACH-System™ during a retrofit of the Sanibel Recreation Center.

The MACH-System consists of a MACH-ProWebCom controller connected using BACnet MS/TP to a MACH-Pro2 and two MACH-ProZone controllers. RC-RemoteAccess provides a secure, flexible BACnet Virtual Private Network (B/VPN) for operators to access the building's mechanical equipment, which includes a dual chiller plant with volume pumps and two chilled-water air handling units for the gymnasium.

United Mechanical updated existing constant-volume chilled-water air handling units with variable-frequency drives and devised a single-zone variable air volume control system.

Before the renovation, building operators struggled to control humidity and temperature in the gym. This issue was resolved with the implementation of the MACH-System, and the facility's kWh energy consumption improved—to the tune of 30 percent, or approximately \$2,000 per month in electrical costs.

The flexibility of the MACH-System enabled United Mechanical to easily integrate new and existing electrical and mechanical equipment. Reliable Controls and United Mechanical are pleased to have worked on this project to provide Sanibel Recreation Center with efficient operations and significant energy savings.

To learn more about projects using Reliable Controls, visit
www.reliablecontrols.com/projects/overview



PROJECT TYPE

Retrofit

TOTAL AREA

12,896 ft² (1,198 m²)

INSTALLATION TYPE

Chiller, HVAC

EQUIPMENT INSTALLED

1 MACH-ProWebCom™ controller
1 MACH-Pro2™ controller
2 MACH-ProZone™ controllers
RC-RemoteAccess®

NETWORK

EIA-485, Ethernet

PROTOCOL

BACnet

BACNET

Dual chiller plant, AHUs, VFDs, VAV

POINTS

35

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DEALER**

United Mechanical Inc.

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