

ELKHART HEALTH & AQUATICS CENTER

ELKHART, INDIANA, USA

OVERVIEW

Elkhart Health & Aquatics Center is a large recreational facility that serves Elkhart and surrounding communities with a state-of-the-art health and fitness center focused on wellness and medical solutions, a first-class regional aquatics center for the public that also supports high-school programs and regional competitions, and a community center with a flexible meeting space, a gymnasium, and open gathering spaces. The facility houses one of the largest pools in the United States.

PROJECT DETAILS

Reliable Controls Authorized Dealer OJS Building Services installed a Reliable Controls system in the new Elkhart Health & Aquatics Center in Indiana.

OJS implemented a MACH-ProWebSys controller with MACH-ProPoint expansion modules, a MACH-ProCom controller, MACH-ProAir controllers with actuators and flow sensors, and MACH-ProZone controllers to manage six rooftop units, a boiler, water circulation pumps, and a variable air volume system. Not only does the new building automation system precisely control the indoor environment, it also controls the temperature in the Olympic-size pool, therapy pool, teaching pool, and whirlpool, which features innovative, energy-efficient underwater LED lighting.

Following 3 years of design and construction, Elkhart Health & Aquatics hosted 55 event days in the first 6 months after opening, and with Indiana considered a swimming hotbed in the United States, Elkhart has raised the bar in terms of what is possible for a swimming facility.

"This project only happened due to a group effort," says the facility's aquatics director. Reliable Controls and OJS are proud to have been part of this effort.

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MARKET SEGMENT

Recreation

PROJECT TYPE

New construction

TOTAL AREA

15,886 m² (171,000 ft²)

INSTALLATION TYPE

Boiler, fan-coil unit, HVAC, variable air volume

EQUIPMENT INSTALLED

69 MACH-ProAir™ controllers

5 MACH-ProCom™ controllers

11 MACH-ProPoint™ Input/Output expansion modules

1 MACH-ProWebSys™ controller

8 MACH-ProZone™ controllers

NETWORK

EIA-485, B/VPN, WAN

PROTOCOL

BACnet

POINTS

475

RELIABLE CONTROLS AUTHORIZED DEALER

