

SIHAI CHINATOWN

XI'AN, SHAANXI, CHINA

INTRODUCTION

The Sihai Chinatown complex is a large tourism and cultural center in Xi'an, China, that integrates open commercial street, a centralized shopping mall, boutique hotels, office buildings, a metro station, and apartment buildings. The complex includes nine buildings, five Chinese arches, and three sunken squares in a four-section design that fuses concepts of global modern architecture with Chinese tradition.

PROJECT DETAILS

Authorized Dealer Xi'an SENGE Electric Co., Ltd. installed a Reliable Controls building automation system during construction of Sihai Chinatown.

Strategically distributed MACH-ProSys and MACH-ProCom controllers expanded with MACH-ProPoint modules are connected via BACnet/IP and host MS/TP networks for more than a hundred MACH-ProLight and MACH-ProZone devices that control the center's lighting and mechanical equipment.

Facility managers use RC-Archive and RC-Reporter to monitor energy consumption and improve operational efficiency. RC-Studio provides operators with a flexible, easy-to-use engineering tool that integrates Reliable Controls and third-party devices into one graphical user interface. This suite of Reliable Controls software is ideal for the complexities of a large project like Sihai Chinatown.



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MARKET SEGMENT

Retail

PROJECT TYPE

New construction

INSTALLATION TYPE

HVAC, lighting

TOTAL AREA

190,000 m² (2,045,142 ft²)

PROTOCOL

BACnet, Modbus

INSTALLED EQUIPMENT

35 MACH-ProCom™ controllers
20 MACH-ProLight™ controllers
15 MACH-ProPoint™ Input expansion modules
51 MACH-ProPoint Input/Output expansion modules
3 MACH-ProSys™ controllers
95 MACH-ProZone™ controllers
RC-Archive® software
RC-Reporter® software
RC-Studio® software

INTEGRATED EQUIPMENT

YORK chillers, McQuay air-cooled heat pumps

POINTS

2,300

RELIABLE CONTROLS AUTHORIZED DEALER

Xi'an SENGE Electric Co., Ltd.

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