Authorized Dealer

# Amazon Bangalore

Project Profile

Market segment
Corporate

Location
Bangalore, Karnataka, India

Total area
55,742 m² (600,000 ft²)

Installation type
HVAC

Protocol
BACnet

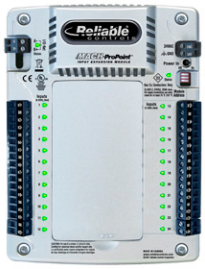
Total system objects
2,100

Project type
New construction

Installed equipment

1 MACH-ProWebCom™ controller

5 MACH-ProCom™ controllers



5 MACH-ProPoint™ Input expansion modles

2 MACH-ProZone™ controllers

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[Amazon] operates 60 fulfillment centers across 15 states in India and employs tens of thousands throughout the country. In 2010 Amazon opened one of its first office spaces in India, located in the World Trade Center (Brigade Gateway) in Bangalore. The World Trade Center is 30 floors in height, of which Amazon occupies 18 and can accommodate approximately 5,300 employees. [Amazon Bangalore] features a cafeteria, mother's rooms, phone booths, locker rooms, quiet rooms, a recreation room, wellness rooms, a mailroom, and inclusive restrooms for personnel.


Authorized Dealer [Alaska Engineering Solutions Pvt. Ltd.] installed a complete Reliable Controls system in the World Trade Center building in Bangalore, India.

The Reliable Controls system consisted of a powerful MACH-ProWebCom BACnet Building Controller (B-BC), as a web server networked with five MACH-ProCom controllers and two MACH-ProZone controllers, each with eight inputs and four outputs to operate the facility. Additionally, five MACH-ProPoint expansion modules helped complete the network.

Through the Reliable Controls system, the facility team could monitor and control the astounding 267 variable air volume units directly controlled by 40 differential pressure transmitters, 40 energy meters, and 32 electrical panels. In an effort to provide optimal indoor air quality for the occupants, 20 $CO_2$ sensors were spaced over the 18 floors to provide readings for comparison and improve energy efficiency.