04

Eliminate the need for hardware-based controllers by running the software on Neeve's Managed Secure Edge

Why

Problem	Solution
High-touch, outdated security, locked data are common issues faced by customers running hardware-based BMS controllers	**Run a JACE controller software as an edge application on the Neeve node**

Expensive troubleshooting methods: Maintenance of hardware-based controller requires physical access, requiring site visits, labor costs, and downtime

Potentially out-of-date security posture: Hardware-based controllers require deliberate security patching and could fall out of date

Difficult to extract operational data: Extracting real-time building data from hardware-based controllers for analytics and energy management applications, could be challenging.
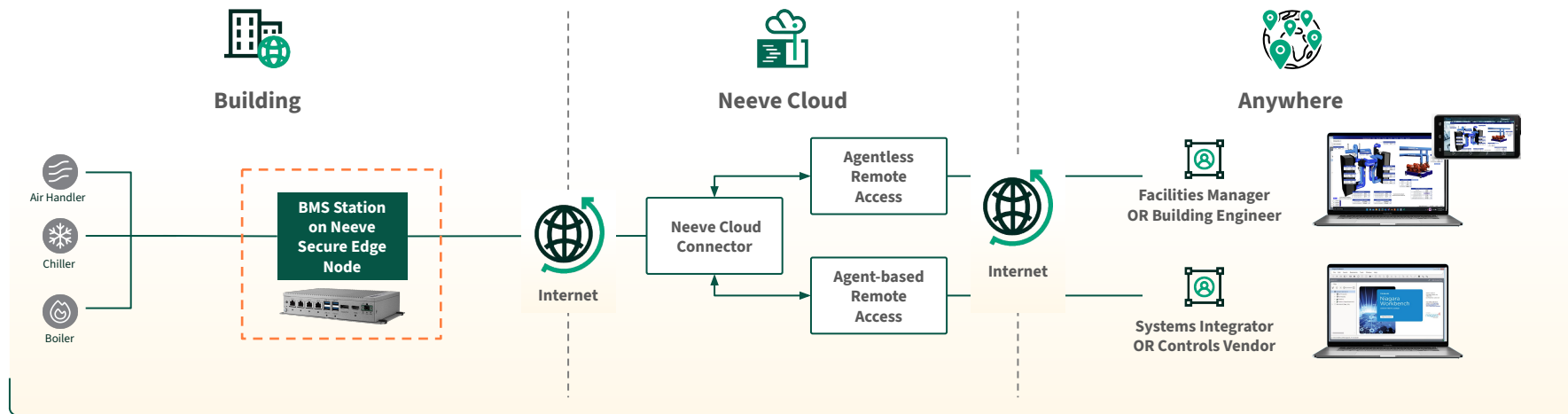
Two-in-one system: No longer requires two hardware components – The JACE and the Neeve node

Secure remote access: Automatically have secure remote access to the JACE software controller

Security posture always up-to-date: Benefit from Neeve's cyber security capabilities built into the solution

Cloud hosted supervisor for additional flexibility: If desired, run the BMS Supervisor in the cloud and completely virtualize your BMS

How It Works: BMS Station on Neeve Secure Edge for Secure, Low Latency Access from Anywhere

Building

Air Handler

Chiller

Boiler

BMS Station on Neeve Secure Edge Node

Internet

Neeve Cloud

Neeve Cloud Connector

Agentless Remote Access

Agent-based Remote Access

Internet

Anywhere

Facilities Manager OR Building Engineer

Systems Integrator OR Controls Vendor

Benefits

1

Agentless Remote Access
Just open a web browser, login and click on a tile to securely access Web Graphics or Commissioning Application

2

Zero-Trust Security
Granular access down to the device level. Connects the right user to the right device in the right building

3

Simplified User Management
Easy to add users and assign privileges based on role (vendor, FM, Building Engineer, etc.). Single-sign-on can integrate with your internal identity provider

4

Expand access to additional OT systems
Lighting, Access Control, Video Surveillance, Elevator, etc.