

PEAK+

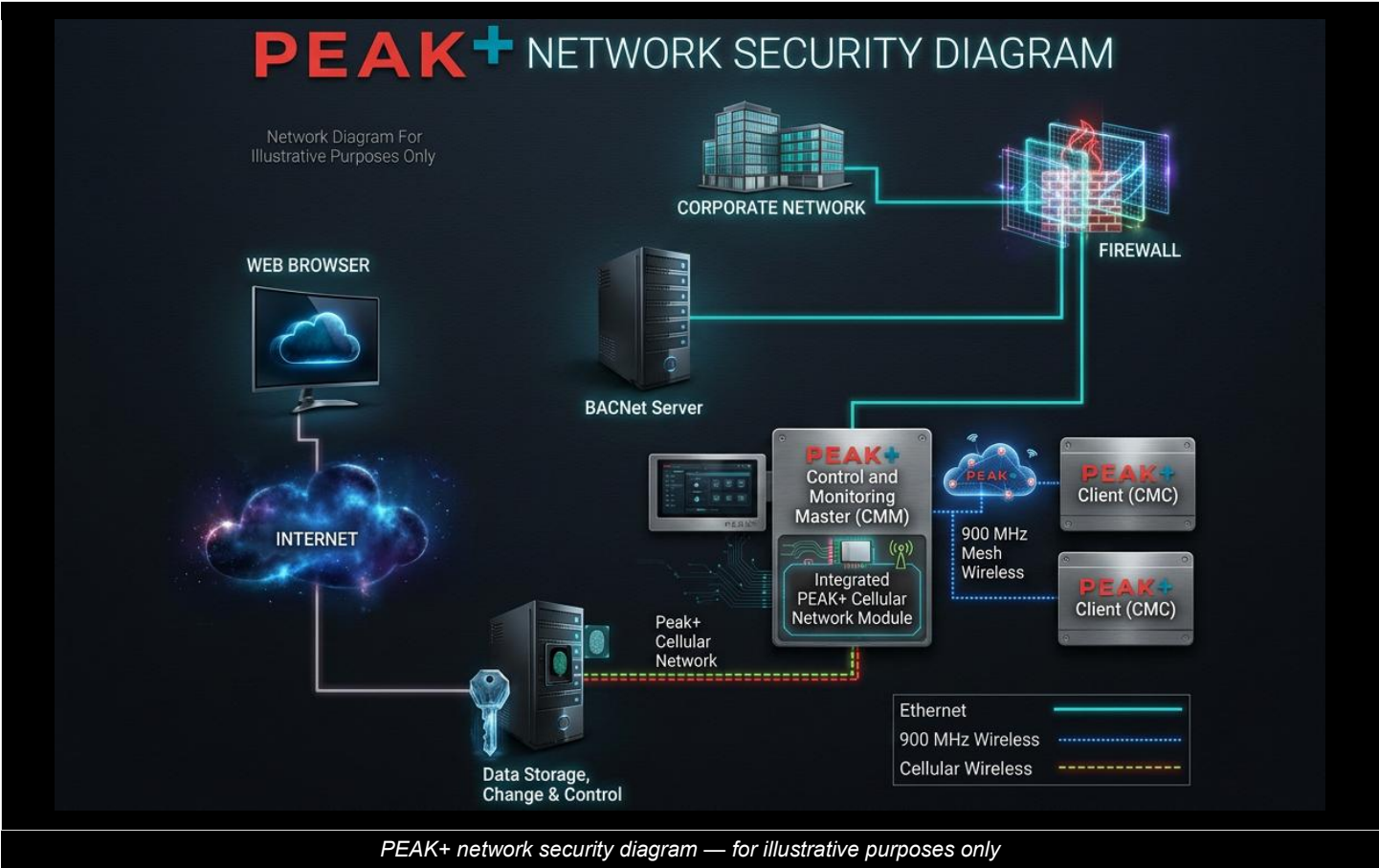
Network Security Diagram

EC0088 Rev. A

Performance Monitoring & Control
System architecture overview

OVERVIEW

The PEAK+ Performance Monitoring & Control System connects field-deployed controllers to a manufacturer-hosted cloud service through layered, segmented network paths. The diagram below shows how the Control & Monitoring Master (CMM), its Client controllers (CMC), and the supporting servers communicate — and where each communication boundary sits. The system is designed so that monitoring and control data reaches the cloud over a dedicated path that is isolated from the building owner’s corporate network.



COMMUNICATION PATHS

Local mesh 900 MHz wireless (CMM ↔ CMC)	Backhaul Private cellular network
Building integration Ethernet — BACnet server	Corporate boundary Firewall-segmented
Cloud Data storage, change & control	User access Web browser over the Internet

Legend: solid = Ethernet · blue dashed = 900 MHz wireless · green dashed = cellular wireless.

Security Notes

- **Path isolation** — the CMM reaches the cloud through a private cellular connection that does not traverse the owner's corporate LAN.
- **Firewall segmentation** — any connection between the corporate network and on-site equipment passes through the building firewall.
- **Optional BACnet integration** — where building-automation integration is required, data is exchanged with a BACnet server over Ethernet.
- **Managed cloud** — data storage, change, and control are handled by the manufacturer-hosted service; users view data through a password-protected web browser session.

For network-integration questions or a site-specific architecture review, contact:

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Network diagram for illustrative purposes only; actual topology varies by site. © PEAK+. All rights reserved.