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Enable Energy Management and Analytics Solutions using Neeve's end-to-end secure tunnels to access building data

Why

Problem

Buildings have disparate OT systems that generate copious amounts of data that remain locked on premises

Locked OT data: This data can can provide a unified view of all their building operations, help optimize energy costs, etc.

Insecure data access methods: Unlocking data from these systems on premises and sent to the cloud for storage and processing is a challenge, due to security concerns

Lack of edge intelligence: VPN based solutions don't provide edge infrastructure to perform data normalization and contextualization prior to sending to the cloud
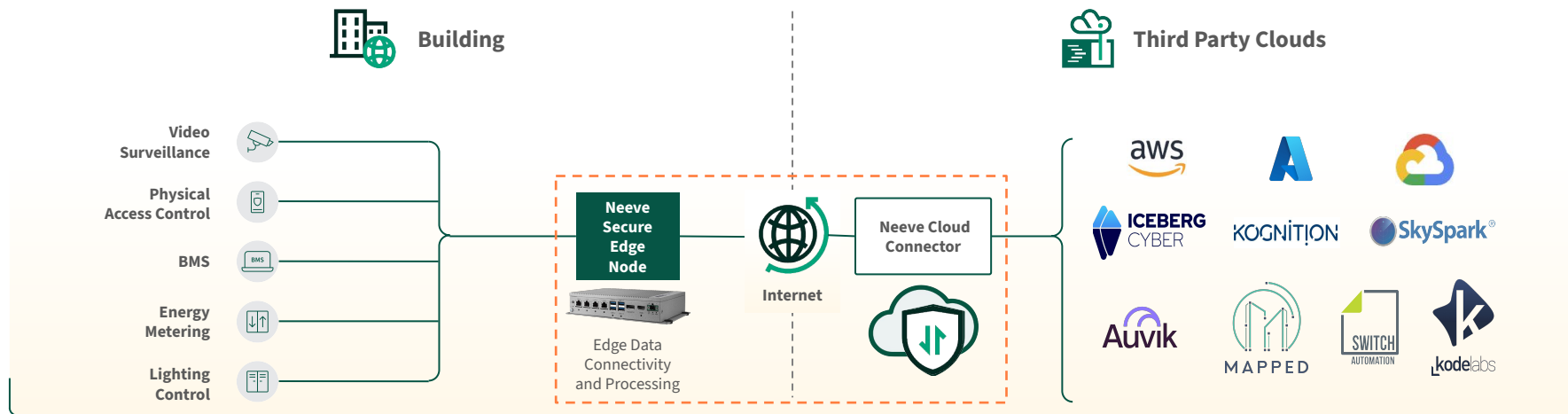
Solution

Neeve provides the ability to easily setup a secure, real-time, bi-directional data pipeline between your premise and cloud infrastructure

Secure remote access: allows cloud-based systems to retrieve data from various OT systems, across multiple buildings

Edge compute capability: enables any vendor to run their containerized edge applications to seamlessly integrate with on-premise OT systems, perform local data processing

Secure end-to-end tunnel: enables data pipelines to pull/push data to a third-party cloud platform

How It Works: Analytics Solutions using Neeve's end-to-end secure tunnels to access building data

Building

- Video Surveillance
- Physical Access Control
- BMS
- Energy Metering
- Lighting Control

Neeve Secure Edge Node

Edge Data Connectivity and Processing

Internet

Neeve Cloud Connector

Third Party Clouds

aws • Azure • Google Cloud • ICEBERG CYBER • KOGNITION • SkySpark • Auvik • MAPPED • SWITCH AUTOMATION • kodelabs

Benefits

1 **Secure remote access** for cloud-based systems to retrieve data from various OT systems, across multiple buildings

2 **Edge compute capability** enables any vendor to run their containerized edge applications to seamlessly integrate with on-premise OT systems, perform local data processing

3 **Secure end-to-end tunnel** creating a data pipeline to push data to a third-party cloud platform