

TOSIBOX® generates ease, security and savings for a building automation system integrator

OTI Pro utilizes TOSIBOX® to connect servers to provide continuous connections



OTI is a U.S.-based master systems integrator that connects building systems to protect data, inform business decisions, create efficiencies and enhance user experience.

Challenge

OTI is currently integrating a series of new building constructions in Mexico City for an ambitious developer and property manager. Most advanced controls today are IP-connected, and those IP addresses change frequently. Having dedicated public IP addresses in Mexico is expensive, typically upwards of \$500 per month. And changing IP addresses can be difficult for Cisco-type IT systems to handle. Adding a layer of complication, since OTI is a U.S.-based company, it needed secure, remote access to all of the building's control systems.





Solution

To solve the security and connectivity issues the OTI team came up against in Mexico City, the MSIs utilized various TOSIBOX® products. The TOSIBOX® Virtual Central Lock is installed in OTI's cloud environment to provide the highest level of secure VPN access for building data to transfer to the Tier 4 datacenter, which contains distributed servers for redundancy, failover and additional security measures. The TOSIBOX® Virtual Central Lock also allows for agility and scalability as building data grows with building occupancy.

Also in the Mexico City building projects, OTI is using TOSIBOX® Lock 200s as endpoints for secure remote connections. Devices throughout the integrated building management system connect into the Lock 200s and can then be securely accessed over the Internet through a safe VPN. Finally, TOSIBOX® Key 200s are used to complete the secure cycle of connection between building automation devices, computers and datacenters.

Security

In addition to the ease of use, Tosibox provides award-winning cyber security for OTI and their customers at a level previously unseen in the building automation industry. From end-to-end communication to two-factor authentication, no fixed or public IP address and the latest encryption technology, Tosibox provides a complete cybersecurity solution for the OTI customer base. Finally, BAS integrators can connect buildings with cyber-security confidence and ease.

Benefits

- Routine maintenance can now be done remotely, reducing transportation costs of sending OTI technicians to Mexico City.
- OTI is providing the most secure solution available to clients.
- Network availability and up-time has been excellent.

“TOSIBOX® has allowed our team to work faster and more securely across international lines. Before using TOSIBOX® products, we were sending technicians to Mexico City once or twice per quarter just for routine maintenance. Now we can do all of that remotely without exposing our client or their data to any security threats, and we only have to transport technicians in cases of major problems, which thankfully hasn't happened yet. The product line is versatile and up-time has been excellent.”

Brian Turner, President,
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