BENEFITS

INTELLIGENT riser

A DIVISION OF MONTGOMERY TECHNOLOGIES

An enterprise-class, base building systems network

PROVEN

• The most installed building systems network in the world.

• Installed in hundreds of high-rise buildings nationally.

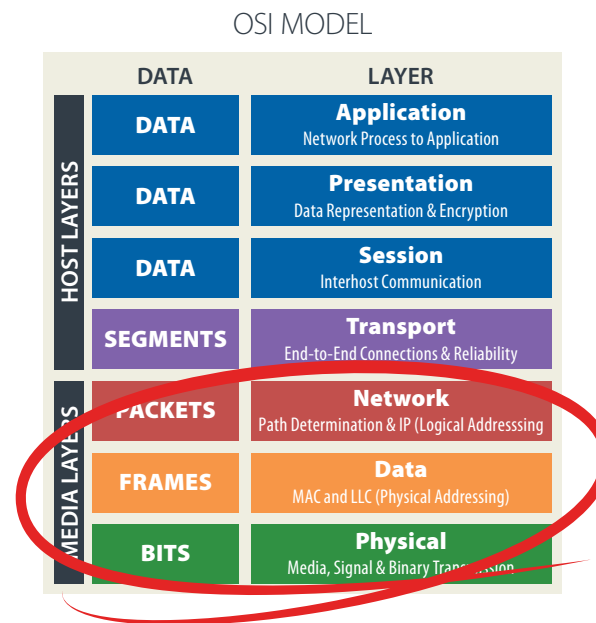• In use with every major building systems vendor.

SECURE

• Employs enterprise-class networking equipment and design principles.

• Installed in high-rise buildings for over ten years with zero cyber intrusions.

• Millions of cyber attack attempts prevented each month.

• Optimized security for building systems.

MONITORED

• 24x7x365 Network Operations Center (NOC) monitoring allows for immediate response, as well as a proactive approach to cyber threat containment.

• Ensures all equipment is functioning and performing correctly.

• Network is monitored down to the port level to ensure end-point device functionality.

• Monitoring of OSI stack layers 1, 2 and 3 (Physical, Data, and Network layers) ensures no data access or packet content visibility.

OSI MODEL

DATA	LAYER
DATA	**Application** Network Process to Application
DATA	**Presentation** Data Representation & Encryption
DATA	**Session** Interhost Communication
SEGMENTS	**Transport** End-to-End Connections & Reliability
PACKETS	**Network** Path Determination & IP (Logical Addresssing)
FRAMES	**Data** MAC and LLC (Physical Addressing)
BITS	**Physical** Media, Signal & Binary Transmission

HOST LAYERS / MEDIA LAYERS

MAINTAINED

• Includes all firmware and software updates.

• White label and black label IP addresses.

• Rapid equipment replacement in event of failure.

• Service Level Agreement (SLA) ensures performance and uptime.

SCALABLE AND EXTENDABLE

• Supports new building system installations/ upgrades of any type or size.

• Seamlessly extends to support all moves, adds, and changes - to a standard.

• New connections provisioned with a phone call or email.

AFFORDABLE

• Opex savings: reduction in the number of internet circuits.

• Capex savings: new systems connect to existing network equipment.

• Lower cabling costs: new systems/upgrades require significantly less labor and material - no vertical cabling required, new devices are simply connected to nearest switch.

THE FOUNDATION OF A SMART BUILDING

• Enables and maintains the reliable communication required for a Smart Building.

• Secure remote access significantly reduces non-approved access and employee turnover liability.

• Infrastructure in place for all future technology implementations (e.g., ESG-related, tenant amenities, 5G, FDD).