



Building Automation Systems

# Project Profile

Health Care

## Lehigh Valley Hospital and Health Network – depending on Tri-M and Andover Controls since 1990



Based in Allentown and Bethlehem, Pa., Lehigh Valley Hospital and Health Network is comprised of Lehigh Valley Hospital — Cedar Crest & I-78, Lehigh Valley Hospital — 17th & Chew, Lehigh Valley Hospital — Muhlenberg and Lehigh Valley Health Services, which includes home health, hospice, rehabilitation, pharmacy, durable medical equipment and health management.

Advanced regional resources at these non-profit hospitals include a Level I Trauma Center with added pediatric qualifications, as well as burn, kidney transplant, prenatal/neonatal, cardiac and cancer care. LVH is one of Pennsylvania's largest teaching hospitals and is a major teaching campus of Penn State's College of Medicine.

LVH started as Allentown Hospital in 1899. It is one of the largest and oldest licensed teaching hospitals in Pennsylvania.

Tri-M Building Automation Systems installed the first Andover Controls system in 1990 and has expanded/upgraded the systems on an ongoing basis ever since. The system integrates all aspects of the hospitals critical environments and special conditions from the OR, the Burn Center to the kitchens.

Tri-M uses the Andover Infinity family of Controllers at the Cedar Crest Hospital complex. At the same time in the Muhlenberg Hospital complex the latest Andover Controls technology has been implemented – the Cyberstation head end with the Continuum family of controllers.



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### PROJECT AT A GLANCE:

**Project Type:**

HVAC

**Project Name:**

Lehigh Valley Hospital and Health Network

**Location:**

Allentown, PA

**Market Segment:**

Health Care

**Number Of Buildings:**

20

**Total Area:**

1+ million sq.ft.

**Equipment Installed:**

- 21 Air Handling Units
- 94 pt Chiller Plant
- 12 Heat Exchangers
- 1057 Dual Duct Terminals
- 246 VAV Boxes

**Network:**

Dedicated Ethernet LAN

**Applications:**

- Temperature and humidity control
- Utility monitoring and reporting
- Lighting control

**Third-Party Equipment and/or Drivers:**

Kele, Square D, Allen Bradley, General Eastern, Ashcroft, Parker VIP, Siebe, Veris, Belimo, Carrier

**Total System Points:**

20,000+ (HVAC)

**Total System: Investment:**

\$4.8+ million