



## CASE STUDY

### INDUSTRY: **HEALTHCARE**



**CUSTOMER:** Lehigh Valley Hospital

**LOCATION:** Allentown, Pennsylvania, USA



**BACKGROUND:** Armstrong International was awarded an engineering service contract from Lehigh Valley Hospital to provide turnkey design, engineering, and construction services to implement a flash steam and condensate recovery project to lower the hospital's energy and maintenance costs.

**SCOPE OF WORK:** Armstrong performed cost savings calculations from energy bill data, site measurements, and system analysis to assist Lehigh Valley Hospital in monitoring the captured savings. A series of energy efficiency measures were implemented to provide a simple payback in less than three years. Armstrong also provided sustaining engineering services and develop further system upgrades by auditing the new system quarterly for three years and performing an annual steam trap survey. Armstrong's multi-year agreement with the hospital has automatic annual renewals.

**BENEFITS:** Lehigh Valley Hospital recognized a significant decrease in equipment downtime due to corrected system misapplications and has reaped the benefits of major energy cost savings. Lehigh Valley Hospital enjoyed a simple payback on improvements within three years. Armstrong's solutions also improved the hospital's appearance by eliminating an unsightly flash steam exhaust to the atmosphere.

**Armstrong International**

INTELLIGENT SOLUTIONS IN STEAM, AIR AND HOT WATER

North America • Latin America • India • Europe / Middle East / Africa • China • Pacific Rim

[armstronginternational.com](http://armstronginternational.com)