

Johnson Controls Performance Infrastructure™ Project Profile:

Philadelphia Pathways Lab



To combat the HVACR industry's labor shortage, strengthen the candidate pool and support the Philadelphia, PA community, Johnson Controls partnered with educators and government officials to provide vocational programs and facilities. These spaces provide HVAC training to launch the careers of local youth, returning citizens, underemployed/unemployed and more.

Johnson Controls created the Commercial HVAC Pathways Vocational Lab to provide students with hands-on experience in the HVACR field. The new lab is part of an ongoing partnership between Johnson Controls and Energy Coordinating Agency (ECA), which is focused on providing training to local participants.

As part of this initiative, Johnson Controls donated and installed a full HVACR lab, complete with building equipment and systems to enable a hands-on curriculum. Students can leverage these technologies to learn about HVACR maintenance, clean energy programs, digital controls and more. Pathways Lab students leave the program with industry certifications that allow them to directly join the workforce with competitive salaries.

In addition to its technology donations, Johnson Controls also committed to ongoing training support for five years in order to support the local community and the Philadelphia Energy Campaign. The Philadelphia School District will also utilize the lab for their newly established, state-certified HVAC apprenticeship program.

The project includes:

- HVACR technology, including Variable Air Volume (VAV) boxes and Air Handling Units (AHU)
- Energy management systems
- Water infrastructure and conservation methods
- Digital control systems

Project Scope:

- Location: Philadelphia, PA
- Investment:
 - \$250,000
 - 5 years of training support

Project Components:



HVAC equipment and
YORK® Connected
Chillers



Energy Storage



Building Controls



Intelligent Water
Infrastructure