

CASE STUDY

Ohio Aerospace Institute



OHIO AEROSPACE INSTITUTE CLEVELAND, OHIO, USA

Ohio Aerospace Institute (OAI) was founded in 1989. Their mission is to enhance their partner's aerospace competitiveness through research and technology development, workforce preparedness, and engagement with global networks for innovation and advocacy. Today, OAI has approximately 80 employees and over \$16M in annual revenue. The organization is a consortium of 9 Ohio universities that have engineering schools; including Cleveland State University, Case Western Reserve, NASA, and Wright-Patterson Air Force Base.

The Ohio Aerospace Institute is adjacent to the NASA John H. Glenn Research Center at Lewis Field. OAI's \$10.7 million, 70,000 square-foot, 3 story building was constructed in 1993 and was recognized by the local American Institute of Architects when Cleveland architect Richard Fleischman won an award for the design.

ABOUT US

In the world of building integration and sustainability, Facilitec has been in the forefront of new technology, energy efficiency, safety and measurement/verification.

A 38 year old company, Facilitec, born out of factory automation, continues to implement the latest in technology, guiding their clients into the ever-changing future.



70,000 FT²



CHALLENGE

Facilitec was recommended to OAI, a training facility for Nasa, by one of the oldest and well known service companies in Cleveland. After working with NASA to resolve some existing problems they had with their system, Facilitec was referred to OAI to perform the same for their facility.

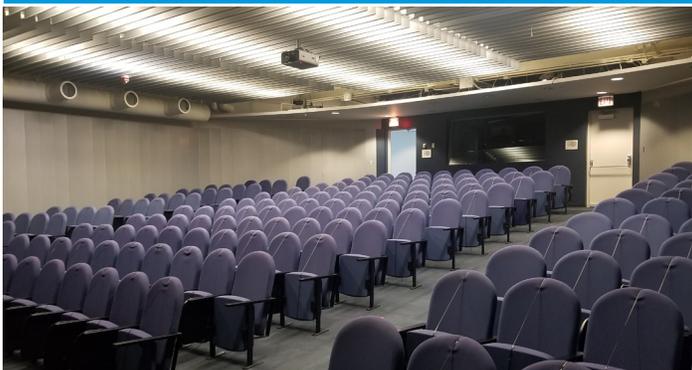
SOLUTION PROCESS

Facilitec performed a complete analysis of the existing mechanical and electrical systems to determine the best approach to finding solutions for the client. The proposed solutions were then discussed with client personnel and Facilitec, developing the best way to implement the solutions.

1 ANALYSIS

2 CUSTOM MODELING

3 INSTALLATION



RESULTS

The entire facility HVAC system was retrofitted with a building automation system. The system was set in conjunction with OAI personnel to address each item causing issues in the all-glass building. With much effort, success was achieved and Facilitec continues to make further improvement by working with OAI, listening to the desires, and addressing their requests.

“FACILITEC was able to reduce our estimated upgrade costs by \$100,000. And additionally, every year, we have a goal of 5% savings and FACILITEC has helped us surpass that each year. We are extremely pleased!”

- Tony Smith, Vice President Finance and Operations, Ohio Aerospace Institute



NEXT PHASE

Facilitec continually works with their clients to determine other steps to be taken to further improve efficiencies in operations. OAI's next steps include monitoring, contact tracking, card access, security and network LED lighting. All programs include complete tracking capabilities to be able to verify and maintain the results.