

Innovation Campus, Various Lab & Office Renovations

Northeastern University, Burlington, MA

ELLIOTT HALL

UAS DRONE LAB
 FALL 2018
 5,500 GSF indoor / 30,000 GSF outdoor
 Re-purposing of an existing auditorium for use as an indoor/outdoor Unmanned Aerial System flight area; required coordination of intricate monitoring systems including radio antenna, high resolution cameras, and strobe lights.

VCC PHASE II
 SUMMER 2018
 40,000 GSF
 A study to re-purpose the remainder of Elliott Hall to serve as leased space to start up companies. Similar in concept to the VCC in the Barracks Building

KOSTAS RESEARCH INSTITUTE

CRISIS RESPONSE CENTER
 FALL 2016
 2,800 GSF
 Planning study of flexible emergency response training space in which teams simulate disaster conditions and evaluate team reaction in real time; the space opens up to host larger workshops, training, or symposiums.

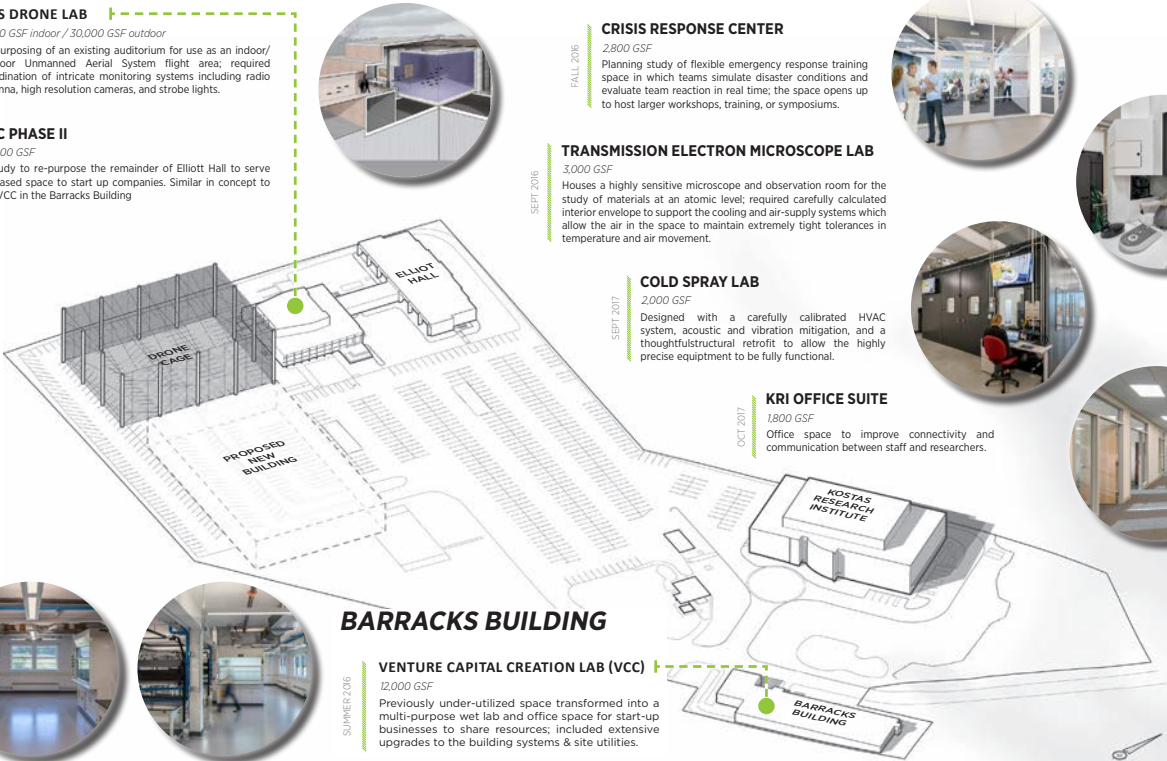
TRANSMISSION ELECTRON MICROSCOPE LAB
 SEPT 2016
 3,000 GSF
 Houses a highly sensitive microscope and observation room for the study of materials at an atomic level; required carefully calculated interior envelope to support the cooling and air-supply systems which allow the air in the space to maintain extremely tight tolerances in temperature and air movement.

COLD SPRAY LAB
 SEPT 2017
 2,000 GSF
 Designed with a carefully calibrated HVAC system, acoustic and vibration mitigation, and a thoughtful structural retrofit to allow the highly precise equipment to be fully functional.

KRI OFFICE SUITE
 OCT 2017
 1,800 GSF
 Office space to improve connectivity and communication between staff and researchers.

BARRACKS BUILDING

VENTURE CAPITAL CREATION LAB (VCC)
 SUMMER 2016
 12,000 GSF
 Previously under-utilized space transformed into a multi-purpose wet lab and office space for start-up businesses to share resources; included extensive upgrades to the building systems & site utilities.



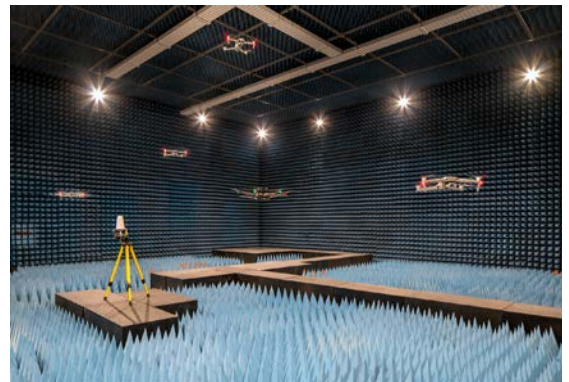
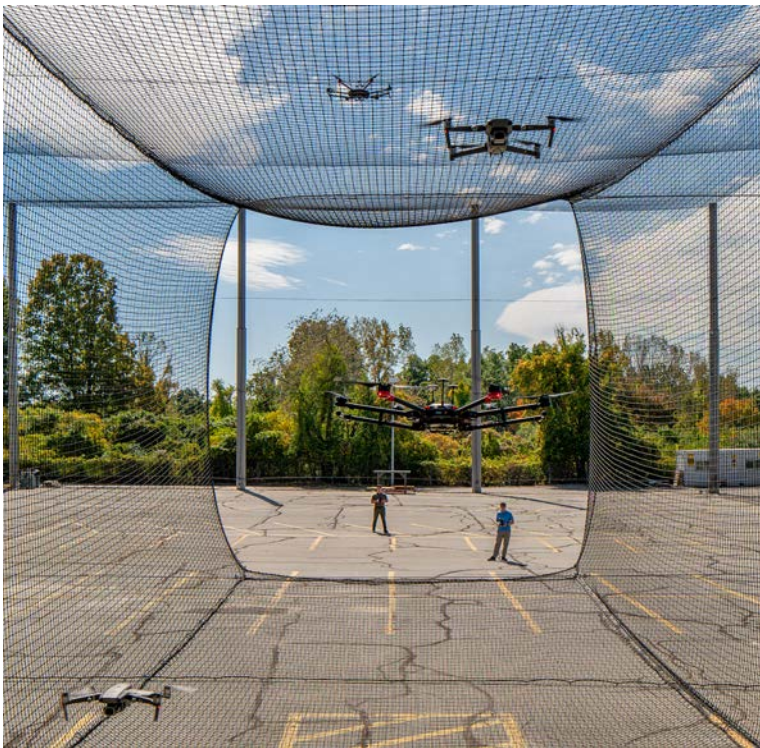
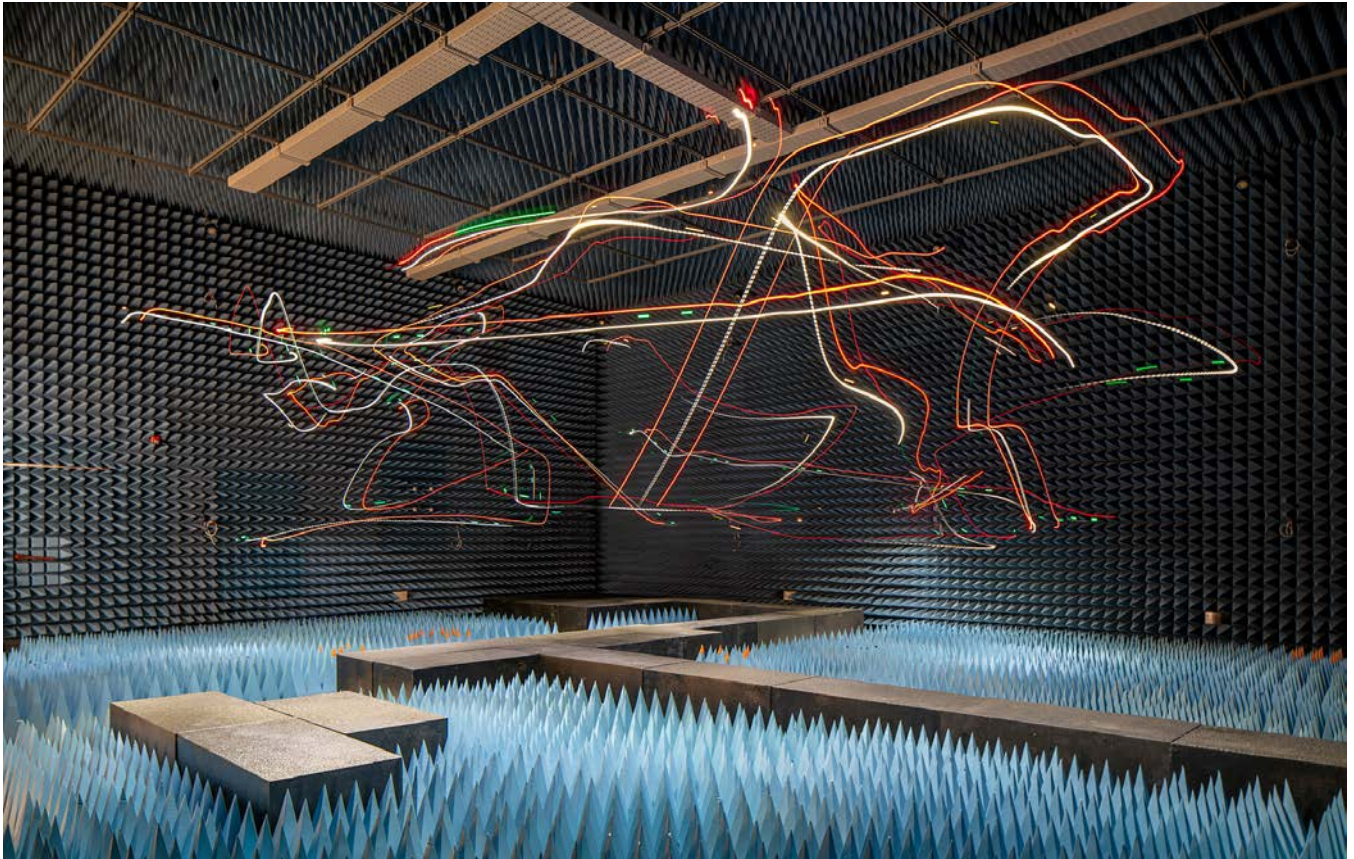
VITALS:

Client: Northeastern University.
Location: Burlington, MA.
Cost: varies, \$150K to \$8M+.
Completed: varies, 2016-ongoing.
Scope: Study, Schematic Design through Construction Administration.
How Green? Best practices.
Photographs: © William Horne.
Team: Rick Jones, Dan Ollila, Selena Obelinas, Matt Rowan, William Jacob.

Northeastern University's Innovation Campus Burlington Massachusetts (ICBM) is housed on the grounds of a decommissioned Nike missile base. This innovation campus is focused on conducting research through funding and partnership with a variety of U.S. Government agencies and private business ventures, among them Homeland Security and the Department of Defense, U.S. Army Research Labs, U.S. Air Force, Raytheon, and Rogers Corporation, among others.

A new building was built as a shell for future labs (the Kostas Research Institute, pictured at right in the graphic above), when Northeastern University purchased the property. Jones Architecture has been routinely called upon to provide design and planning for many sensitive and complex project types in both the new building and existing campus buildings (Elliott Hall and the Barracks Building). Project types include a UAS (Unmanned Aircraft System) or "Drone" lab, various research labs and office spaces.

Some of the spaces are being designed to be ready for partners from industry and government. These spaces will have infrastructure in place to become wet and dry lab, or research office and meeting rooms depending on user needs.



Drone Lab & Faraday Cage



Cold Spray Lab



TEM Lab



Cold Spray Lab Looking into Chamber



Venture Creation Center



Crisis Response Center, Simulation Control Room



Battery Lab (construction photo)



Office Support Space