

Looking Forward: The Future is Buildings

The success of climate action plans around the world hinge on the performance of buildings. Nowhere is this more true than in New York City, and it is no surprise that our community has risen to this challenge. The projects highlighted in this exhibit, and the thousands like them undertaken in recent years, have done more than just reduce our carbon footprint. Each of these retrofits is a beacon of encouragement with particular lessons to share with the thousands of decision makers that will determine the future of our built environment.

The House at Cornell Tech, below, represents another major step forward along this path. As new construction, this project might seem different than the retrofits and renovations throughout this exhibit. But the knowledge sharing and motivation provided by the projects in this exhibit has been central to the development of a mature community. One that is ready to take on the challenges presented by climate change, and to create the energy efficient buildings of the future, such as the House at Cornell Tech. The projects featured, and others like them, are the bedrock on which we will build a more just, equitable, and sustainable city.

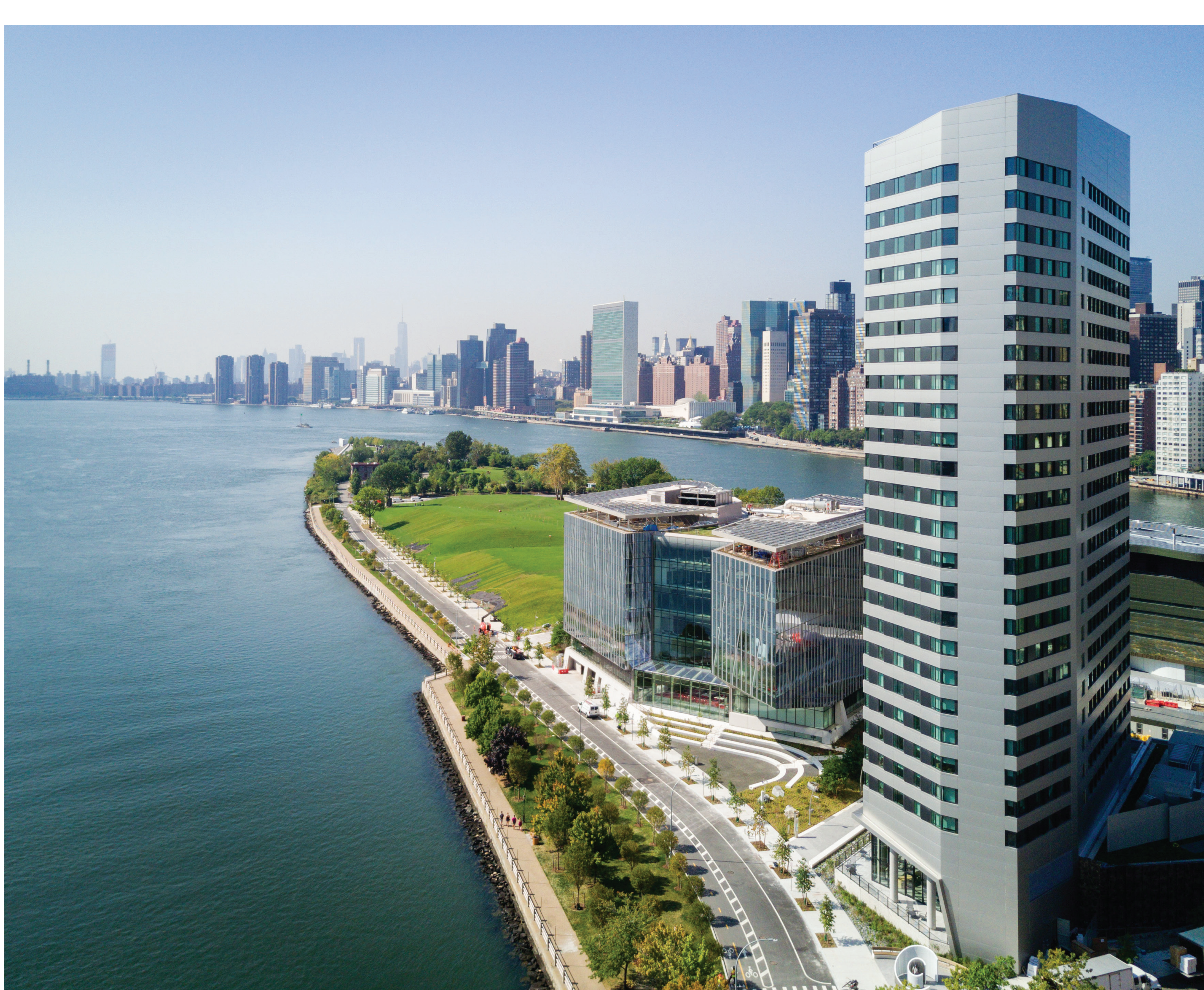
BE-Ex plays a central role in the education and knowledge sharing required to improve our buildings and to combat climate change. Celebrating projects like those featured in this exhibit will continue to be a major component of our work moving forward. We look forward to ensuring that everyone with a stake in the future of buildings, here and across the globe, has access to the important lessons and vital inspiration provided by these projects, and others, across New York City.

The House at Cornell Tech

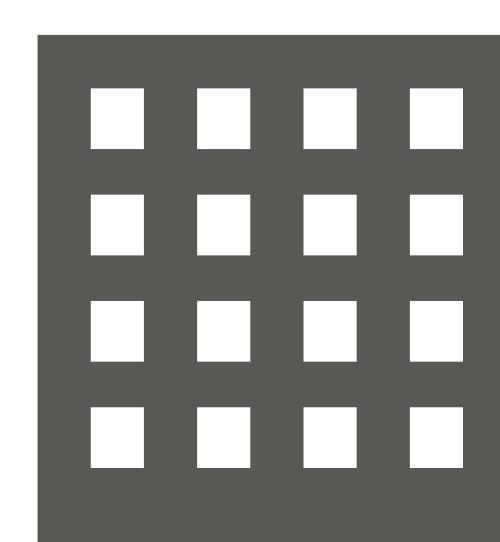


1 East Loop Road · Roosevelt Island

The House at the new Cornell Tech Roosevelt Island campus is 26 stories high, includes more than 350 units, and is the tallest Passive House certified building in the world.



building type

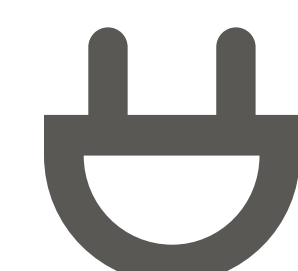


Large Residential

built
2017

retrofit
2013–2017

heating fuel



electric

cooling fuel

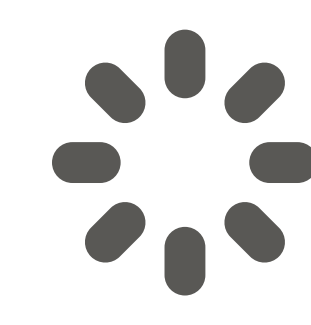


electric

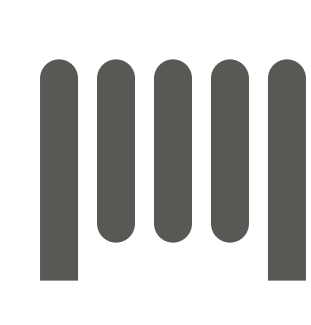
project team

Cornell University
The Hudson Companies, Inc.
Related Companies
Handel Architects LLP
Monadnock Construction, Inc.
Steven Winter Associates, Inc.
Buro Happold Engineering
Vidaris
Design 2147
Future Green Design Corp
Tectonic
Construction Specifications
Van Deusen & Associates
Philip Habib & Associates
Architectural Openings
ESCC
Bond Broadband Advisors
SATEC
Lane Engineering Consulting, P.C.
Carroll Adams
Skidmore, Owings, Merrill
James Corner Field Operations

systems upgraded



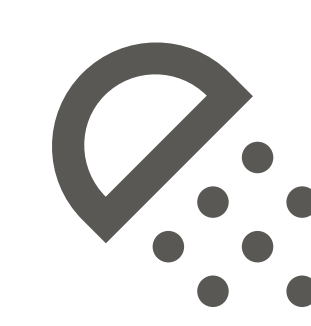
lighting



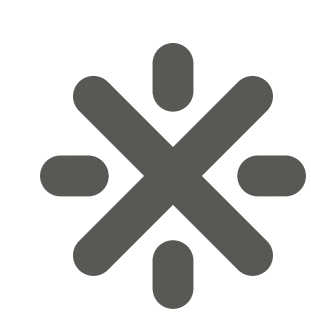
heating



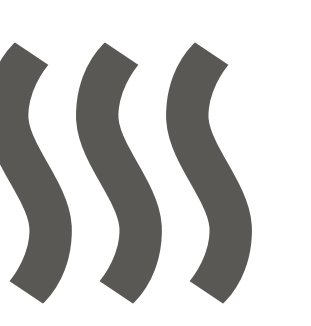
envelope



domestic hot water



cooling



ventilation



controls



other



passive house

public incentives



annual cost savings (est.)

\$159,401

utility cost savings (est.)

30%

