# New York Smart City

Modernizing the World's Oldest Energy System

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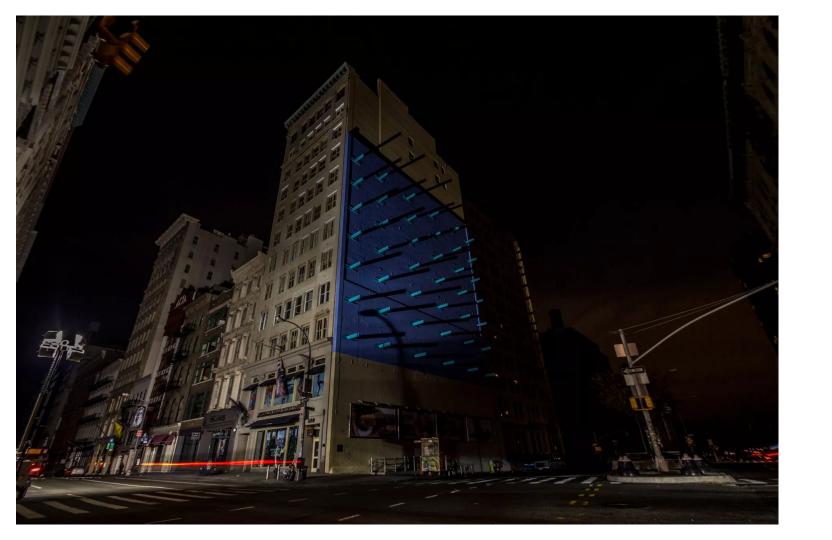


















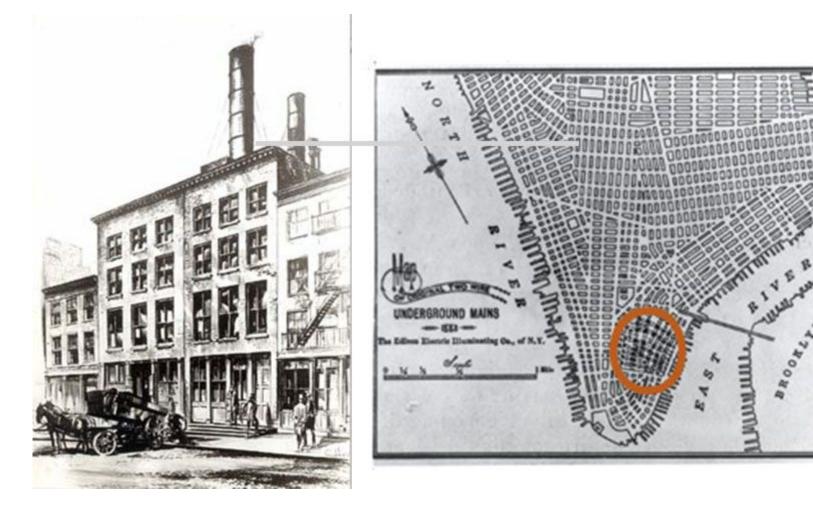
# NYSERDA





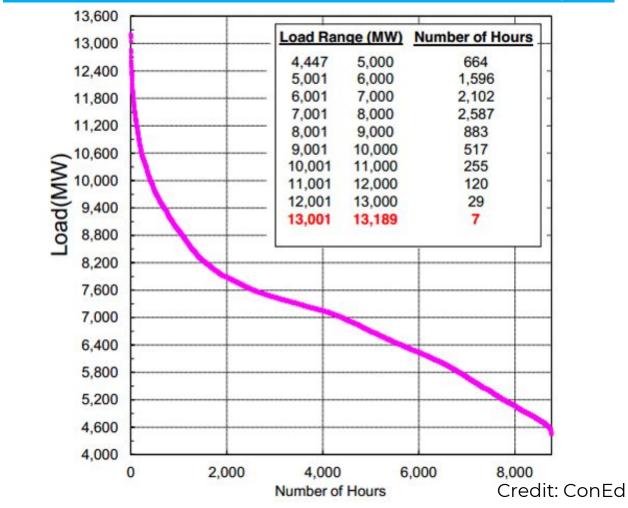








## NYC Electric Grid is built for 7 hours of the year



CUT
GREENHOUSE GAS EMISSIONS
80% BY 2050

EMPOWER
NEW YORKERS
TO MAKE MORE INFORMED
ENERGY CHOICES

Reforming the Energy Vision

New York's

BUILD A

MORE RESILIENT

**ENERGY SYSTEM** 

GROW

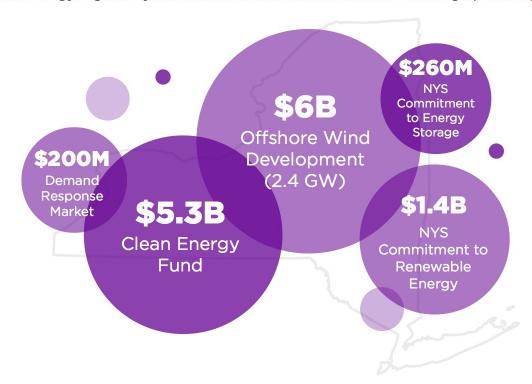
**NEW YORK'S** 

**ENERGY EFFICIENCY** 

Credit: NYSERDA

### NEW YORK **MARKET OPPORTUNITY**

Clean energy regulatory tailwinds and market incentives are building up at a rapid pace. [4,5,6,7]







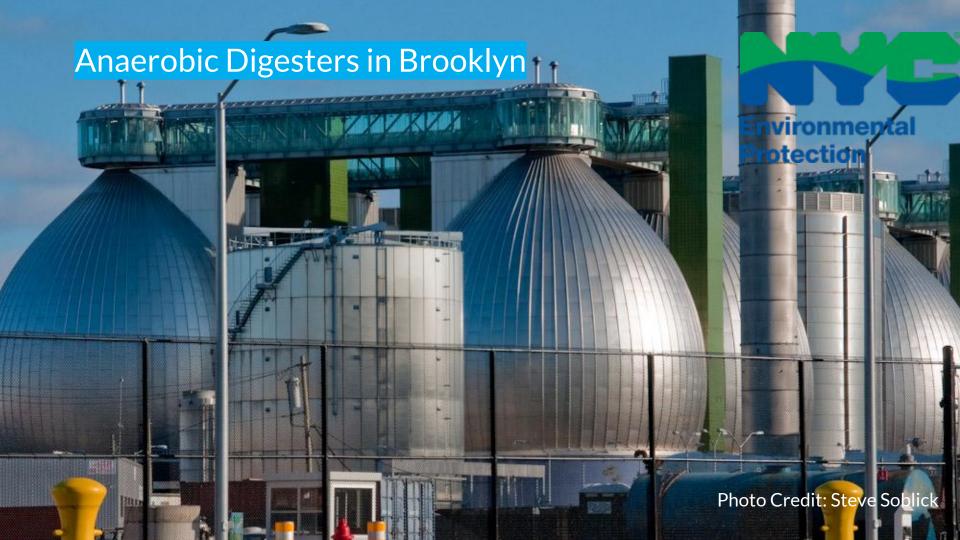














**CURRENT** "URBANTECH NYC" **ECOSYSTEM** 









URBAN-X











URBAN

TECH NYC

neighborhood innovation







Center for Urban Science + Progress

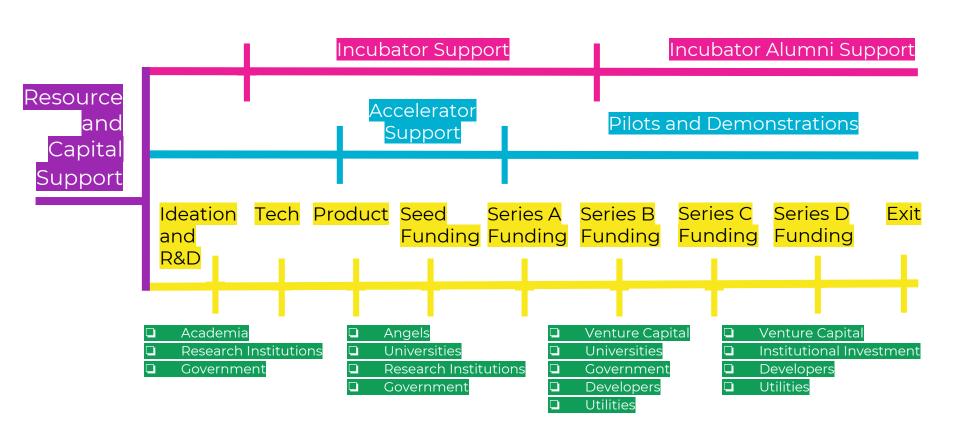


**OTHER** 

**HUBS** 

## **COMMERCIALIZATION TIMELINE**

Connecting the urban innovation ecosystem from ideas to scale



## **FUTURE OF NYC URBAN TECH ECOSYSTEM**











































CIVIC

HĂLL



GRAND CENTRAL TECH























KPMG

CISCO









## **NETWORK PROGRAMS & ACTIVITIES**

A Partner Network and programming focused on R&D, Growth, and Demonstrations of local urban technologies to scale innovative solutions and improve communities

R&D: Urban data, problem and solution analysis. Equipment, hardware and commercialization support for software, hardware and business model innovations and solutions. Based on NYC Media Lab model.

Community: Incubators, accelerators and affordable innovation spaces with multi-stakeholder support scaling solutions and growing NYC's workforce and communities.

Pilots and Scale: Facilitation of PPPs and strategic tech partnerships with corporations and direct connections to government agencies. Proof of concept and demonstration opportunities on public private infrastructure.







OUR MISSION

URBAN FUTURE LAB



### OUR **HISTORY**

**Urban Future Lab** (UFL) is home to the **ACRE incubator**, the longest running cleantech startup incubator in New York City.

2009 2014 Today

ACRE was founded as the 'New York City Accelerator for a Clean and Resilient Economy (NYC ACRE)' -an incubator program supporting cleantech startups. ACRE was formed in a partnership between NYU and NYSERDA.

NYU received a grant from the NYCEDC to establish the **Urban Future Lab** – an expanded center located in Brooklyn to serve as the hub for all cleantech initiatives.

Urban Future Lab is home to ACRE and a number of major cleantech programs such as **PowerBridgeNY** and **Clean Start**.



# ORGANIZATIONAL HIERARCHY

### **URBAN** FUTURE LAB



ACRE is a business incubator that advises and provides business resources to cleantech startups.



### **POWERBRIDGE NY**

PowerBridgeNY is a NYSERDA-funded, earlystage technology research and proof-ofconcept program.



Clean Start is an NYU
Advanced Diploma
program for mid-career
professionals
transitioning to cleantech.



### **ACRE PORTFOLIO**

#### SMART CITIES (BUILDINGS AND RESOURCE PRODUCTIVITY)





Anellotech













fentrend





















#### SMART ENERGY (GRID, RENEWABLES, AND STORAGE)







































### Voitait

#### **SMART MOBILITY (TRANSPORTATION AND EVs)**











# OUR CLEAN **ECONOMY IMPACT**







48

companies incubated

\$380M+

raised in corporate equity and project financing 340+

jobs created 90%

company survival rate



# ACRE PORTFOLIO OF CLEANTECH INNOVATION

Our companies have gone to market with ground-breaking technology & business models.



**Sealed** – raised first securitized fund for home energy efficiency in partnership with the NY Green Bank.



**Opus One Solutions** – led the implementation of a \$12.4M transnational microgrid project, the first of its kind.



**Dandelion Energy** – first to offer affordable home geothermal installations for the U.S. market.



URBAN FUTURE LAB

# Applications open soon URBAN FUTURE COMPETITION

Tomorrow's world-changing startups, grown in NYC

ufl.nyc/competition

