MIT CityFARM

"Grow it HERE and eat it HERE"

The future of global food production will mandate a paradigm shift from traditional practice to resource leveraged and environmentally optimized urban food growing solutions. The MIT CityFARM is an anti-disciplinary group of engineers, architects, urban planners, economists and plant scientists exploring and developing of high performance urban agricultural systems.Through innovative research and development of hydroponic, aquaponic and aeroponic production systems, novel environmental, diagnostic and networked sensing, control automation, autonomous delivery and harvest systems, data driven optimization and reductive energy design; MITCityFARM methodology has the potential to reduce water consumption for agriculture by 98%, eliminate chemical fertilizers and pesticides, double nutrient densities and reduce embodied energy in produce by a factor of ten.By fundamentally rethinking "grow it THERE and eat it HERE" to "grow it HERE and eat it HERE" we will dramatically reduce environmental contamination and depletion while creating jobs for a rapidly urbanizing global workforce and increasing access to diverse and affordable nutrient dense produce in our future cities.

Project author or developer:
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Where:
US / Stati Uniti / Contea di Middlesex

Website:
www.mitcityfarm.com/

Cultural System	Communication		Education		Health		Food	Agents of changes
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Art		Environment		Economics		Politics	Urban Development	Covid

Geographies of change

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