CHICAGO: POWERED BY TECHNOLOGY

IN CHICAGO, WE BELIEVE THAT THE POWER OF TECHNOLOGY IS DRIVEN BY THE PEOPLE WHO USE AND BENEFIT FROM IT.
A strategic, yet hands-on commitment to shaping the future of our City through technology to solve real problems for residents and businesses.
After comparing a data-driven approach versus the current methods, the rate of finding violations was accelerated by an average of 7.4 days in the 60 day pilot. That means more violations would be found sooner by CDPH’s inspectors.
UI LABS SMART GREEN INFRASTRUCTURE

• Integrated sensing, building and operational tools for water sustainability

• Partnering with academia and corporate partners for the best solution in Chicago and for other cities
THE ARRAY OF THINGS: INSTRUMENTING AT AN URBAN SCALE

- **“Fitbit” for the city:** Low-cost, open, networked, programmable “nodes” that collect, process, and publish real-time data on environment, infrastructure, and activity.

- **Array of Things:** National Science Foundation award of $3.1M will fund 500 nodes across the City

- **Broad Partnership:** Skills, funding and components come from the City, non-profits, academia and corporations

- **Data and Details:** Current version: 14 sensors, in-situ computation; modular and expandable.

- **Uses so Far:** Traffic planning, hot spots, noise pollution, flooding
THANK YOU