BRAINBOX A).

AUTONOMOUS AI FOR REAL ESTATE CLIMATE ACTION

Quebec Climate Innovation in Action

NOVEMBER 16TH, 2021

Buildings account for ~38% of GHG emissions and HVAC systems are a key part of these

Rapid urbanization + changing global temperatures = increased heating & cooling needs in the built environment

Unlike for mobility and the energy transition, the real estate industry is still searching for truly scalable solutions

What have we been working on at BrainBox AI?



Using autonomous AI to completely change how an HVAC system behaves

Make it predictive and self-adaptive

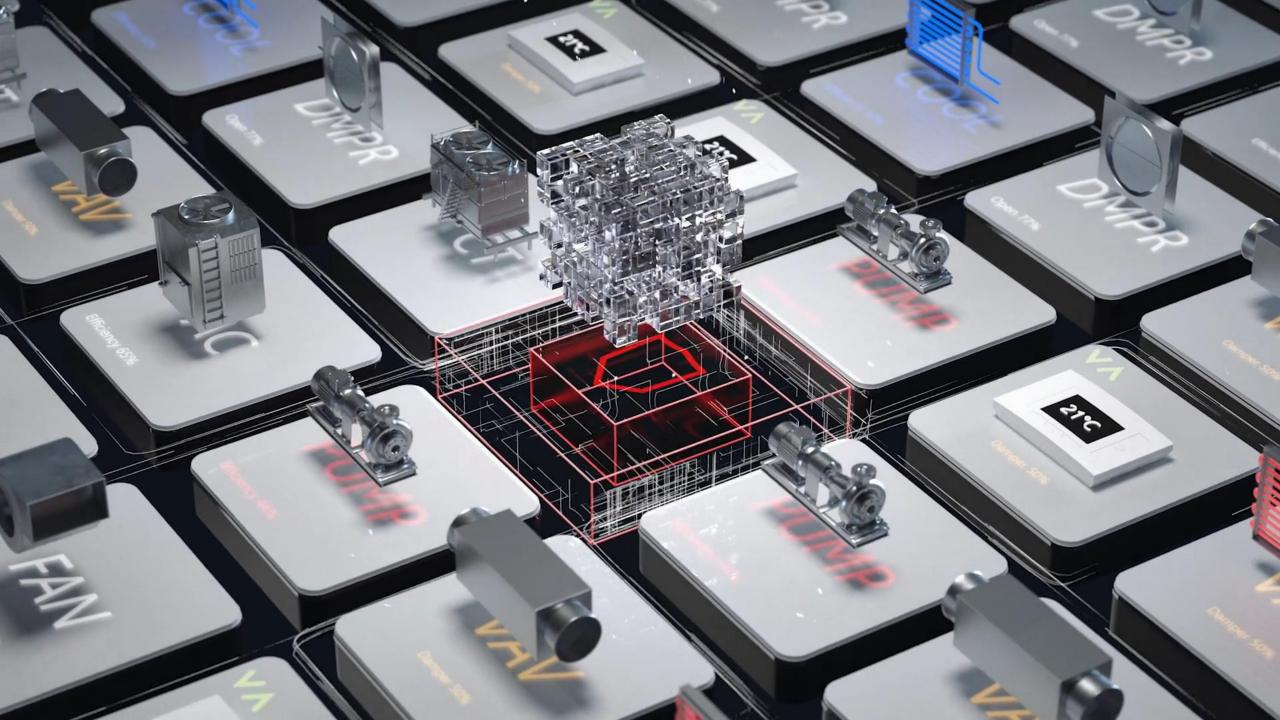
Render these systems significantly more efficient and flexible, to serve other needs

Solve many of the scale challenges that the built environment faces

Challenge: each building is a snowflake



Opportunity: Leverage other rich data sets

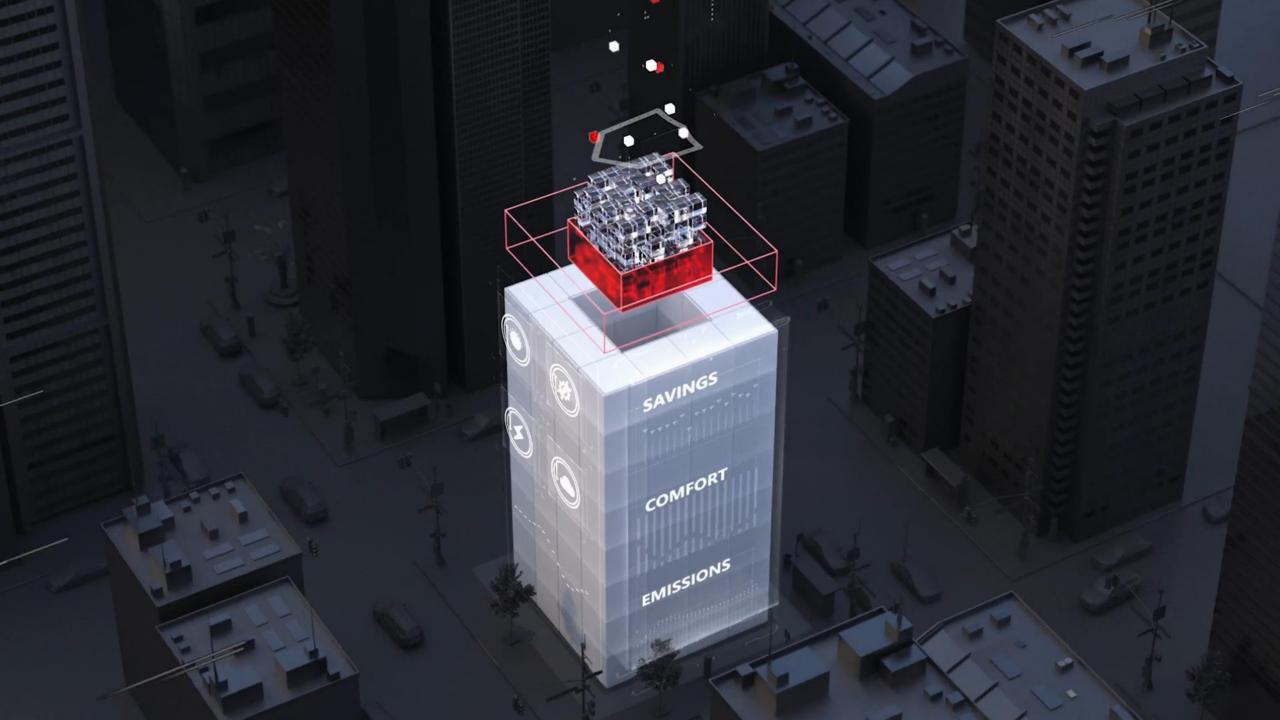


Autonomous Decision Making:

Multi-variable optimization



Decisions at a granular level



SCALE & IMPACT

IMPACT

Meaningful results without the financial sacrifice



Up to 25%

reduction in energy costs



20-40%

decrease in carbon footprint



Up to 50%

extension of HVAC equipment service life



60%

improvement in thermal comfort

200-300%

ROI for the customer

SCALE

In the last 28 months...



100M+

275+ sq. ft. impacted by our buildings managed by BrainBox Al technology

18+ countries impacted by BrainBox Al

70+ cities impacted by BrainBox Al

60+ countries impacted by BrainBox Al

1M+ annualized metric tons of CO2 saved

