



IoT Energy Efficiency Solution

The 10th Technology Forum "Green and Intelligent Buildings, and Energy Efficiency"

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Accel Labs Ltd

Helping building owners and property managers reduce energy, maintenance and equipment lifecycle costs, while improving occupancy rates, resident satisfaction, return on assets and property valuation!

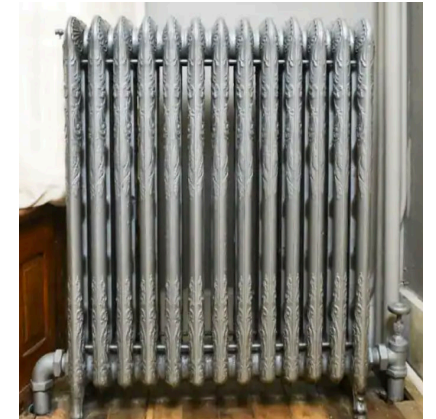
- Providing a turnkey wireless smart home energy management system for all buildings
- Delivering the industry's premiere solution for retrofitting steam, hot-water heating and chilled-water cooling systems



Challenge in older buildings

Hydronic problems – Limited control of heating & cooling

- Some floors get too hot & others are too cold
- Residents open windows to adjust temperature
- Resident complaints leading to reduced occupancy, rents & valuation

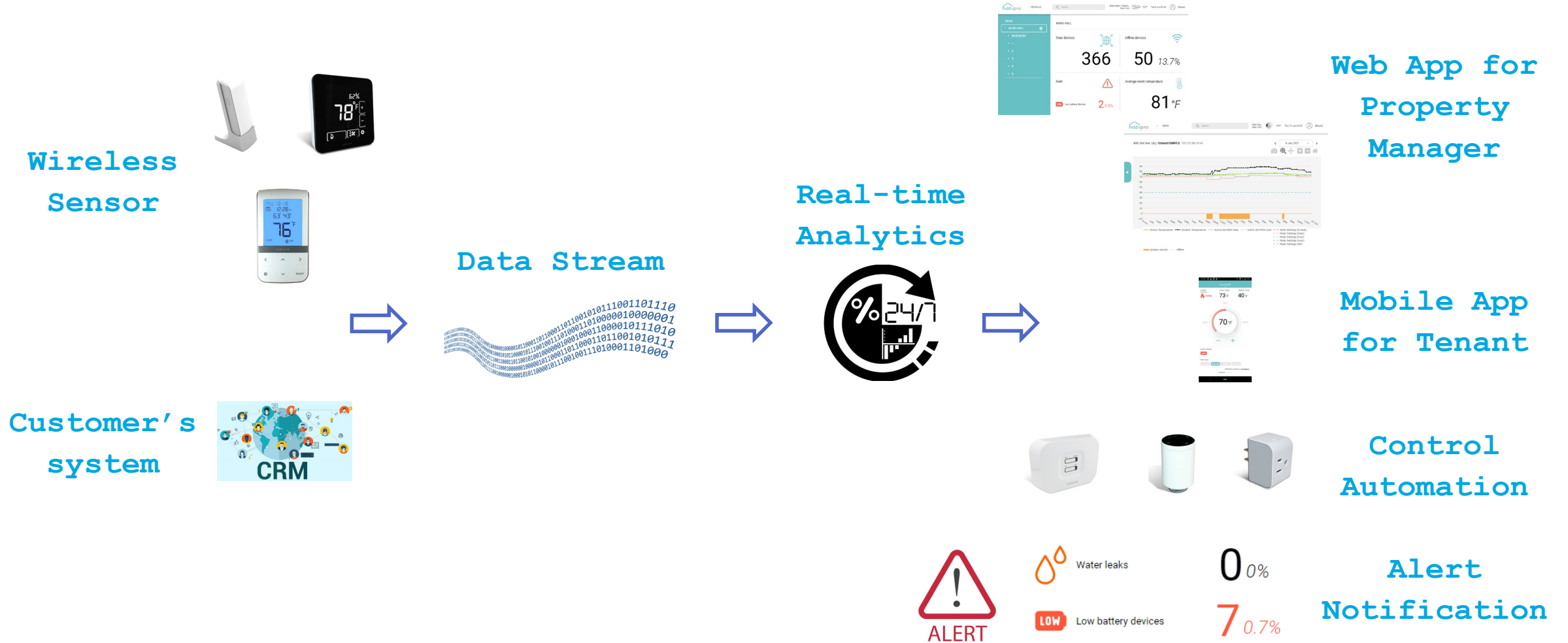


Retrofit problems

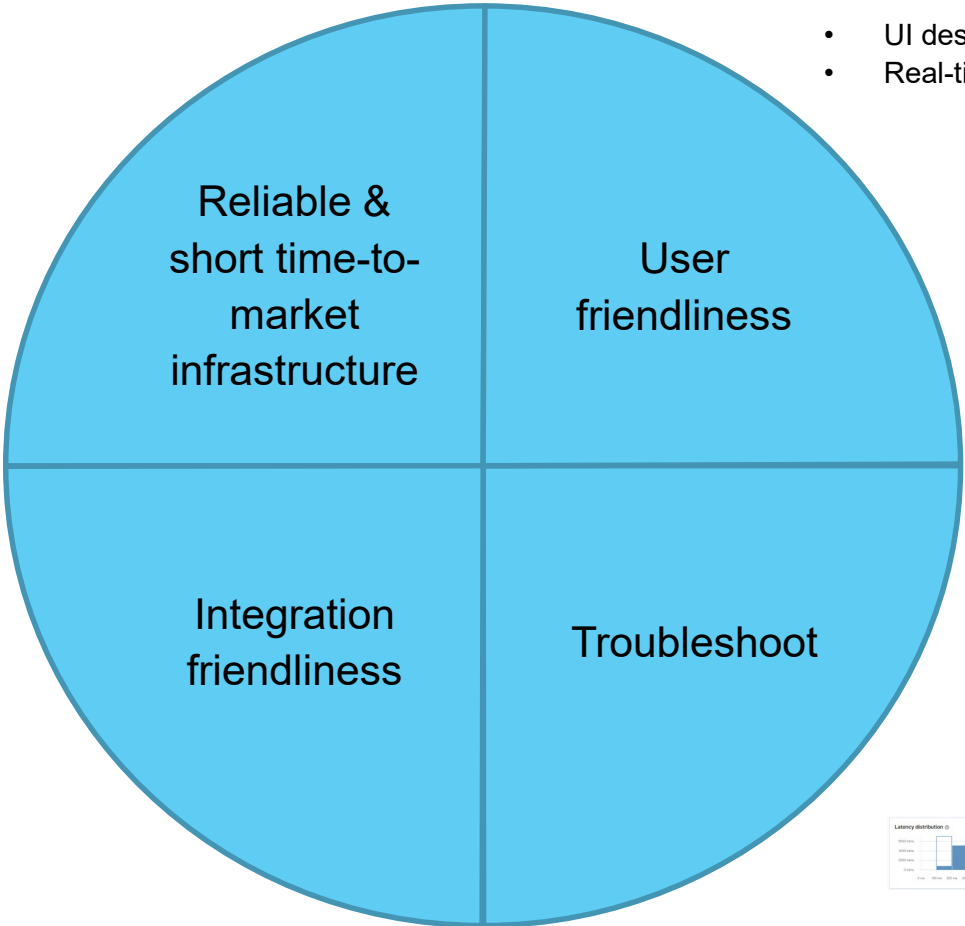
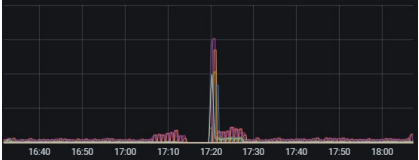
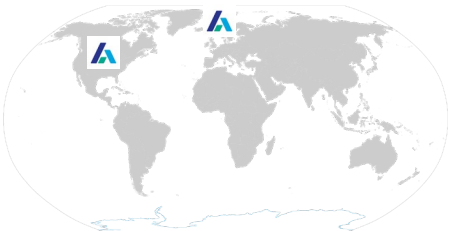
- No power supply for add-on system
- No data cable for communication



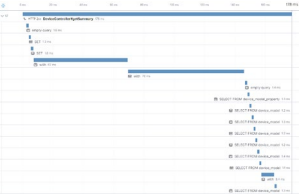
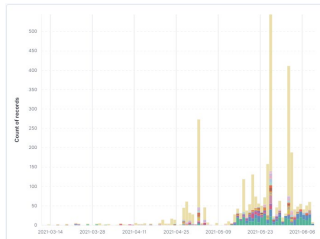
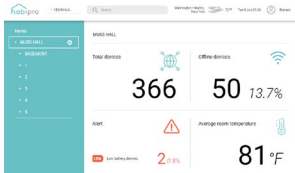
Our Solution



Our Strength



- UI designed by domain experts
- Real-time analytics pipeline



- Full stack observability

Current projects

Yeshiva University – New York City

- Yeshiva University is the world's premier Jewish institution for higher education
- Replacement of old steam valves with our wireless valve actuators & connected smart thermostats
- Saving energy & improving student comfort while simplifying maintenance and property management.



East Midtown Plaza – New York City

- Built in the early 70's and comprised of 6 buildings, EMP provides affordable housing
- Resident control of the steam heat provides improved comfort, substantial energy savings & utility rebates
- Our enterprise solution allows the property manager to ensure resident comfort & safety.





ACCE LABS

Thank you!!