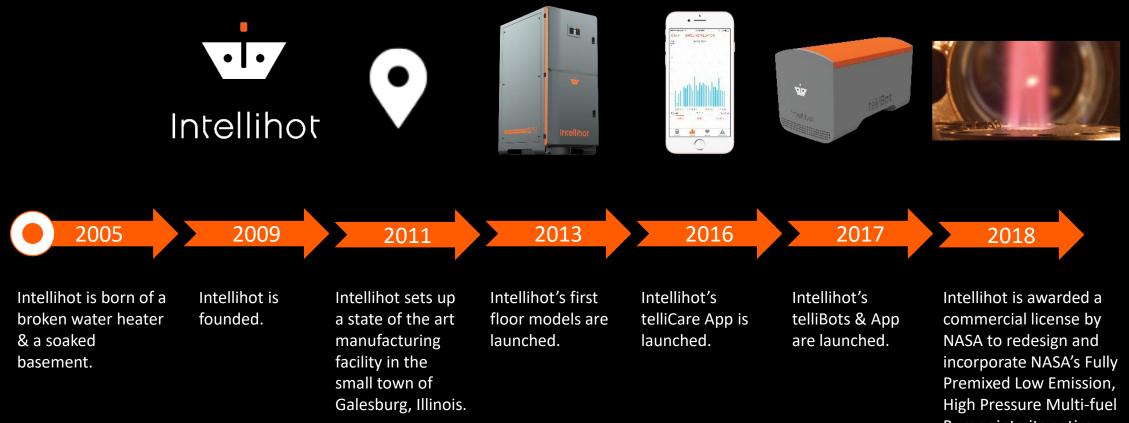


About Intellihot

Presented to Illinois EE Stakeholder Advisory Group September 17, 2019

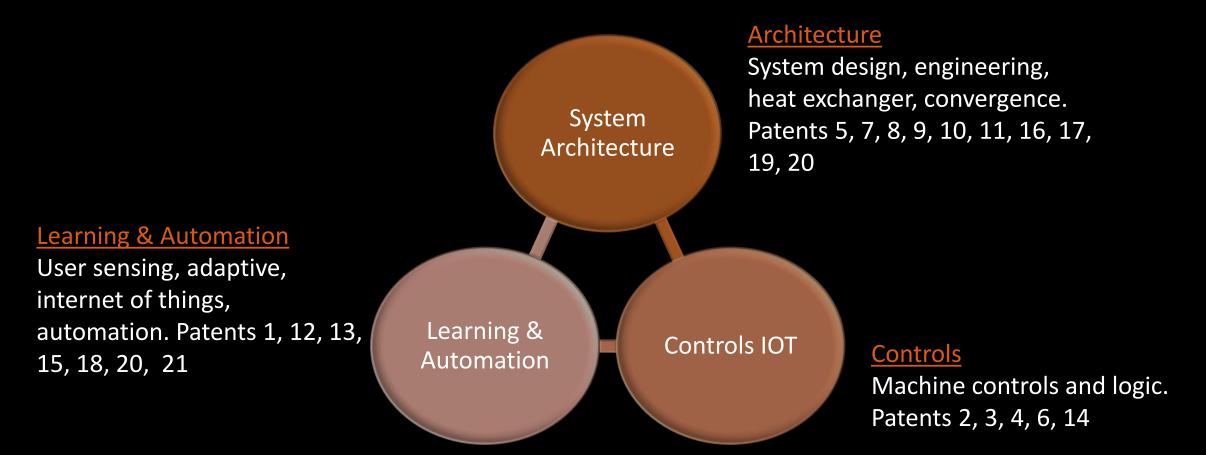


Burner into its entire product line of compact tankless water heaters.

Models iQ3001 & iQ2001 are launched.

INNOVATIVE-65 PATENTS

Intellihot has an extensive IP portfolio



INTELLIHOT - NASA

Exclusive licensing arrangement

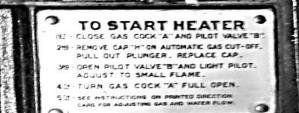


In 2018, NASA awarded an exclusive commercial patent license to incorporate it's advanced burner technology in all Intellihot products Hot water is a basic need Yet the systems we use are outdated, unreliable, grow legionella

How do we heat water?

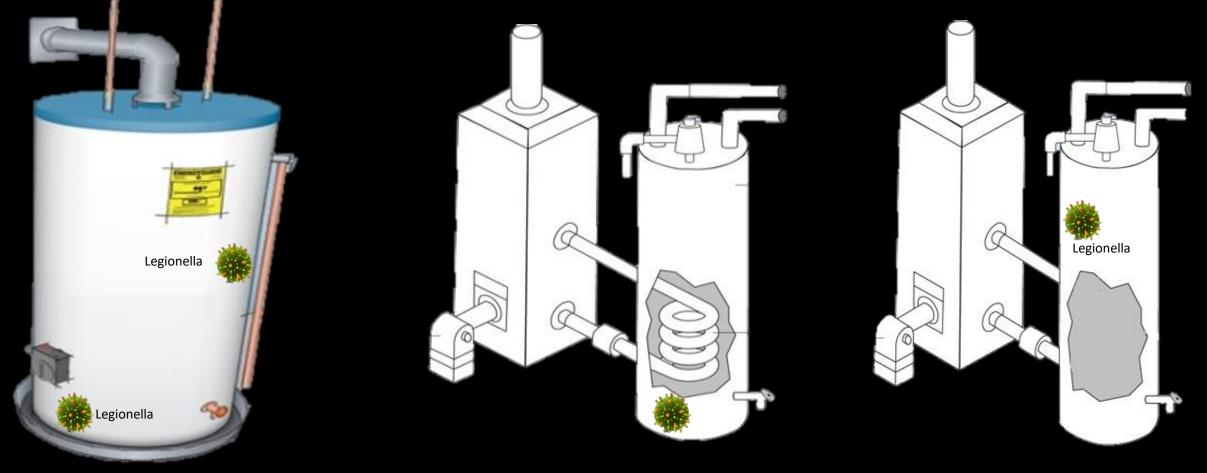
Pretty much the same way in the last 150 years

BEFORE PILOT CLOSE THIS VALVE



So...We store, store, store

For temperature stability and for "there" when you need it

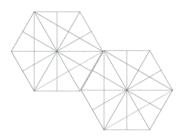


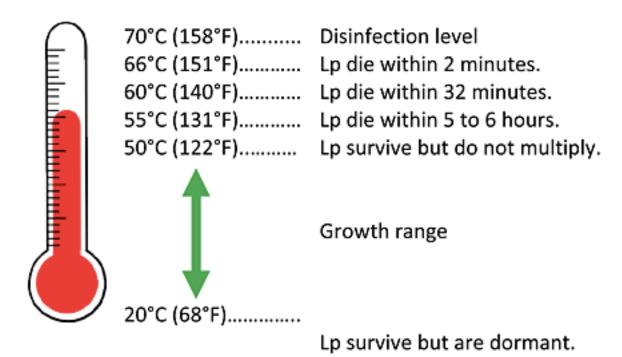
Tank heater

Boiler indirect tank

Boiler direct tank

Legionella growth





Src: PM engineer https://www.pmengineer.com/articles/90962-legionella-and-water-temperatures-go-hand-in-hand

https://hcinfo.com/about/outbreaks/recent/

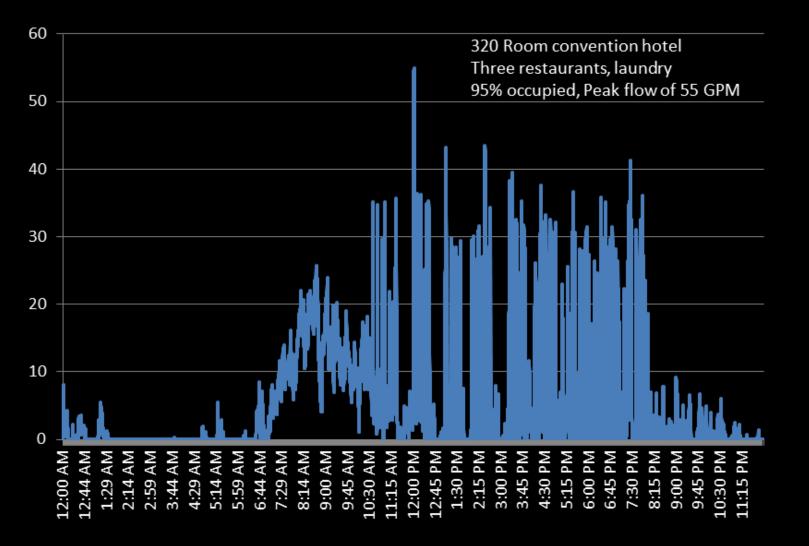
Then we install multiples

For redundancy and capacity , but risking leaks and legionella



How is water consumed?

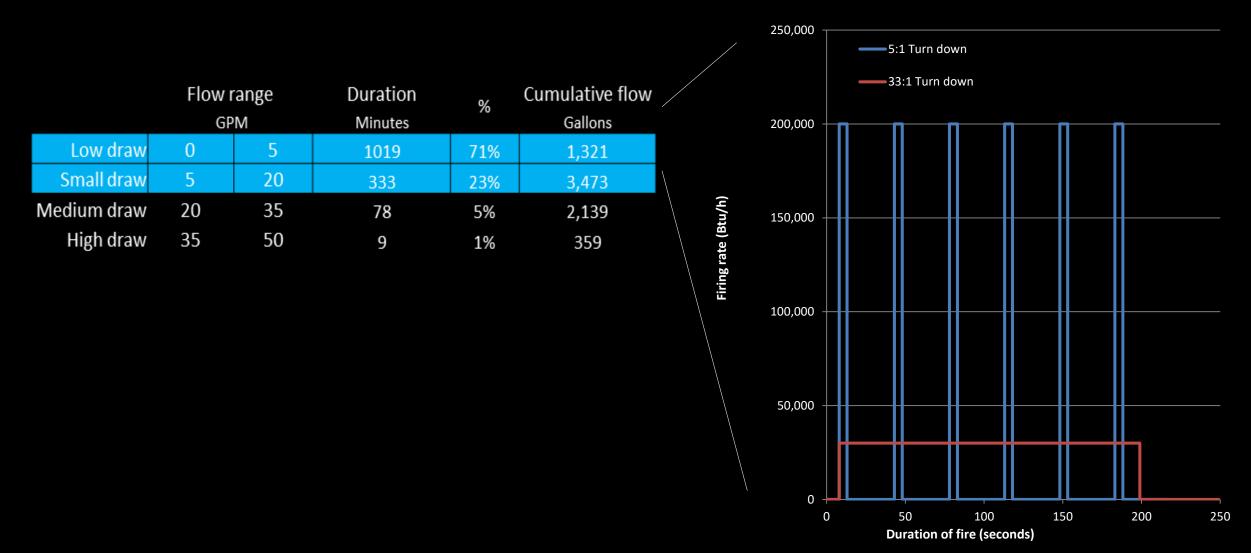
Transiently, follows statistical law





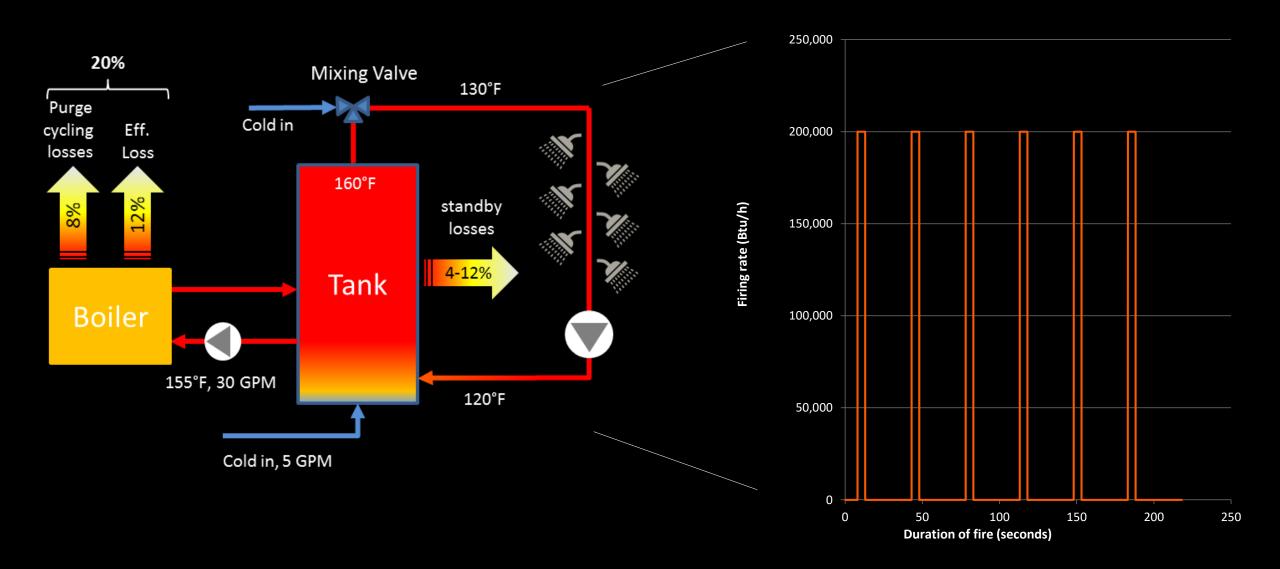
Draw profile impact on equipment

94% of operations occur at low or small flows



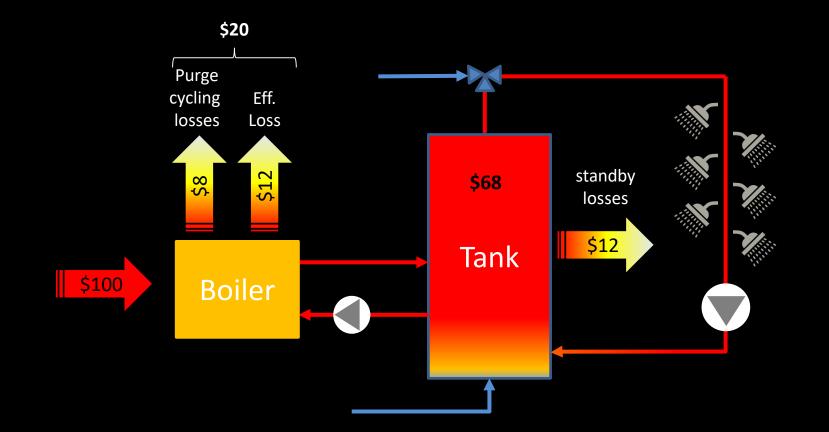
100 years of total mismatch

Traditional boiler or tank heaters are load matched ~9 minutes every 24 hours



Net effect

For every \$100 spent, only \$68 is used



Based on a 96% thermal efficiency condensing boiler with a 500 gallon tank

With Intellihot

For every \$100 spent, \$93 is used

Purge cycling losses \$8 standby losses \$92 \$0 \$100

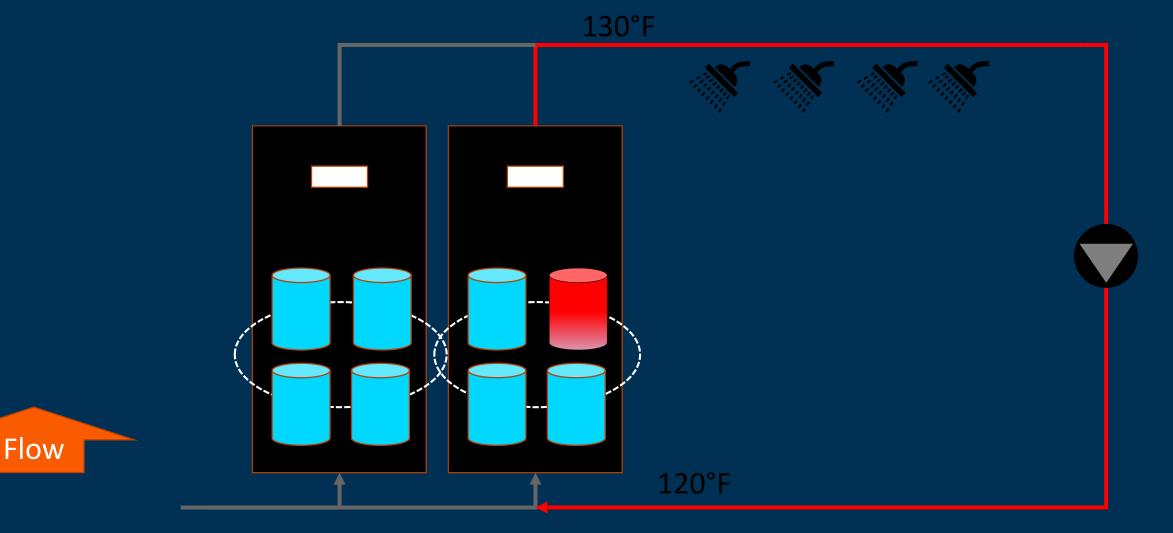
Our Patented Heat Exchanger

"The Engine That Drives All Our Units"

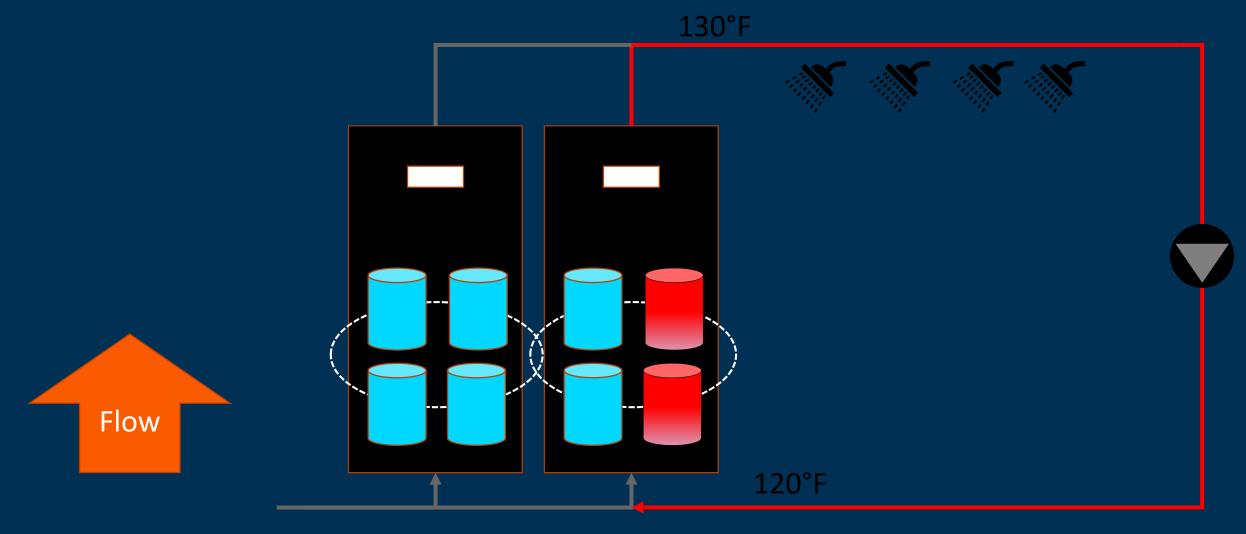
- Built-in redundancy
- Precise temperature control
- Resistant to scaling
- Mitigate legionella risk
- No storage tanks needed



Masterless | distributed controls

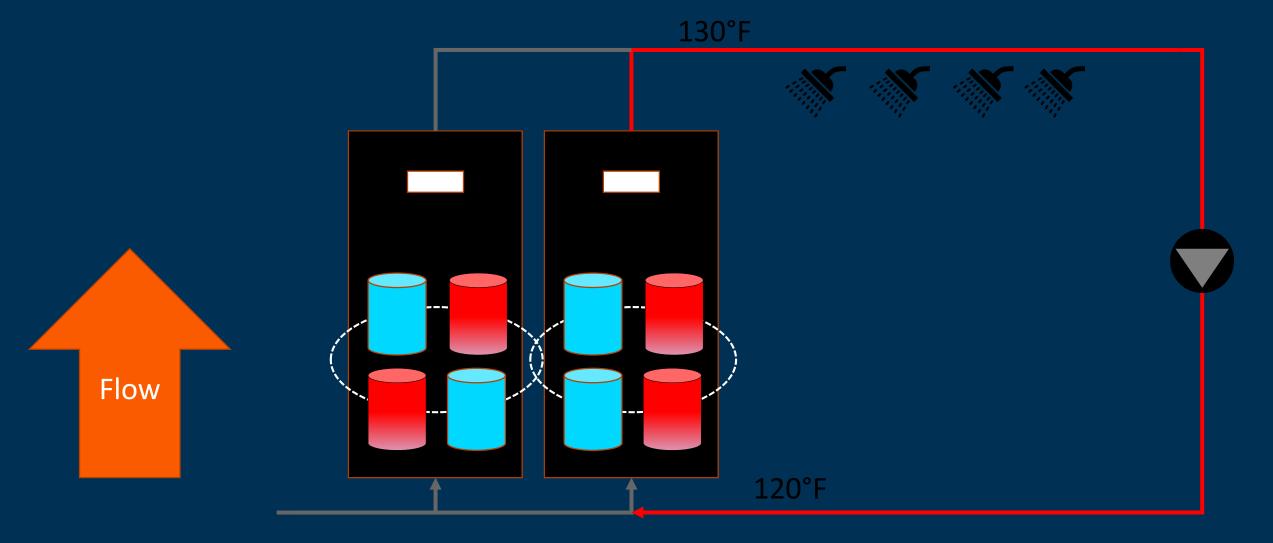


Modular tankless approach Stepless capacity



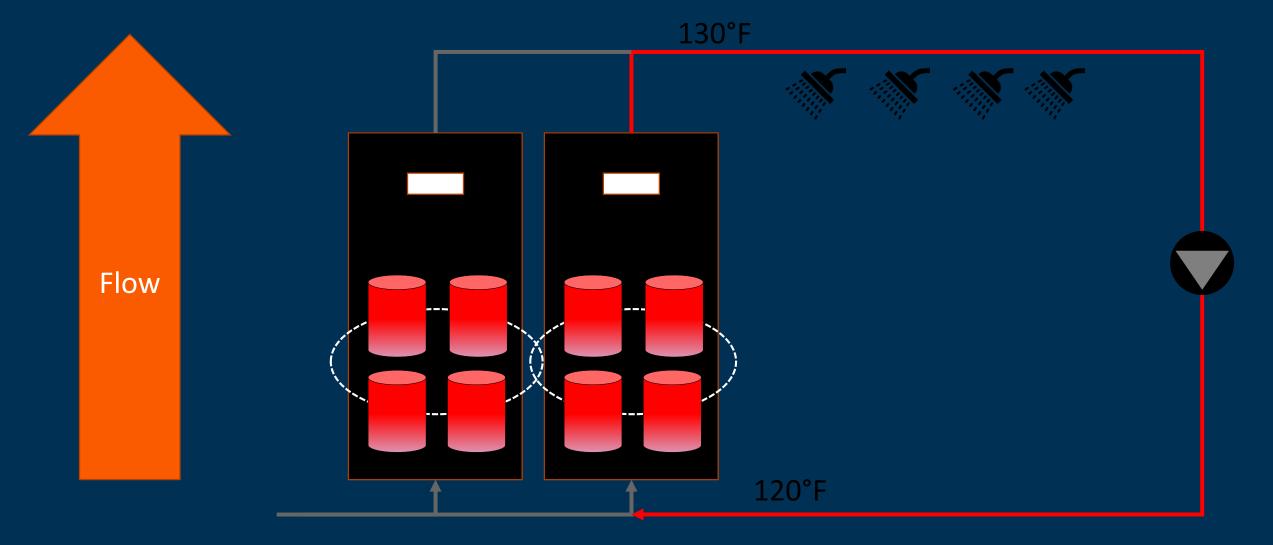
Modular tankless approach

Condensing efficiency all the time

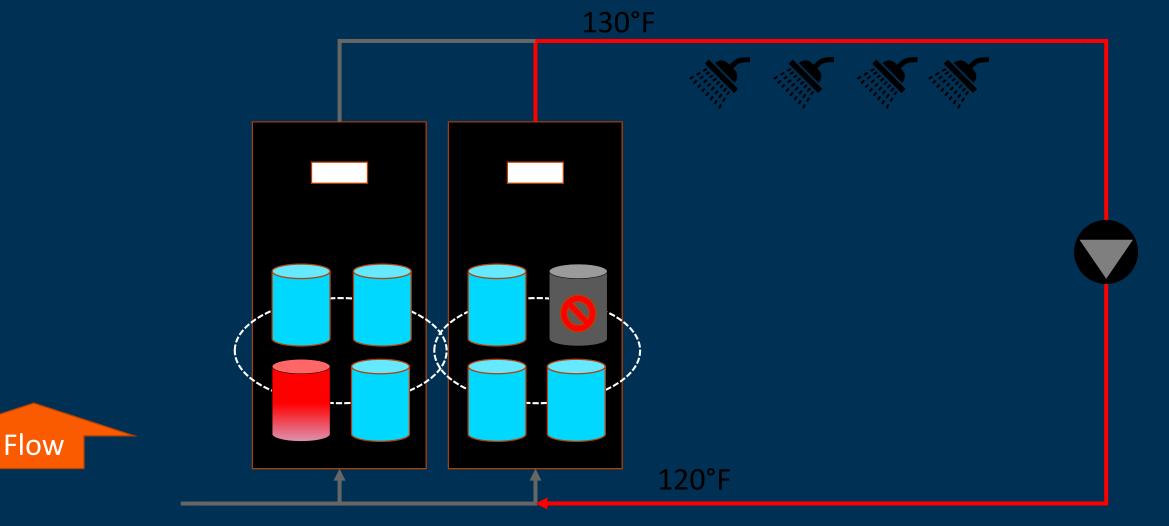


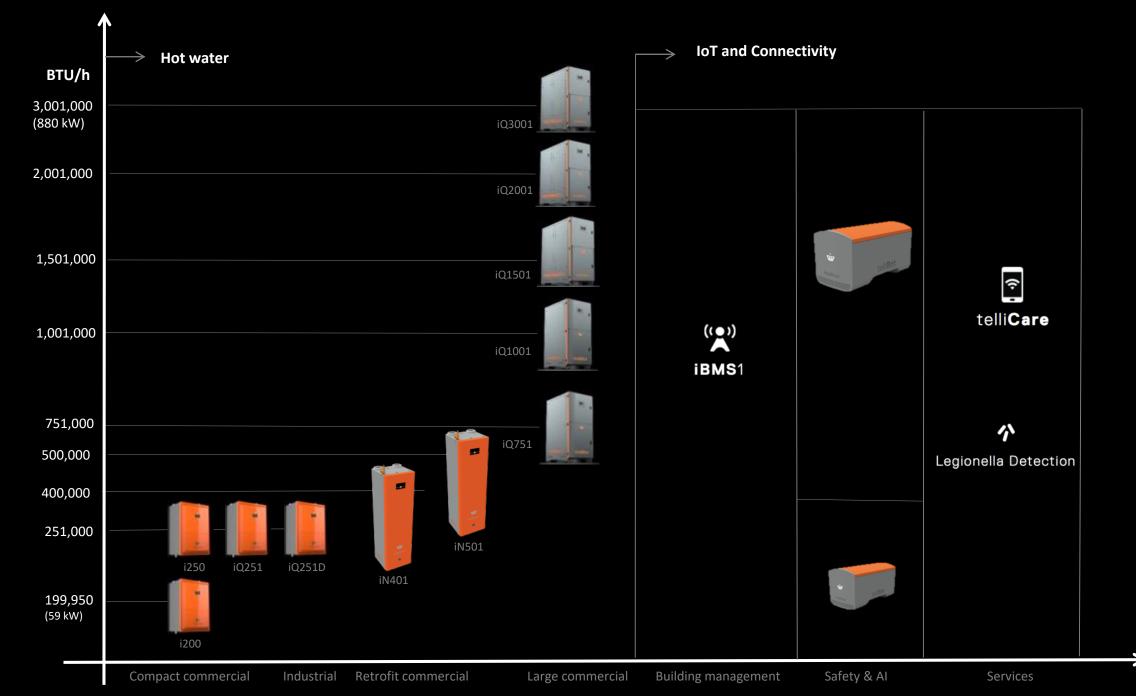
Modular tankless approach

Peak capacity, 4X reliability without 2X cost



Modular tankless approach Rotation / isolation





PRODUCT RANGE

telliCare Service

Service includes 24 / 7 / 365 monitoring and upkeep Predictive analytics and parts





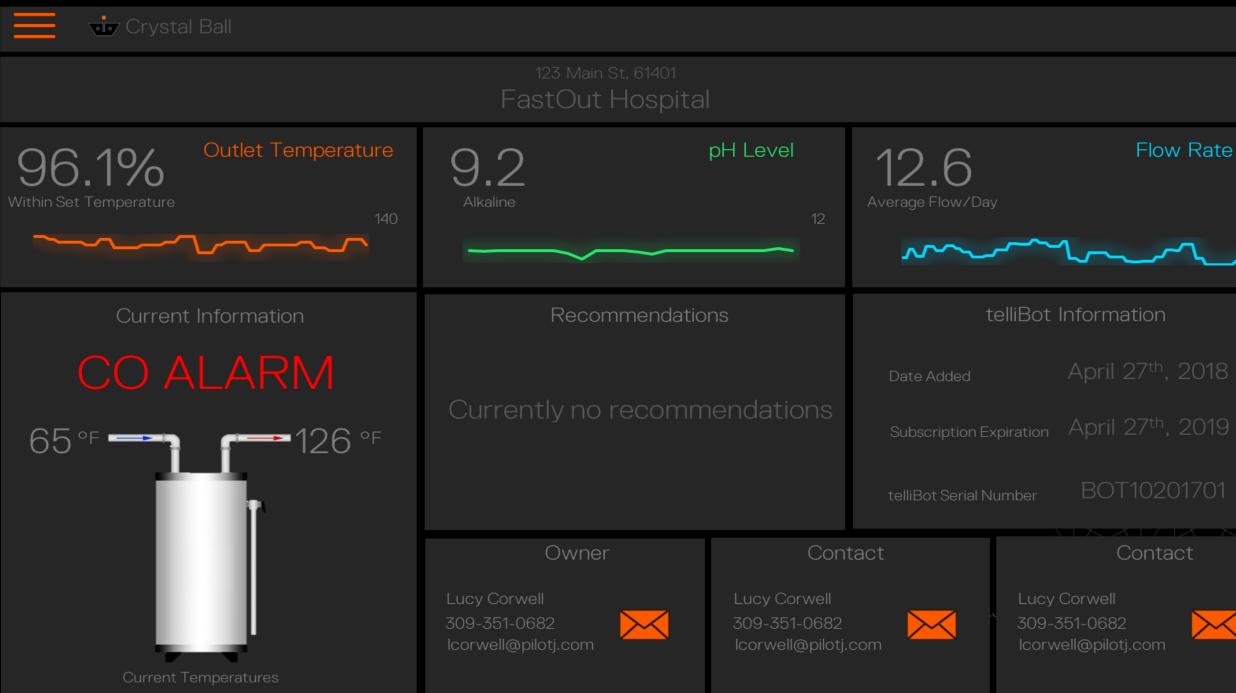


Al in your boiler room

World's First Boiler Room Smartifier





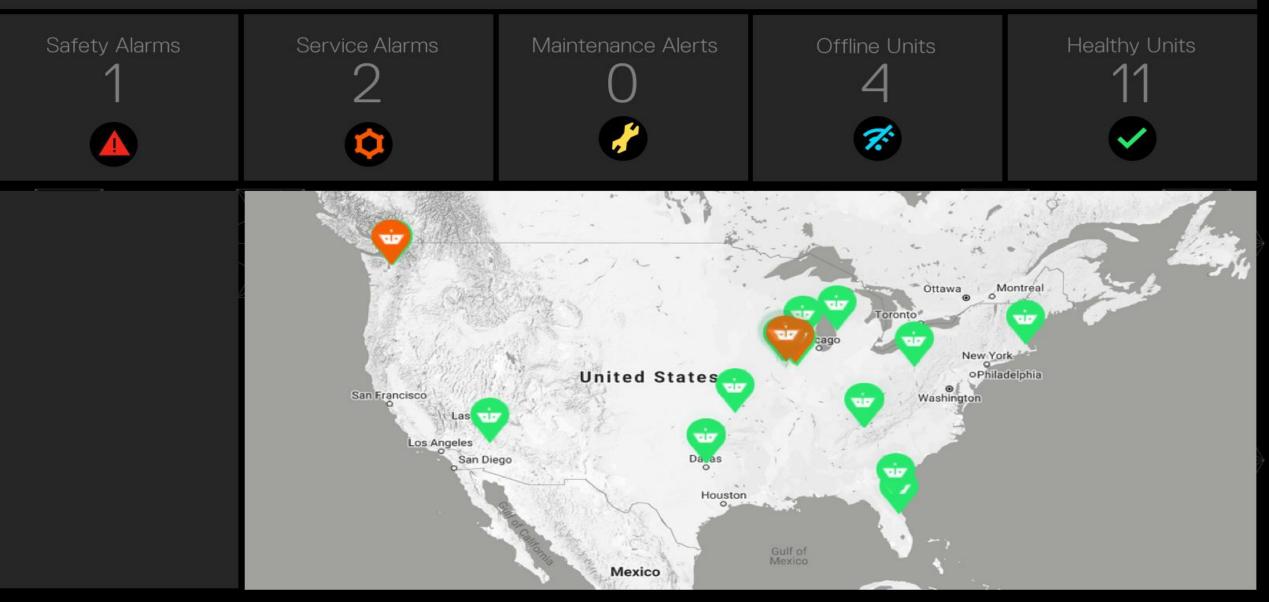


Last Connection – Just Now



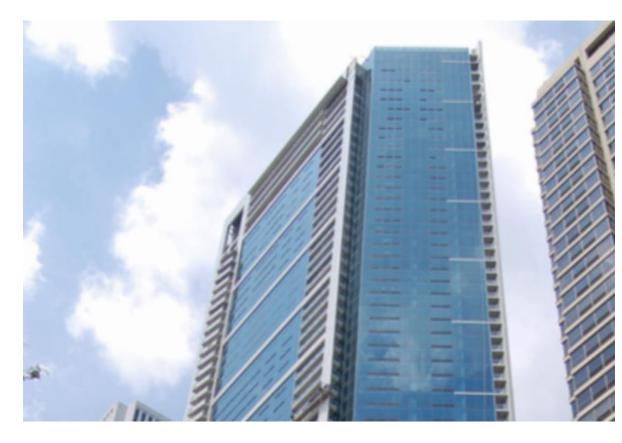
🔘 jonSmith@gmail.com

Welcome Back, Jon Smith! Corporate Overview



Intellihot Value proposition

Cut CapEX 30% + Lower Opex 25 to 70% Cut space need by 80%



Conventional Approach

2x capex 2x redundancy

Intellihot Approach

1x capex 4x redundancy Modularity within each unit eliminates doubling of equipment







Intellihot

We build intelligent energy