



Intellihot

A new way to “hotel” aligns with a new way to heat water!

The Pacific Northwest leads the country in creating more sustainable environments. PAE Consulting Engineers and Columbia Hydronics teamed up to design this new AC Hotel around Intellihot’s equipment and did away with inefficient storage tanks. The property will realize energy savings because the equipment only heats water on demand. This small footprint was a strong value proposition for the hotel.



Industry
Hospitality

Property Details
192 rooms, 12 suites
13 floors

Product Installed
Three iQ751's, Zero Storage

Installed Capacity
2,250,000 BTU/hr
Zero Gallons storage

Installation Date
January 2017

Representative
Columbia Hydronics

Engineering Firm
PAE Consulting Engineers

Contractor
TCM

 I like that the Intellihot system is only heating the water we use in contrast to the old method of continually heating stored water. The Intellihot system maintains very tight temperature control and that is something we don't see in boiler/storage tank systems.
- **Steve Morates, Chief Building Engineer**



AC Hotel by Marriott, Portland, OR

The design of AC Hotels focuses on a beautiful stay and a fabulous guest experience with locations in major urban markets. The AC Hotel in downtown Portland, OR captures the essence of the Portland lifestyle with an added European flair. The property opened for business in February 2017 and the system was installed by TCM, a well-respected Mechanical Firm in Portland.



The Challenge

The common method of heating stored water has always been largely inefficient and the property's managers wanted sustainability at this location. This new hotel was looking for a green design that would keep operating expenses down, yet still meet demand at full occupancy.



The Intellihot Solution

Three iQ751's provide the property with the efficiency and sustainability for which it was searching. The units are designed to handle the highest demands in commercial applications while eliminating the need for storage. Without a tank, the hotel's mechanical room also gains valuable square footage.

Endless water, Zero waste

Our systems are smart; from the moment they start running, they begin to learn typical usage patterns. They adapt, heating up the amount of water you need: no more; no less. While traditional boilers run 24/7/365 waiting to be used, Intellihot systems heat water on demand and keep it flowing when and where people need it. Our process conserves up to 40% of the energy lost in traditional water heating methods. No more waiting, no more wasting.

Less is more

Intellihot saves money, time and space from installation to operation. Our technology gets up and running quickly and costs less to operate month after month. With all the power of alternative systems at a fraction of the size, our design makes space-hogging boilers and storage tanks totally obsolete.

Too smart to fail

What we make performs to nearly impossible standards. As robust as diesel engines, Intellihot systems are built for decades of like-new operation. Reliability is designed into every inch, from maintenance-free heat exchangers to systems that deliver industrial water capacities without risk of single-point failure. The best part? Built in redundancy and no master controller with our patented masterless cascading technology.

Change Made Effortless

Technology should adapt to people, not the other way around. Our systems are simple to install, use and maintain - for our customers and our customers' customers. Even as our innovations operate out of sight, every aspect is crafted to be enjoyable, intuitive and surprisingly smart.