



Intellihot

Brings Hot Water to New Heights

The second tallest luxury residential building in Chicago eliminates over 2,000 gallons of storage and saves 27% gas cost annually without sacrificing comfort for its residents.



We have been very pleased with the installation and performance of the system and proud to be at the forefront of demonstrating an energy-efficiency breakthrough in the building community. Any building that has a domestic hot water boiler capital project in the future should be considering Intellihot.

**-Amy Eickhoff,
Building Manager**



Industry

Multi-family

Property Details

64 floors

344 residences

Product Installed

Four iQ1001s

Installed Capacity

4,000,000 BTU/hr

Zero Gallons storage

Installation Date

March 2015

Heater location

Top floor penthouse

340 On the Park - Chicago, Illinois

340 On the Park is a 68-storey luxury condominium tower located next to the Millennium Park in Chicago, and was completed in 2007. It is currently the second tallest all-residential building in Chicago, with 68 floors, which houses 344 residential units, and these are a combination of multi-bathroom and multi-bedroom units. The first residential tower in the Midwest to achieve Silver LEED Certification for its “green” design, it also boasts a large winter garden for its residents.



The Problem

The previous water heating system consisted of two commercial 2 million BTU tank type heaters with over 2,000 gallons of storage. The units were located on the penthouse floor of the building and were in various stages of failure within 7 years. The labor and helicopter service necessary to replace the two boilers were not covered by their warranty.



The Intellihot Solution

Four iQ 1001 units were installed and cascaded together, to create a combined capacity of 4 million BTUs. Intellihot's ingenious method of masterless cascading ensures high reliability along with limited down-time. Intellihot's plug and play set up ensured a rapid change out without a need to re-balance the entire building.

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.