

HOSPITALITY solutions

 **navien**

SITUATION

The Oxford Hotel in Denver guts its outdated boilers and water heaters in favor of modern technology — can they keep the historic character of the hotel while also improving total performance and helping achieve sustainability goals?

The iconic Oxford Hotel is a living testament to Denver's rich history and architectural legacy. Since its opening in October 1891, the Oxford has welcomed travelers from far and wide, offering a glimpse into Denver's storied past and a taste of its vibrant present. Today, as the city evolves, The Oxford Hotel remains a hospitality destination, blending historic charm with modern amenities.

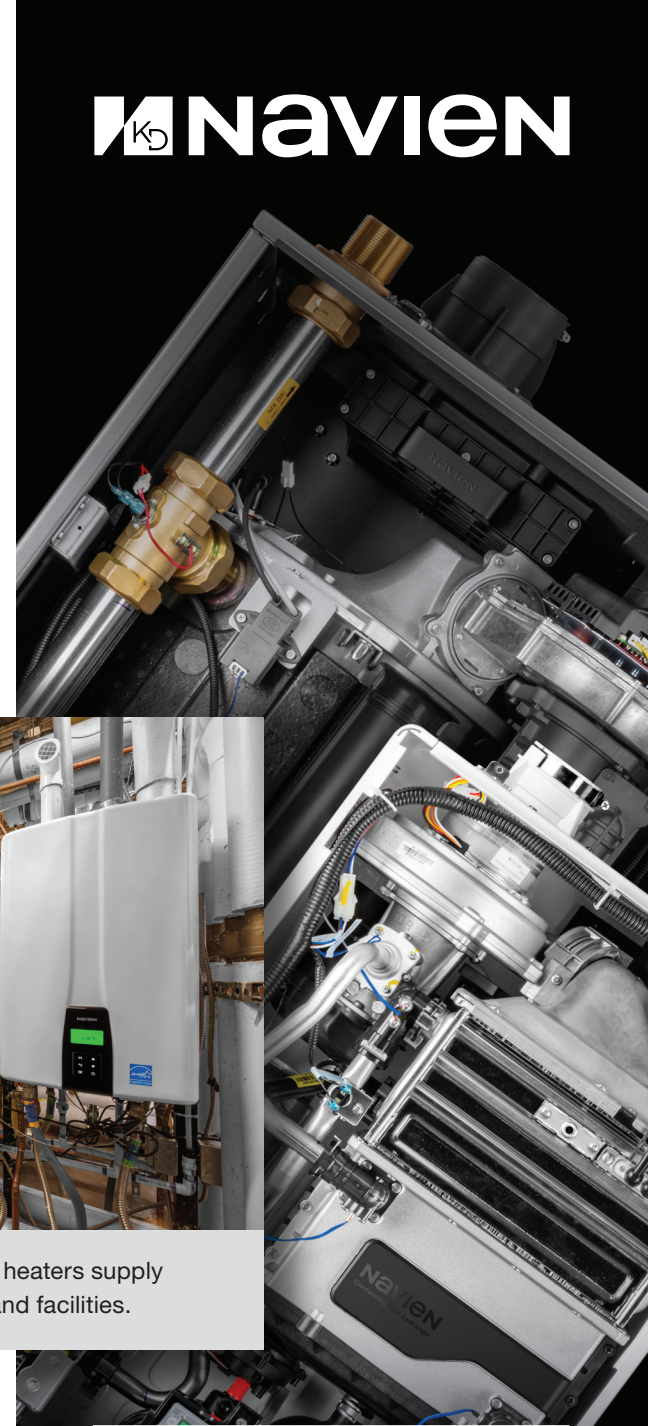
As Denver grew, so did The Oxford Hotel. Over the years, the hotel has undergone numerous renovations and updates to ensure that it remains a premier destination for travelers. One of the most significant updates to The Oxford Hotel came in the form of replacing an aging boiler system with a new heating and domestic hot water system.



14 high-efficiency NPE-2 tankless water heaters supply endless hot water to the hotel's guests and facilities.



The new Navien system, including nine NFB-C boilers, replaced two 40-year-old 4,000,000 BTU/h cast iron boilers that originally provided heating and DHW for the aging building.



CASE STUDY

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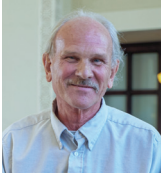
THE OXFORD HOTEL DENVER, COLORADO

HYDRONIC HEATING AND DHW FOR THE FOLLOWING:

- 80 HOTEL ROOMS
- RESTAURANT AND BAR
- BANQUET HALLS
- TWO COMMERCIAL KITCHENS
- HEALTH CENTER WITH SPA, SAUNA, STEAM ROOM, SHOWERS AND BATHROOMS
- COMMERCIAL LAUNDRY

SOLUTION

The hotel chose HBC Mechanical out of Frisco, Colorado to install an entirely new setup. HBC Mechanical worked with Priest-Zimmerman, Inc. and the Navien commercial sales team to spec out an installation that included nine Navien NFB-399C high efficiency condensing boilers and 14 Navien NPE-240A2 tankless water heaters.



“The Navien system offered us the perfect solution to modernize our heating and hot water capabilities without compromising the hotel’s historic character.”

Mike Michna, Chief Engineer at The Oxford Hotel.

“Preserving the integrity of the Oxford Hotel’s infrastructure while upgrading its mechanical systems requires a delicate balance between tradition and innovation. The installation process was streamlined by the compact design of the units and the unique way the manifold system is constructed. The Navien boilers and tankless water heaters gave us a flexible and efficient solution to our heating and hot water needs,” says Michna. “By combining multiple units in a modular configuration, we were able to tailor the system to the hotel’s specific requirements while maximizing energy efficiency.”

SUMMARY/BENEFITS

The Navien system’s energy efficiency and reliability have had a tangible impact on this historic Hotel’s operational costs, environmental footprint and sustainability. They also help meet the goals of the Energized Denver Initiative, which provides incentives and benchmarks for commercial buildings to reduce their carbon footprint and greenhouse gas emissions by 80% by 2040.

“Since its installation, we’ve seen significant improvements in energy efficiency and reliability,” says Michna. “I knew it would save money — I didn’t know how much. It started immediately saving us 30% right away, before winter hit. Now during mid-winter, we hit 42% savings on gas usage, which was amazing. It only took us five months before seeing the savings every single month reach thirties and forties.”

“The Navien boilers and water heaters have exceeded our expectations, providing consistent heating and hot water to our guests.”



“We are thrilled with the results of the Navien system. Not only has it improved the guest experience, but it has also helped us reduce our environmental footprint.”

Julie Dunn, Public Relations Rep for The Oxford Hotel.

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