

# Barnes-Jewish Hospital Engages AQUIS to Refurbish Critical ICU Air Handler

## CHALLENGE

Barnes Jewish Hospital is a not-for-profit 1,300+ bed facility located in St. Louis, Missouri, and has earned a consecutive 25+ year run as one of the Best Hospitals in the U.S., according to U.S. News & World Report.

An older air handler serving two ICUs had become increasingly problematic. The unit was leaking water, and the chamber floor was rusted and corroded. Replacement wasn't an option due to the unit's location, and a solution was needed to restore its operational and structural integrity. Since the AHU served two ICUs, downtime for repairs was a concern, as was ensuring full compliance with Health & Safety, Infection Control, and TJC.

"I was familiar with AQUIS and needed to completely retrofit a critical AHU. After installing new cooling coils, controls and dampers, I hired AQUIS to refurbish the entire shell of the unit. The installation was very professional, and the overall quality was excellent. Upon completing the project, I invited personnel from Health & Safety and Infection Control to inspect the unit, and they were equally impressed. We look forward to working with AQUIS again."

— Tom Knight, Plant Engineer

## SOLUTION

AQUIS refurbished this critical AHU as follows:

- Chamber floors were sealed with AQUIS' patented CPR-SL composite coating system, which halts corrosion, restores structure and stops leaks.
- Chamber walls, ceilings, and fan housings were sealed with a special antimicrobial coating that repels odorcausing mold and bacteria.
- The AHUs environmental integrity was restored in full compliance with ASHRAE, NFPA and TJC requirements, enhancing indoor air quality.
- Installation was done efficiently, with minimal downtime, and without VOC's nor odors.



Leaders in Air Handler Renewal