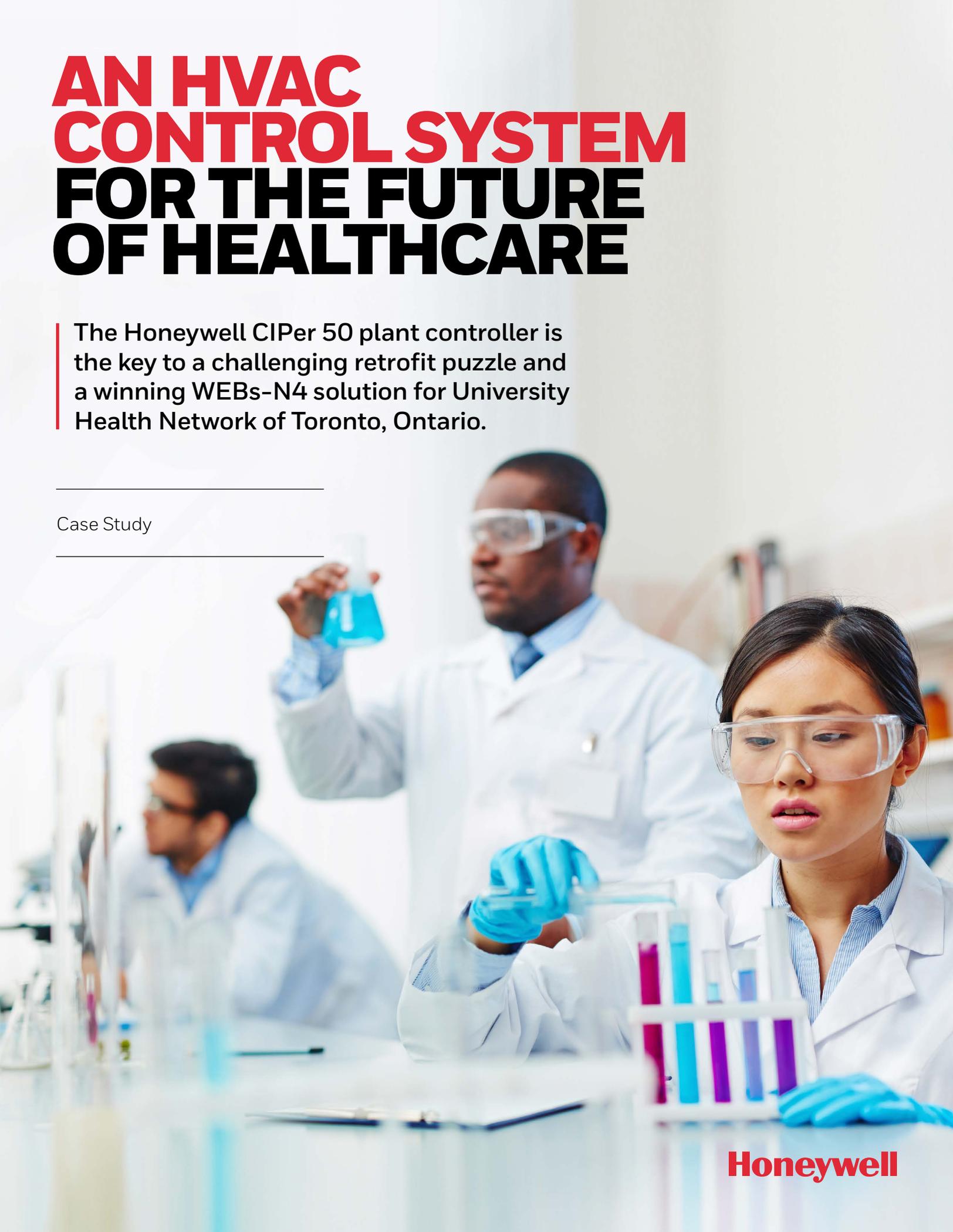


AN HVAC CONTROL SYSTEM FOR THE FUTURE OF HEALTHCARE

The Honeywell CIPer 50 plant controller is the key to a challenging retrofit puzzle and a winning WEBS-N4 solution for University Health Network of Toronto, Ontario.

Case Study



Honeywell



University Health Network (UHN) of Toronto is North America's largest medical research organization, and their research is cutting edge. Yet until recently, their HVAC control was another story: an old, patchwork system that was increasingly showing its age and limits. So when UHN decided it was time for a reliable, efficient system that can adapt as the demands grow, they turned to Honeywell and AIRON Group of Companies for an answer that would endure.

THE SOLUTION

A "band-aid solution" might be just right for a skinned knee, but for UHN, that approach was wearing thin with their outdated HVAC controller system, which had been limping along for years with one stopgap fix after another. They wanted a modern platform, preferably with easy scalability and automation.

After evaluating multiple options, the team hit on the perfect fit: niagara based Honeywell's CIPer 50 Plant Controller.

Finally, the team hit on the perfect fit: the Honeywell CIPer 50 Plant Controller.

The CIPer 50 has built-in HOA switches and I/O modules, so with a license to scale to 400 points, it proved more economical than other solutions along with greater front-end functionality. The CIPer 50 panel also dramatically improved the chaotic wiring of the old system, enabling installers to avoid the nightmare of home running all the wires back to the controller. Ultimately, AIRON and Honeywell designed a panel fitted to the small installation area, which easily accommodates the CIPer 50, its compact I/O modules, and a WEB-8000 Controller to connect the system to a Niagara 4 platform.

THE CHALLENGE

- Replace antiquated controller system, patched together by years of modifications
- Upgrade and optimize within the same small panel area
- Monitor about 60 points, with the probability of more over time
- Integrate about 40 VAV (variable air volume) units
- Controller must include a physical Hand-Off-Auto (HOA) switch



And for University Health Network, it means they can finally keep their band aids where they're most needed. The WEBS-N4 system gives them even more efficiency and automation than they'd hoped for, with great potential for future adaptation.

For more information

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