

IN THE KNOW WITH



LEARN ABOUT THE LATEST RAE COILS SOLUTIONS

WWW.RAE-COILS.COM

MARCH 2020

QUICK RESPONSE IN WAKE OF COVID-19

[Negative pressure rooms](#) are important to help contain infectious diseases. Take a minute and read how RAE Coils is responding to the needs of hospitals and triage treatment locations. If you know of hospitals that could benefit from this solution, contact your RAE Coils Account Manager or email coilssales@rae-corp.com.



CHALLENGE QUICKLY INCREASE AMOUNT OF NEGATIVE PRESSURE ROOMS FOR GROWING COVID-19 CASES

The hospital was in need of more negative pressure rooms within the next 7 to 14 days. And by converting a number of its standard positive pressure space to negative, the hospital could provide additional prevention of COVID-19 migration throughout the hospital while serving the peak load of patients with COVID-19.

Here are some of the challenges of this project:

- The current air handling unit was not designed for 100 percent O/A, which is necessary for the additional negative pressure rooms.
- There was also a need to increase the coil cooling capacity without adding additional static pressure in order to keep the existing supply fan.
- This all had to be done quickly and seamlessly so the hospital had very little downtime.

SOLUTION PLUG AND PLAY COIL BOX THAT ALLOWS SAME DAY UPGRADE

Here are some of the solutions for this project:

- Designed a coil box to work with the existing air handler. This was comprised of pre-filter slide racks, a PH Coil and a Cooling Coil with integral drain pans.
- Coil Box assembly shipped in less than 10 business days.
- Minimized downtime by making it easy for the contractor to demo a section of the AHU upstream from the supply fan and to quickly drop the new coil box assembly into place.

KEY TAKEAWAYS HOW RAE COILS MADE IT HAPPEN

- The hospital quickly increased the number of infectious disease rooms with no downtime to core isolation rooms.
- The coil box was designed to be a drop in solution with minimal field installation time.
- This is a great example of American ingenuity and how the HVAC Industry can help.