



# WUHAN – Expect more!

## COVID-19 – A story in only seven days

The spread of the coronavirus keeps the world in suspense. The Chinese government has taken drastic measures to combat the virus. The main focus is on preventing the spread of the virus, but also on treating patients.

Within a very short time, two hospitals were built in Wuhan, the most severely affected area. Further hospitals followed the example.

Huber & Ranner China contributed an important component. The company supplied special exhaust air units and a package of Heating-Boxes.

The handling of the exhaust air is a particularly sensitive issue, because without special treatment the viruses would possibly be released into the open air. Therefore, the exhaust air units are equipped with three filter stages and electric air heaters heat the air especially to over 56 degrees, so that the viruses are reliably destroyed.

Huber & Ranner was also awarded the contract because of its innovative support tool X-CARE, which thanks to augmented-reality allows the fastest implementation under the most difficult conditions.

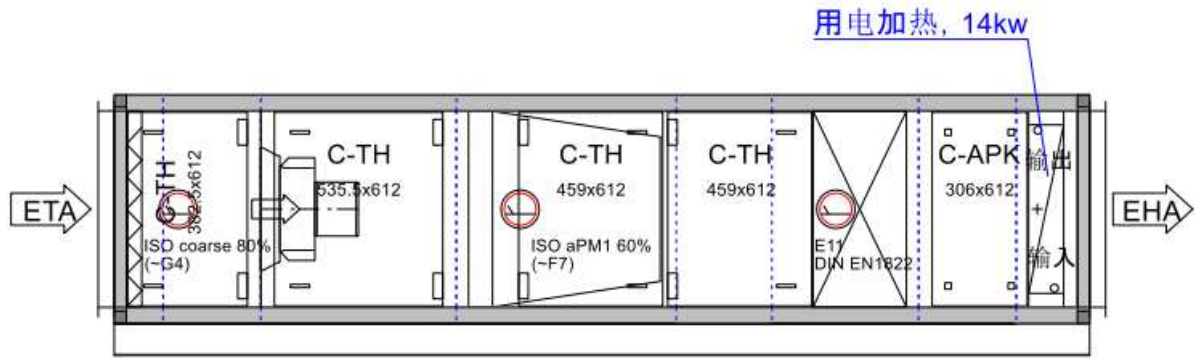
In Wuhan, specialists from Huber & Ranner's headquarters were able to use this application to support the Chinese construction company from a distance during installation and commissioning.

The systems were of decisive importance for the safety of the emergency clinics. The danger of infection around the clinic was thus minimized.

**HY-CASE**

**X-CARE®**

**HUBER &  
RANNER**  
EXPECT MORE.



### Challenge 1

In the case of emergency hospitals, only three days were allowed to elapse between the time of request and delivery. Actually impossible. Within a short time the Chinese branch of Huber & Ranner supplied the two emergency hospitals in Wuhan with the urgently needed exhaust air units and heating boxes.

When Huber & Ranner China was asked to deliver the necessary devices as quickly as possible, the telephone wires were running hot. "Normally we have a delivery time of six to eight weeks for such ventilation units," says CEO Billy Yang. Fortunately, Huber & Ranner's Taicang branch, about 50 kilometers from Shanghai, was producing the required ventilation units in a similar form. So the employees of Huber & Ranner China

contacted the customer for whom these units were intended: The circumstances were quickly clarified and the agreements were made. Thus the pharmaceutical company cut back in favor of the emergency hospitals in Wuhan and the devices could be modified immediately and delivered to Wuhan.

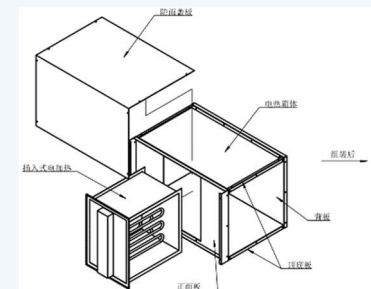
### Challenge 2

The exhaust air units were centrally positioned in areas at risk. In addition, the numerous individual modules, so called Heating-Boxes, had to be installed in the duct system throughout the hospital. "The fact that X-CARE offered the possibility to help quickly and easily with technical problems was one of the reasons why the Chinese authorities decided in favor of our solution," says Managing

Director Dietmar Huber. This made it possible to support the installation and commissioning live and directly on site from the Chinese plant 1,000 km away, or even from Germany, and thus to offer the necessary security during installation.

All in all, over 600,000 m<sup>3</sup>/h of air are treated in this way. The successful concept was also immediately applied in the hospitals of Shanghai (240.000 m<sup>3</sup>/h) and Hubei (320.000 m<sup>3</sup>/h).

A total of 80 exhaust air units and heating boxes in power classes between 10 and 55kW were delivered for the project to treat the exhaust air.



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