

Emerson technology and consultancy services help Absaugwerk bring mobile air purifier to market faster

RESULTS

- Brought new product to market in just two months
- Reduced development time
- Created premium design with simple operation
- Easily customizable end-user advertising screens



APPLICATION

Touchscreen control system for new mobile air purifier.

CUSTOMER

Absaugwerk GmbH – Neu-Ulm, Germany.

Absaugwerk is an industrial filtration manufacturer specializing in wet separation, dust collection, smoke filtration and oil mist separation. XTRACTION® is a brand of ABSAUGWERK GmbH that develops and produces special extraction solutions, serving cross-sector niche markets.

CHALLENGE

To generate a new business stream, industrial filtration specialist Absaugwerk, wanted to develop a mobile air purification device to provide air filtration in public spaces like airports, hotels, restaurants or offices. The device, which will help reduce the spread of viruses bacteria and germs, needed to be easy to operate, compact, secure, quiet and have a premium aesthetically strong design to provide the public with confidence about the air quality in the room. Knowing the devices would be visible to the general public, XTRACTION also wanted the touchscreen controller to be able to present messages and advertising, thereby creating a unique selling point for the device. A major challenge for XTRACTION was that the company did not have in house programming expertise, which was required to develop the control system and user interface.

“VITAPPOINT® air purifiers are a premium product that will be used worldwide. Our top priority was therefore to work with a reliable partner that could provide high quality support anywhere in the world. The user interface created by Emerson was very customer-oriented and fast to complete, which reduced the product development time enormously.”

Tobias Mändle
General Manager
Absaugwerk GmbH

SOLUTION

Working closely with Emerson, XTRACTION has created the VITAPOINT® mobile air cleaner for quiet air filtration in commercial settings. The device uses multiple filters to improve air quality and has an automatic disinfectant dispenser with motion sensor. An integrated control panel enables setup, control and maintenance to be performed easily and without the need for IT expertise.

Emerson provided XTRACTION with a turn-key touch panel solution for the control of the device. Because XTRACTION did not have in house programming expertise, Emerson developed a complete software solution that met their system control and automation needs. Emerson's Rxi Panel PC was selected because of its aesthetic design, responsive and user-friendly 24" touch screen, Wi-Fi connectivity, built-in cybersecurity and powerful processing capabilities. The touch screen provides the controls for filtration operation, whilst a portion of the screen can display end-user messages, air quality information or third-party advertising.

Emerson's PACSystems™ RSTi-EP I/O is used to gather sensor data from the mechanical filters, pumps and fans with its compact design helping to minimize the overall footprint of the device. The responsive and consultative approach from Emerson was critical in bringing the VITAPOINT® product to market in just two months, while easy integration of electrical control and mechanical components helped to reduced development time.

RESOURCES

Emerson Industrial Automation and Controls

www.emerson.com/PACSystems

Industrial Monitors

www.Emerson.com/en-us/automation/control-and-safety-systems/industrial-computing/industrial-monitors

XTRACTION VITAPOINT Brochure

www.XTRACTION-GERMANY.de



The touch screen of Emerson's Rxi Panel PC provides easy to use controls and displays air quality information and third-party advertising.

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