

compactfiltertechnik

BREATHE THE DIGITAL REVOLUTION

Innovative Solutions for
Control and Process Optimisation:
New CFT Smart Filter Technology



The CFT Smart Filter Control System sets new standards for availability

The digital revolution is changing our workplace and production processes at an ever-increasing pace. And this applies to all industrial sectors and throughout the world.

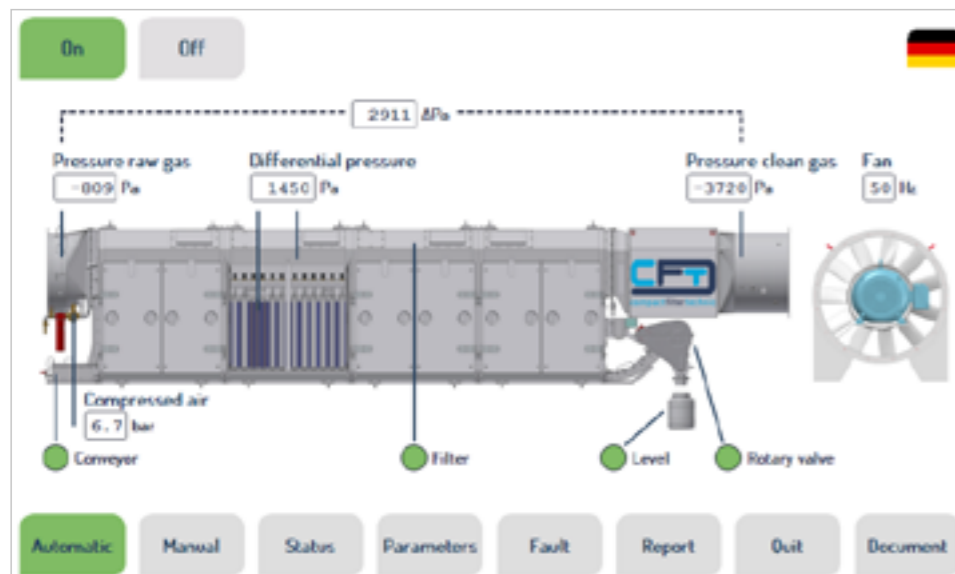
Those organisations that intend to maintain sustainable profits in the future will use the opportunities provided by intelligent and analysable processes to stay one step ahead of their competitors. CFT's Smart Filter Control System helps you in your efforts to take advantage of digitalisation to improve your profitability and process reliability.

CFT Smart Filter continuously monitors and analyses the most important data from the equipment: What is the current flowrate? Are the dust concentration limits being maintained? Are the availabilities of key components within the planned levels? In the event of faults or abnormalities the system displays the relevant information in real time. CFT Smart Filter is networkable to react directly to operational changes. Repair and maintenance work can be programmed pro-actively, downtime can be minimised and operating and energy consumption reduced. Online and from wherever you want it.

The new CFT control system is compatible with all CFT dry and wet dedusting equipment. In addition to stand-alone systems, we also offer online or cloud-based solutions whichever best suits your needs.

Intuitive HMI with customised display: CFT Smart Filter

Compared with others, the CFT Smart Filter control system has the flexibility to be programmed to precisely suit your specific requirements, including bespoke display visualisation. The HMI has an intuitive lay-out to provide you with an instant overview of all relevant data such as:



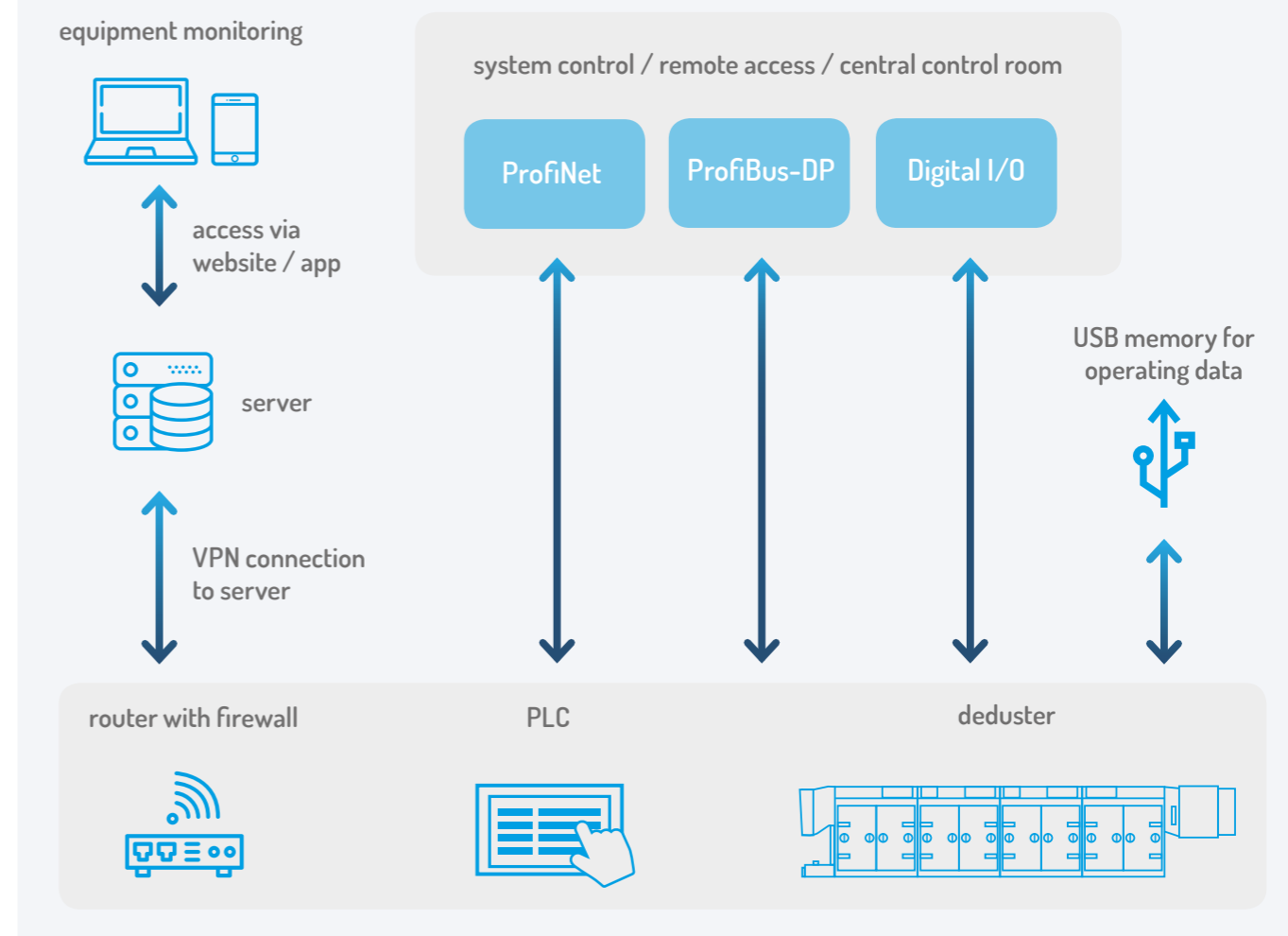
- volumetric flowrate
- pressure drops
- motor speeds
- temperatures
- compressed air pressure
- dust level limits
- power consumption
- voltage and frequency
- operating hours per motor
- current draw per motor
- status indicators

Short reaction times thanks to online control

The main objectives of CFT Smart Filter technology are to enable people, processes and machines to communicate with one another with the aid of intelligent software and to increase the availability of the equipment through short reaction times. The CFT Online Control System makes this possible on the basis of five principals:

1. The networking of man and machine
2. Monitoring and recording of all relevant data
3. Transparency of information via sensor data
4. Technical support with the aid of accumulated and visualised data
5. Simple integration into customer systems with the aid of standard interfaces

Control and process optimisation: the new Smart Filter technology from CFT

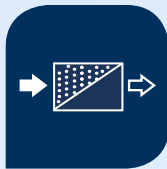


We would be more than happy to help explain how the advantages of the CFT Smart Filter can be introduced into your equipment and work processes with minimal time and effort. Contact us and join the digital revolution!

CFT – BREATHE THE DIFFERENCE

CFT has been supporting customers from the mining and tunnelling industries since 1999 with its wide-ranging expertise in the fields of dedusting, ventilation and the heating and cooling of air. As an innovative system supplier, we can offer you the full range of services from engineering and project planning through to on-site assembly and service. Coming from our own factory in Gladbeck, all CFT products meet the high “Made in Germany” quality criteria.

CFT is part of the CFH Group which is active throughout the world. The holding company brings together a range of subsidiaries and shareholdings under one roof with a common goal: the application of excellent engineering services to create innovative solutions for all aspects of ventilation at the workplace. Cross-sector application, underground, on the surface, across the globe.



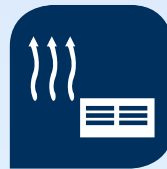
Dedusting



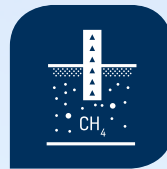
Ventilation



Air cooling systems



Air heating systems



Methane Drainage
and Utilization



Ducts

For more information please visit our website www.cft-gmbh.de or give us a call. We would be pleased to answer your questions and explain to you personally the advantages of the CFT Smart Filter technology in more detail.

We look forward to meeting you!



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MADE IN GERMANY