

# COMPACT – COMPLETE – NO COMPROMISE. X-CUBE COMPACT AIR HANDLING UNITS IN WERTHMANN SHELTERED WORKSHOPS RUN BY CARITAS.

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The Werthmann sheltered workshops in the German town of Attendorn, about 100 km east of Cologne, are a future-oriented institution run by Caritas and based on Christian values. Their mission is 'enabling people to work'. They do this by enabling people with disabilities to work according to their abilities, thereby facilitating their access to sustainable employment and helping them to achieve their ambitions in life and be full members of society.

Healthy indoor air is of very high importance to the organisation in order to ensure the most comfortable conditions for the people in the workshops. The building was renovated last year and adapted to the needs of the occupants. Buildings services were also modernised.

The offices, washrooms and toilets do not require high volume flow rates which is why specialist consultants Gebro-Herwig from nearby Arnsberg opted for two X-CUBE compact air handling units that provide a volume flow rate of 3000 m<sup>3</sup>/h each. Another, weatherproof unit with a volume flow rate of 4200 m<sup>3</sup>/h has been installed on the roof. These configured, ready-to-operate air handling units are ideal for small and medium-sized applications where volume flow rates of only 600 to 6000 m<sup>3</sup>/h are required; they offer all the advantages of innovative room air distribution in the smallest of spaces. The compact units are available at short notice, can usually be shipped in one part and installed immediately without any complicated assembly or installation procedures.

Energy-efficient plug fans with EC motor ensure maximum efficiency and low sound power levels. The air handling units are fitted with rotary heat exchangers that ensure more than 80 % heat recovery.

Setting up the units or linking them to a central BMS is easy with the hand-held control unit that provides intuitive navigation.



*X-CUBE compact air handling unit on the roof of Werthmann workshops in Attendorn, Germany.*



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