



THE LARGEST OUTDOOR AIR CONDITIONING SYSTEM IN THE WORLD

Thanks to evaporative cooling by Condair, millions of pilgrims can enjoy a pleasant climate in the midst of the Saudi heat. Each of the 250 sun umbrellas provides shade for an area of around 600 m².

Extreme conditions

Medina is the second most important pilgrimage site for Muslims and is home to one of the largest mosques in the world. Millions of Muslims make pilgrimages to the Saudi city, which is hot and dry all year round. In order to provide visitors with greater comfort, large umbrellas have been erected to provide protection from the sun.

His Royal Highness, the King of Saudi Arabia, chose Condair's methodology of evaporative cooling. Condair supplied a solution that is capable of distributing 50,000 litres of water per hour. This results in a pleasant and appreciable drop in temperature of up to 10 degrees across the 15-hectare outdoor site, where the temperature rises to 50 degrees Celsius in the shade.

A customised solution

Condair developed a customised pump station that could be integrated into the large sun umbrellas. These pump stations are installed at a height of 6 metres directly below the light fixtures. Condair also supplied the misting nozzles that are installed on the ventilators and discharge vaporised water.



Condair A/S ensures the ideal indoor climate for a wide range of companies and institutions. A select few are shown below:

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Danfoss
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Novo Nordisk
Siemens
Ericsson
Swedwood
Arla
The National Museum
Copenhagen Airport
Arken

Facts about Condair:

Condair was established in 1948 and is the world leading company in commercial and industrial humidification, with a market share of over 20%. Condair is represented with distribution in more than 70 countries and production in Switzerland, Denmark, Great Britain, Germany, Canada and China.

Condair is owned by the Walter Meier Group, which includes a number of globally leading companies in humidification, climate and production technology.

For more information
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