

Cool Energy Provides Sub-Zero Cool Air For Prestigious Event

Berlin - February 5th: Every year in Berlin, Chinese artists host and produce an Ice Art Festival displaying fascinating ice sculptures which attract vast numbers of visitors. Cool Energy were called in to provide specialist cooling equipment to keep the exhibits in the best condition.

The Annual Ice Event

Until next February the icy works of 18 artists will be presented in a 1,200 square-foot warehouse next to the O2 World. With diverse tools the ice artists create filigree motifs, new ones are being added every week: Snow White and the Seven Dwarfs to the five meter high Brandenburg Gate (as shown below). The artist will handle at least 240 tonnes of ice until February, 120 are already on site.



Ice Sculpture of the Brandenburg Gate

Managing the temperature

“The installation has taken two days,” said **Joerg Specht, North German Sales Engineer**. “We have moved 420 meters of water hoses and 700 meters power cable to supply all the water and power distribution. The Low-Temp-Airhandlers have specialist real-time defrosting heaters for the cold water and air at pre-programmed intervals. A thermal imaging camera has documented up to minus ten degrees air off temperature for the ventilation equipment”. The cooling system has been laid out with a calculated power reserve to ensure the required permafrost in the tent even in fluctuating ambient temperatures.



Our local depot in Central Germany

Keeping the site cool

With a powerful refrigeration system Cool Energy holds the artificial winter wonderland constant at a maximum of minus four degrees. Thermal bridges in the tent structure form an additional refrigeration requirement. **A package of four chillers with a total cooling capacity of 520 kilowatts and water flow temperatures of up to minus 13 degrees were supplied along with eight low temp air handling units with capacities from 25 to 50 kilowatts of cooling power per package.**

Cool Energy has 4 locations in Germany – Munich, Stuttgart, Dortmund and Berlin, together with several additional locations throughout Europe, specialise in chiller rental, low temperature cooling with water and air, cooling towers, air conditioning and power rental.

For further details of this application or to register an interest for a future project you may have, please email us: info@icstemp.com.