Nominee: Munters

Nomination title: Oasis™ Indirect Evaporative Cooler 100kW to 100MW

The Oasis™ Indirect Evaporative Cooling system uses Munters Advanced EPX heat exchanger technology, high efficiency fan walls and re-claimed water keeping down the overall costs of running a data centre. The EPX in itself has recently undergone its own transformation with the optimisation of the self-cleaning naturally oscillating polymer tubes, widened surface area and ridged water retaining skin, making for even better and efficient free cooling within the Oasis system.

With 3 modes of operation the Oasis will adapt and keep the data centre cool all year round. Because the system is indirect, the data hall becomes a sealed system, which means no outdoor pollutants can enter the data hall, increasing server lifetime and minimising maintenance.

By optimising the system, a lower PUE can be achieved by the data centre operator / owner

The Oasis Indirect Evaporative cooler was designed to tackle the key elements of data centre desirables such as; Energy efficiency, scalability, low maintenance, availability, flexibility and stability. With an energy efficient solution, this can also lead to massive savings in infrastructure and space. By using any fresh water type you can harvest rain water and run through this system thus cutting down the need for the costs of main waters.

Why nominee should win

Oasis can be configured and designed to fit to most data centre build designs and offers the following benefits and features setting it apart.

- **Munters advanced heat exchanger technology uses self-cleaning polymer tubes**
- **High efficiency EC fan walls**
- **Configurable for Multi-storey design for high rise / multi-level buildings**
- **Multiple airflow configurations for various installations**
- **Zero air mixing**
- **Scalable cooling capacity so it can grow with your data centre**
- **Use with any fresh water type including rain water for low water costs**