

OASIS™ PRODUCT GUIDE

INDIRECT EVAPORATIVE COOLER

Data Centres

Energy efficient free cooling

EPX technology

Class leading performance

Fully configurable solutions

Data Centre Cooling

 **Munters**
Your Perfect Climate

Critical cooling for data centres

WELCOME







Munters is a global provider of energy efficient air treatment systems with over 300,000 air treatment systems installed worldwide, offices in 30 countries and over 3,000 employees. We are the leading international provider of evaporative air cooling, temperature and humidity control solutions.

Oasis™ Indirect Evaporative Cooler (IEC) has been developed to satisfy the specific requirements of today's data centres.

Munters solutions provide low partial PUE results, reduced CO2 emissions and high energy savings. With a wide range of technical solutions to suit all types of critical facilities, Munters really can provide Your Perfect Climate

OASIS™ IEC
PRODUCT GUIDE

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Critical cooling for data centre and telecom facilities

INDIRECT EVAPORATIVE COOLING

A range of flexible service options available

FEATURES - OASIS™ IEC

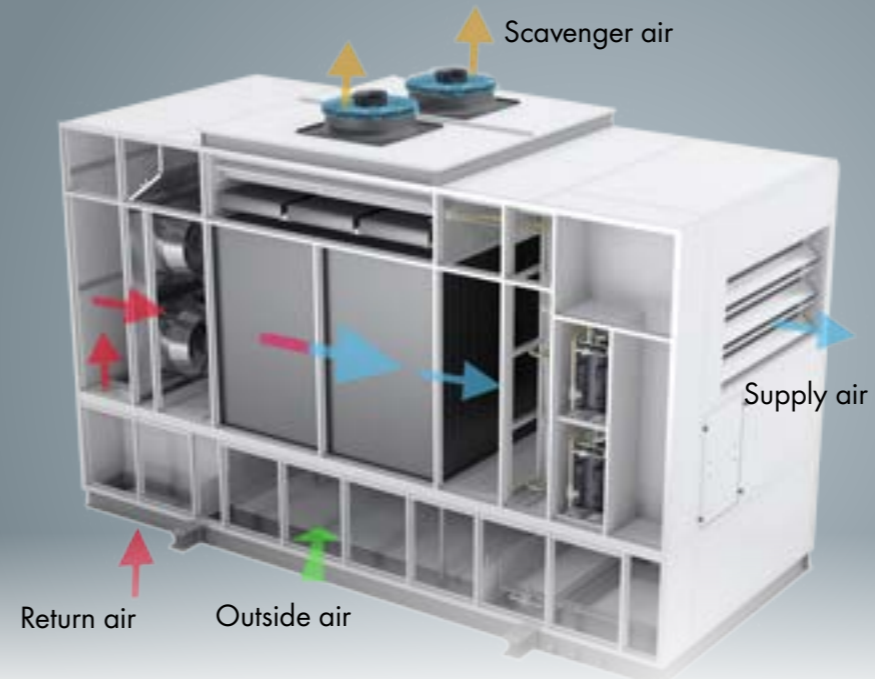
- ✓ Up to 500kW cooling capacity per unit
- ✓ Zero particulate and gaseous contamination
- ✓ Fully packaged, compact systems
- ✓ Configurable design
- ✓ Multi stage operation
- ✓ Low maintenance
- ✓ Munters heat exchanger technology - EPX
- ✓ Suitable for all types of fresh water
- ✓ High efficiency fan wall

Proven award winning core technology providing reliable class leading performance



Oasis™ Indirect Evaporative Cooler
Energy efficient data centre cooling using EPX technology

EFFICIENT COOLING | 3 MODES OF OPERATION



EPX technology
Evaporative polymer heat exchanger provides single step indirect cooling. Works with any fresh water type

UNIQUE DESIGN | PROVEN TECHNOLOGY

See how it works munters.com/datacentres

OUR PORTFOLIO OF DATA CENTRE SOLUTIONS INCLUDE



Cooling



Make up air units



Humidification

Direct Evaporative Cooling
Complete AHU's & Sub-systems

DATADEK™

Humidification
Self contained units for direct adiabatic humidity control

HUMIMAX™

Indirect Evaporative Cooling
Packaged systems

OASIS™

Design Software
Data centre cooling design software

GENESYS

Make up air
Complete your design with integrated make up air units

MUA

Cool Care
Flexible options for warranty, service and parts

SERVICE

SERVICE

Service options to suit you, from critical spares to full training and education.

Cool Care

Flexible service and support solutions, tailored to suit your needs.

24/7 365 SUPPORT

OFFERING

- ✓ Flexible service plans
- ✓ Remote monitoring
- ✓ 24/7 365 Support
- ✓ Extended warranty options
- ✓ Critical spare parts
- ✓ Dedicated training facility

In-house dedicated service teams. Global application expertise.

CASE STUDIES

Oasis units are successfully cooling data centres around the globe while helping to achieve challenging energy efficiency targets. Here are just a few examples from a long list of delighted customers.



DigiPlex - Norway

"Driving forward energy efficiency in our industry is major focus for us and this system halves the amount of energy used to keep our servers working at an ideal temperature."

Greg McCulloch, Chief Operating Officer

10MW COOLED

Read the full story
munters.com/digiplex

Mentor Graphics - US

"The result of using this quality equipment and the detailed design process has allowed us to be efficient on day one, and from this point on we are saving money, energy, and everything is working correctly."

John Wozniak, MGC's Infrastructure Technician

1 MW COOLED

Read the full story
munter.com/mentographics



Data Inn - Lithuania

"The high efficiency and innovative design were the main reasons we chose Munters' Oasis™ IEC. These units offer a high degree of flexibility, with the possibility of operating the system in different cooling modes – depending on weather conditions."

Edvinas Bakanas, Product Dev. Manager

2.5MW COOLED

Read the full story
munters.com/datainn

Equinix LD6 -UK

"LD6 is a hugely exciting project; the facility will be the most advanced data centre in the UK. We are committed to providing continuous improvement for our customers and set new standards in efficiency and sustainability."

Russell Poole, Managing Director of Equinix UK

8MW COOLED

Read the full story
munters.com/equinix

For further details on Munters data centre installations please visit www.munters.com/datacentres

DATA CENTRE TESTING FACILITIES



Arrange a visit to our fully functional simulation cooling facility

The Munters test facility - located within the Belgian Manufacturing plant in Dison, is able to simulate different load performance tests under a wide envelope of simulated external conditions.

- ✓ Leakage testing
- ✓ Controls and Alarm simulation testing
- ✓ A visual inspection of the unit
- ✓ Variable load/performance testing, 1.7°C up to 33°C WB
- ✓ Real server rack simulation over 300kW load

Fully calibrated & certified by
LEUVEN KUL University

SUSTAINABILITY

As a global leader in energy efficient air treatment solutions, we at Munters take our Corporate Social Responsibility seriously. We understand how we impact the world we all live in.

This is why at Munters we work every day to create "Your Perfect Climate". For our customers we provide products and solutions that reduce their energy consumption. This contributes to the reduction of the world's emissions.

In our manufacturing we have a sustainable approach, focusing on efficient usage of natural resources, while reducing and recycling our waste. Because at Munters, one of our core values is to think "there is always a better way".

We have made significant improvements but we pledge to always seek opportunities to improve our products as well as our manufacturing practices.

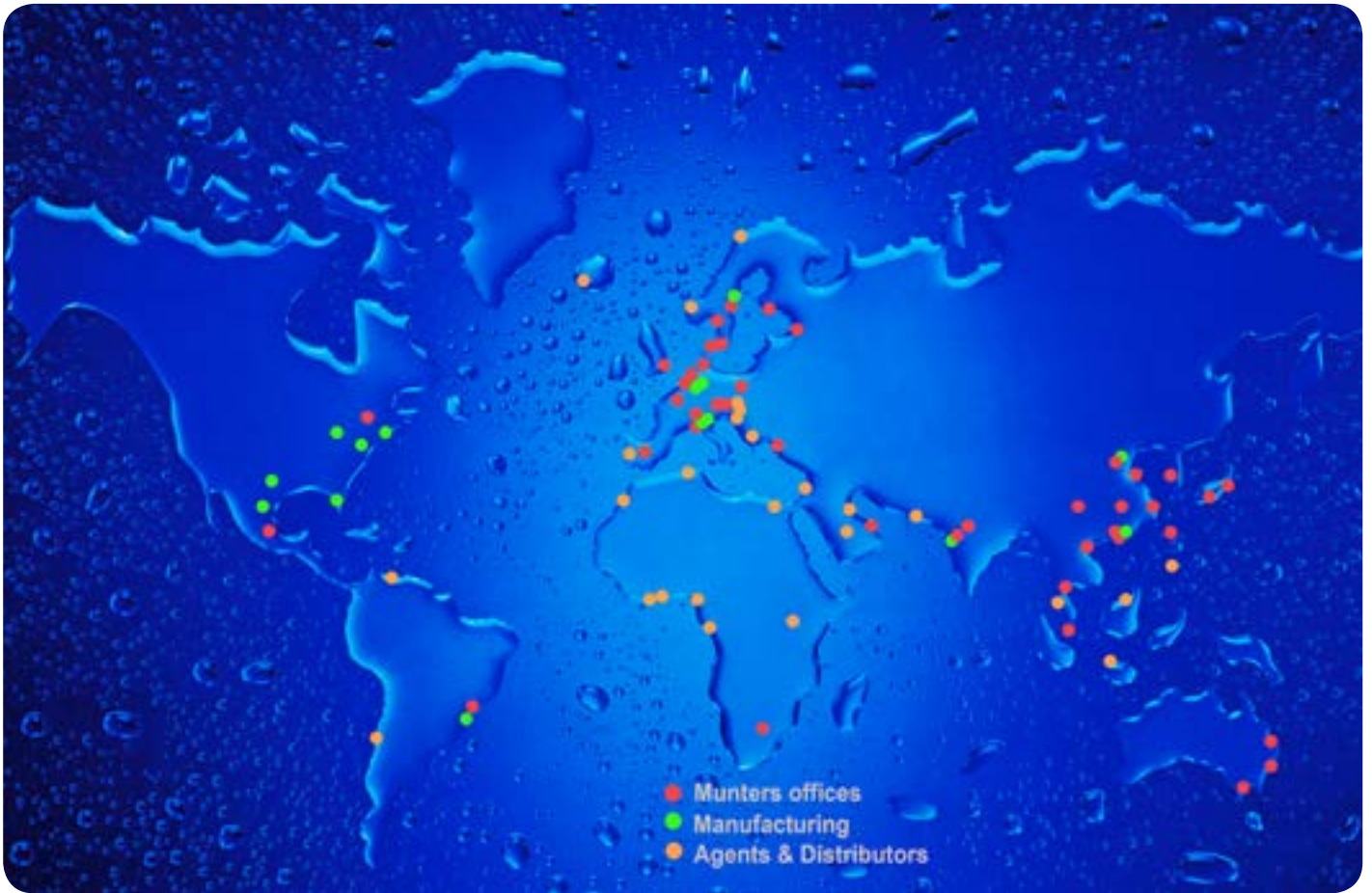
Munters will continue to be a part of creating a sustainable future for everyone.

Environment, Health & Safety

Munters is committed to environmentally friendly and compliant operations.



"We take our Corporate Social Responsibilities seriously."



An international name, where the customer comes first.

Munters, part of Nordic Capital, has offices in 30 countries and over 3,000 employees in many branches around the world. We are global leaders in energy efficient air treatment for comfort, process and environmental protection. Munters shares ideas within its international network, giving the Group an outstanding reputation as a reliable, fast-acting and customer-orientated expert in air conditioning. Munters philosophy of customer satisfaction is central to our decision-making. When developing and manufacturing our systems, we see happy customers as our number one target. And this is what our employees strive to ensure every day.

For more information on Munters, please visit www.munters.com/datacentres



[Australia](#) Phone +61 2 8843 1588, dh.info@munters.com.au [Austria](#) Phone +43 1 6164298-0, luftentfeuchtung@munters.at
[Belgium](#) Phone +32 1528 5611, info@muntersbelgium.be [Brazil](#) Phone +55 41 3317 5050, munters@munters.com.br
[Canada](#) Phone +1 905 858 5894, dhinfo@munters.com [China](#) Phone +86 10 8041 8000, info@munters.com.cn [Czech Republic](#) Phone +420 544 211 434, info@munters-odvlhcovani.cz [Denmark](#) Phone +45 4495 3355, info@munters.dk
[Finland](#) Phone +358 20 776 8230, laitemyynti@munters.fi [France](#) Phone +33 1 3411 5757, dh@munters.fr [Germany](#) Phone +49 4087 96900, mgd@munters.de [India](#) Phone +91 20 668 18 900, info@munters.in [Italy](#) Phone +39 0183 52 11, marketing@munters.it [Japan](#) Phone +81 3 5970 0021, mkk@munters.co.jp [Korea](#) +82 2761 8701, munters@munters.co.kr [Mexico](#) Phone +52 722 270 40 49, munters@munters.com.mx [Netherlands](#) Phone +31 172 433231, vochtbeheersing@munters.nl [Poland](#) Phone +48 58305 3517, dh@munters.pl [Singapore](#) Phone +65 6744 6828, info@munters.com.sg
[South Africa](#) Phone +27 11 997 2000, info@munters.co.za [Spain](#) Phone +34 91 640 09 02, marketing@munters.es [Sweden](#) Phone +46 8 626 63 00, avfuktning@munters.se [Switzerland](#) Phone +41 52 343 8886, info.dh@munters.ch [Thailand](#) Phone +66 2642 2670, info@munters.co.th [Turkey](#) Phone +90 216 548 1444, info@muntersform.com [UAE](#) +971 4887 6462, middle.east@munters.com [United Kingdom](#) Phone +44 8708 505 202, dryair@munters.com [USA](#) Phone +1 978 241 1100, dhinfo@munters.com [Vietnam](#) Phone +84 8 8256 838, vietnam@muntersasia.com

Global inquiries to:
+44 (0) 1480 410223
datacentres@munters.com
munters.com/datacentres