- **SITUATED IN AN UNCONGESTED ENVIRONMENT WITH NO TRAFFIC JAMS, JUST 5 MINUTES FROM THE MOTORWAY**
- **SHUTTLE SERVICE TO AND FROM THE STATION**
- **SERVED BY TWO AIRPORTS (IN OSTEND AND ZAVENTEM)**

# DCO2 Datacenter

CARRIER NEUTRAL DATACENTER

> **The green datacenter DCO² gives customers freedom of choice in selecting a carrier and provides a "state of the art" datacenter experience.**



## ⚡ POWER

Equipped with up to 20 kW per Rack

UPS A and B feed

Feed diesel generator set, 2-day diesel supply, delivery contract with diesel supplier

Redundant high voltage cabinets with a capacity of 5 MW.

PDU options in racks with A and B feed up to 128 A maximum

## ❄ COOLING

2N cooling systems

» In-row cooling with hot aisle containment
» Full free air cooling with humidity control and adiabatic cooling

22 °C in the server rooms

Water buffer with 4 million litres of cooling water
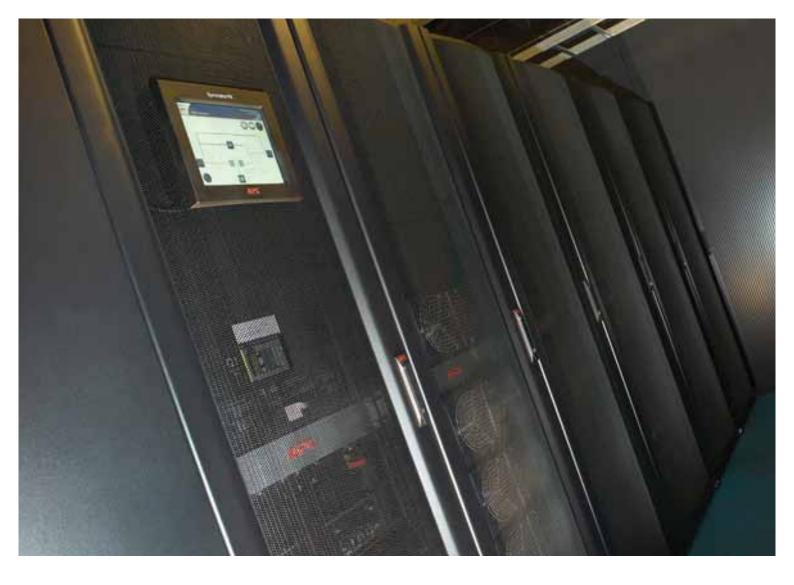
## 🌐 NETWORK

Carrier neutral datacenter.

Spacious meet-me-room

Management of several miles of own duct to see to all network needs

Network acquired directly from the network provider

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DOC021C

## 🔓 SECURITY

Biometric palm vein access control

Racks opened electronically by biometric data recognition + EID

360-degree camera security with 24/7 movement detection.

24/7 NOC

Perimeter security; biometric control in each compartment

## 🔥 FIRE PROTECTION

Possible flammable substances are detected with a VESDA system

Equipped with a MIST extinguishing system activated in segments

24/7 monitoring of the temperature; a small rise in temperature is reported immediately

All electrical cables are installed in advance; all ducts are under thermal surveillance

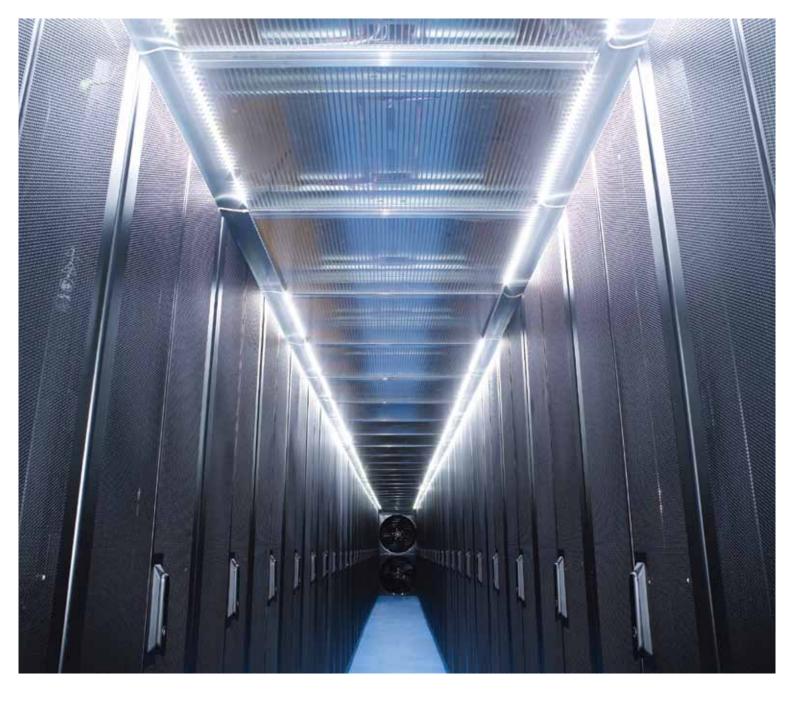The building is fully (100%) covered by extinguishing systems

## 📈 MONITORING

All services are monitored 24/7 by 2 independent systems

Our technical team stands ready 24/7 to intervene when necessary

The NOC can be fully remote controlled

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## ☑ QUALITY CONTROL

ISO 27001

24/7 monitoring of power, temperature, humidity, access security

All wiring is visible for the sake of thermal camera surveillance
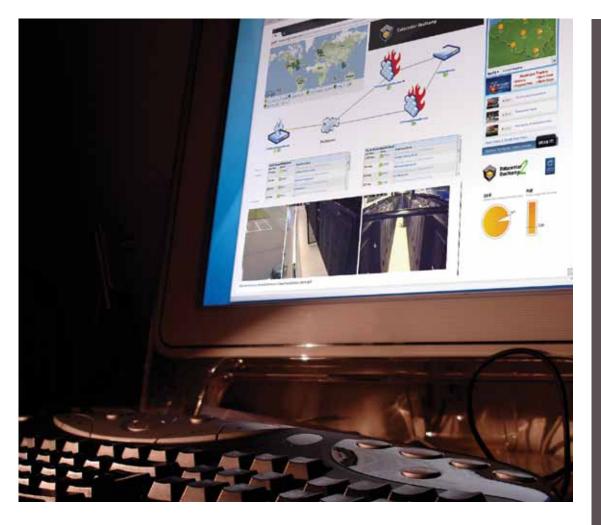
## 🌳 GREEN IT

European Code of Conduct

PUE 1.06

2480 solar panels

Controlled lighting: only the lighting needed is activated

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## 2 DCO²

Datacenter Oostkamp is the first carrier neutral colocation facility strategically located between the London-Frankfurt and Amsterdam-Paris axes. Open connectivity enables DCO² to provide not only colocation services for companies large and small as well as governmental organisations, but also solutions for system integrators, telecom carriers, financial organisations, etc.

DCO² has drawn on more than 15 years of experience to come up with innovative choices for its datacenter to optimise cooling as well as the structure of the building. In so doing, it has drastically reduced power consumption and has emerged as one of the greenest, most modern datacenters in Europe.

## DCO² IN FIGURES

| | | |
|---|---|---|
| » | Built area | 5.663 m² |
| » | Computer rooms | 3 rooms, total: 3.125 m² |
| » | Power supply | up to 5 MW |
| » | Back-up power supply | 9 tonne Diesel generator |
| » | Parking facilities | 1.500 m² (772 m² of which covered) |
| » | Rack infrastructure | 1.500 racks APC Infrastruxure, hot aisle containment |
| » | Network | Carrier independent (Carrier room 72 m²) |
| » | Security | 10 biometric palm vein scanners and 60 high resolution 360° cameras |
| » | Fire protection | VESDA, mist blussing |
| » | Cooling | 2 separate cooling circuits (adiabatic and traditional) |
| » | Cooling water buffer | 4000 m³ rainwater |
| » | Lighting | 4 km of LED lighting in 4,000 light points |