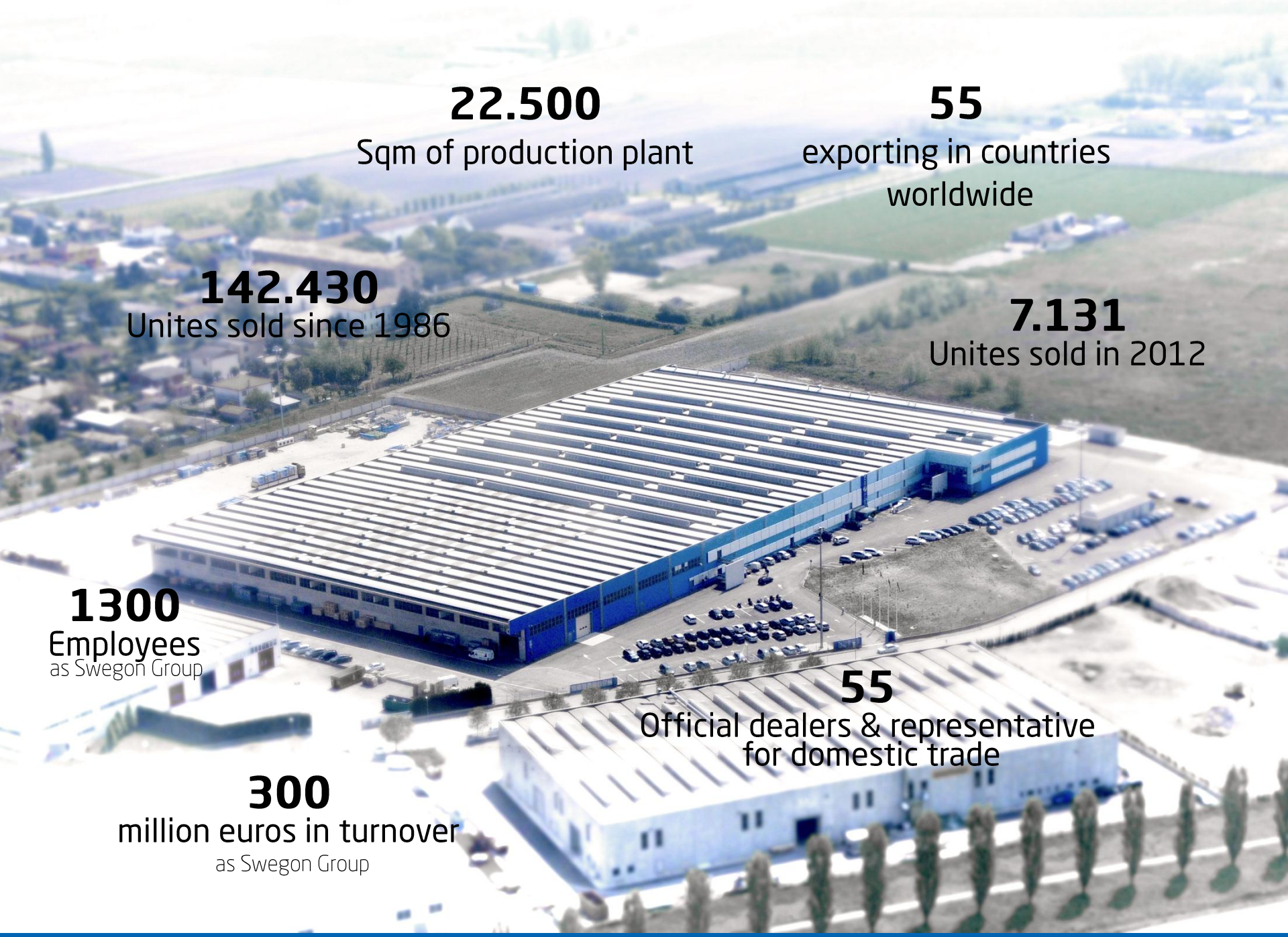
BLUE BOX

Product Overview


22.500
Sqm of production plant
55
exporting in countries worldwide
142.430
Unites sold since 1986
7.131
Unites sold in 2012
1300
Employees
as Swegon Group
55
Official dealers & representative for domestic trade
300
million euros in turnover
as Swegon Group

PRODUCT OVERVIEW

Air Water

Swegon Solution

Free Cooling

Multifunctional

Home Solution

Water Water

Close Control

Swegon Solution

COOL DX

AQUALINK

COOL DX TOP

HOME

COOL DX

- It is a “monoblock” dx unit equipped with 2 compressors (rotative or scroll) in 2 different circuits (3 different steps of cooling)
- Fitted to work combined to Gold unit
- Lot of combination possibilities according with the Gold specifications
- Working with 3 power steps we can reach higher performance efficiencies.
- Easy to install (no pipe connections)
- Very reliable control on the delivery temperature using the heat recovery wheel.

HOME

SMART Link

- The only integrated Control System which links Chiller and AHU
- The two units work together to obtain the best energy saving thanks to the possibility to manage the chiller set point according to the real needs ot the building
- Very simple connection between the units (only one cable is needed)
- Possibility to manage the main chiller parameters from the Gold Control and via web too
- Suitable for reversible chillers too
- Minimal effect of defrosting cycles (during operation in heat pump mode)

AQUA Link

- Easy and fast installation
- Use of inverter pumps
- Smartlink
- Space saved in the building (AQUAlink is very compact)
- Outdoor and indoor installation
- Only one supplier for all main components in the plant

HOME

COOL DX TOP

- Quick and easy installation
- Good performance
- 3-step regulation for good energy efficiency
- Built-in controls via GOLD
- Cooling recovery as standard

HOME

Air Water

BETA ECHOS

ZETA ECHOS

TETRIS

KAPPA V EVO

TETRIS

ZETA ECHOS

44 ÷ 135 kW

- Standard compressor housing
- Primary brand components made in Europe)
- Ambient high resistance frame
- Numbered electrical cable
- Integrated hydronic module
- Wide configurability
- Electronic thermostatic valve and EC fans (as accessories) (INCREASE THE EFFICIENCY of THE UNIT)

HOME

BETA ECHOS

41 ÷ 303 kW

- Unit for indoor installation with centrifugal fans mounted in the unit and available pressure 50-250 Pa- vertical or horizontal discharge
- Same features as ZETA ECHOS unit

HOME

TETRIS

110 ÷ 930 kW

- High configurability and wide range of capacity
- scroll compressors (2 – 12 compressors)
- microchannel coils
- efficiency at top of the Market
- And even more efficient starting from Q4 2012
- Nights and shift system
- ST module with integrated storage tank and 1- 3 pumps suitable to glycol till 50%
- 2 High efficiency class: A and A+
- 2 super low noise level: SLN, A SLN (Class A)
- Each efficiency class with LN level
- HP always available
- Hydraulic Kit Integrate
- Hydraulic kit also with 3 pumps

HOME

BLUE BOX

TETRIS 2

110 ÷ 930 kW

R410A

- Eurovent Class A Unit.
- SLN unit with Night Shift function.
- Integrated hydraulic modules also with an inertial tank.
- Three types of pumps: standard, oversize and for high percentages of glycol (e.g. up to 50%).
- Availability of pumps with inverter on utility side.
- Integrated SmartLink technology.

HOME

KAPPA V EVO

233÷ 1750 kW

- Screw compressors => long life
- Compact frame thanks to V shape condensing coils
- High Efficiency EER/ESEER: Class A

Basic version includes:

- RS 485
- Electronic thermostatic valve
- Compressor discharge shut off valves
- Numbered cables
- Panels painted
- 3 Sound levels: STD, LN, SLN
- Hydraulic Kit Integrate
- INVERTER DRIVEN PUMP
- Maximum Configurability

Florence - Italy

HOME

Adana - Turkey

HOME

London -England

HOME

Düsseldorf - Germany

HOME

London -England

OMEGA V ECHOS

TETRIS W

Water Water

TETRIS W

38÷ 617 kW

- Exclusive product in the market thanks to its high efficiency and various combination of versions and accessories
- Hot water production up to 58°C
- 2 recovery levels
- To make unit more complete we can mount 3 hydraulic modules THAT CAN BE COMBINED TOGETHER (user side source side and recovery side with punps)
- EXCLUSIVE PRODUCT WITH INTEGRATED STORAGE TANK ON USER SIDE
- Smartlink technology

HOME

BLUE BOX

OMEGA V ECHOS

172÷ 1527 kW

- High Efficiency class EER/ESEER: Class A
- Thermostatic electronic valve
- Shut-off valve on discharge
- Pco5 with RS485 as standard
- 3 Sound levels: STD, LN, SLN for both base efficiency and high efficiency class
- LC version
- Very wide range of capacities

HOME

Lubiana -Slovenia

Free Cooling

ZETA ECHOS FC

KAPPA V EVO FC

TETRIS FC

ZETA ECHOS FC

45÷ 145 kW

- Patented free cooling system
- High Efficiency EER
- Energy saving
- Hydraulic Kit Integrate
- No glycol FC version

BLUE BOX

KAPPA V EVO FC

327÷ 1186 kW

- High Efficiency EER
- 2 Sound levels: STD, LN
- Coupled condensing coils which give a compact unit (3 fc rows, 2 condensing rows)
- High total free cooling temperature
- Energy saving
- Hydraulic Kit Integrate
- Maximum Configurability

HOME

TETRIS FC

100÷ 530 kW

- 3 levels of efficiency : STD; A; A+
- 3 lsound pressure levels
- 3 levels of free cooling capacity: dedicated modul e for BASIC; CUSTOM; EXTRA
- To match as much as possible the customer need
- New free cooling system with extra energy saving
- Nigh and shift system
- Hydraulic Kit Integrated

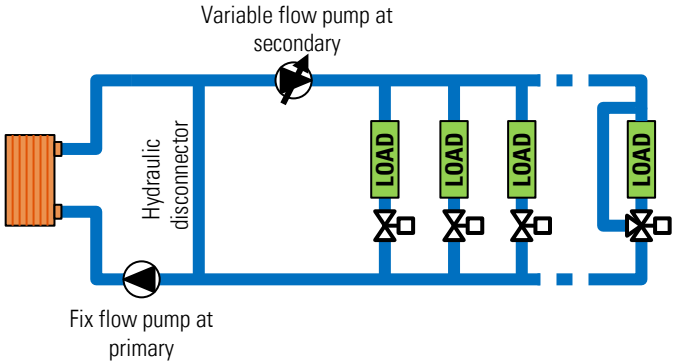
HOME

EC FANS

- avaialble in all units they reduce the fans power consumption of about 15% .
- Each unit with ec FANS provide as standard the fan speed controller

INVERTER DRIVEN PUMP

The figure below shows a system with only variable flow primary pumps, which also serve the secondary system. The bypass pipe and the two-way control valve ensure minimum water flow through the evaporator when the request is below the admitted minimum water flow limit to guarantee appropriate heat exchange. The pipe and the two-way control valve are sized for a much lower water flow rate than the nominal one.



Free Cooling

Prague - Czech Rep

HOME

Free Cooling
Lisbon - Portugal

Free Cooling
Budapest - Hungary

Multifunctional

OMICRON V EVO

OMICRON S EVO

OMICRON V EVO

231÷ 773 kW

- High energy efficiency
- 4 pipes and 2 pipes
- Dedicated software and sophisticate refrigerant circuit to grant the correct operation on the units
- 3 Sound levels: STD, LN, SLN
- Automatic compensation of the set points to extend the working limits in heat pump mode.
- On/off signal for an external boiler.
- With the HT version the unit can produce Higher Water temperature
- With the LT version the unit can work up to higher external air temperatures in chiller mode and lower external air temperature in heat pump mode
- High water temperature: 65°C
- Anti-legionella cycle
- 3-way modulating valve as standard option
- With the LT version CLASS A
- Hydraulic Kit always Integrate
- Maximum Configurability and flexibility

HOME

BLUE BOX

OMICRON S EVO

31÷ 234 kW

- 3 Sound levels: STD, LN, SLN
- With the HT version the unit can produce Higher Water temperature
- With the LT version the unit can work up to higher external air temperatures in chiller mode and lower external air temperature in heat pump mode
- With the LT version CLASS A
- Hydraulic Kit always Integrate
- Maximum Configurability and flexibility

HOME

Multifunctional

Vila Nova Gaia - Portugal

HOME

EPSILON ECHOS

EPSILON ECHOS /+

GEYSER 2

GEYSER

TAU

TAU MAX

GEYSER MAX

CORE & CORE MAX

MU ECHOS

Home Solution

BLUE BOX

EPSILON ECHOS +

6÷ 28 kW

R410A

- Inverter Driven Scroll Compressor
- High configurability in terms of available versions
- High configurability in terms of Hydronic Module
- Inverter Driven Pumps available
- Low noise emission level
- A Class Efficiency Chillers and HP
- Low water content needed
- Thermostatic Expansion Valve always on board
- SMART Link availability for Hydronic versions and SMART Link DX soon available
- Wide power modulation range
- Wide operation limit range

EPSILON ECHOS

6÷ 41 kW

- High efficiency chiller: Epsilon Echos A is an A class Eurovent in LCP/A../CHF program.
- Compact foot-print: all model are realized on a very compact structure that permit to have, with the same foot-print, also a buffer tank and the pump
- Wide configurability: two noise level, three hydronic arrangement, possibility of total recovery, permit to fit perfectly the unit to the application

BLUE BOX

GEYSER 2

6÷ 78 kW

R410A

- HT and MT versions available
- HWS always available
- One single refrigerant gas (R410A)
- Wide configurability for Hydronic Module
- Inverter driven pump available
- Low Noise emissions
- Wide operating limits
- Wide power range
- Automatic Management for Domestic Hot Water
- Smarter Defrosting Management

GEYSER

10÷ 37 kW

- High efficiency heat pump: GEYSER is an A class Eurovent in LCP/A../CHF program. Sub-cooler presence, wider fins spacing a counter current exchanger ensure the best performance and efficiency
- High temperature of water production: it can produce water up to 65°C
- Wide operating range: it can work in heat pump mode up to -20°C of external air temperature
- Compact foot-print: all model are realized on a very compact structure that permit to have, with the same foot-print, also a buffer tank and the pump
- Wide configurability: several accessory, the DHW management permit to fit perfectly the unit to the application

TAU

8÷ 39 kW

- High efficiency heat pump: TAU is an A class Eurovent in LCP/A../CHF program. Sub-cooler presence, wider fins spacing a counter current exchanger ensure the best performance and efficiency
- High temperature of water production: it can produce water up to 60°C
- Wide operating range: it can work in heat pump mode up to -15°C of external air temperature
- Compact foot-print: all model are realized on a very compact structure that permit to have, with the same foot-print, also a buffer tank and the pump
- Wide configurability: several accessory, DHW management and the HWS version permit to fit perfectly the unit to the application

BLUE BOX

GEYSER MAX

31÷ 65 kW

- High efficiency heat pump: GEYSER MAX is an A class Eurovent in LCP/A../CHF program. Sub-cooler presence, wider fins spacing a counter current exchanger ensure the best performance and efficiency
- Wide operating range: it can produce water up to 65°C and can work in heat pump mode up to -20°C of external air temperature
- Compact foot-print: with 1,1m2 of foot-print occupancy is one of the more compact air to water heat pump on the market
- Wide configurability: two level of noise emission, two pump arrangement, dual set point and 3-way valve management, permit to fit perfectly this unit to needs and plant

HOME

TAU MAX

46÷ 63 kW

- High efficiency heat pump: TAU MAX is an A class Eurovent in LCP/A../CHF program. Sub-cooler presence, wider fins spacing a counter current exchanger ensure the best performance and efficiency
- High temperature of water production: it can produce water up to 60°C
- Wide operating range: it can work in heat pump mode up to -15°C of external air temperature
- Compact foot-print: with 1,1m2 of foot-print occupancy is one of the more compact air to water heat pump on the market
- Wide configurability: two level of noise emission, two pump arrangement, de-superheather availability, dual set point and 3-way valve management, permit to fit perfectly this unit to needs and plant

CORE & CORE MAX

4÷ 115 kW

- High efficiency heat pump: CORE & CORE MAX is an A class Eurovent in LCP/W../CHF program. This series ensure the best performance and efficiency
- High temperature of water production: it can produce water up to 60°C
- Compact foot-print: all model are realized on a very compact structure that permit to have, with the same foot-print, also pumps in each circuit
- Wide configurability: several accessory, DHW management and the HWS version permit to fit perfectly the unit to the application with well water and geothermal probes

MU ECHOS A

4÷ 48 kW

- High efficiency series: MU ECHOS A is an A class Eurovent in LCP/A../CHF program.
- Compact foot-print: all model are realized on a very compact structure that permit to have, with the same foot-print, also a buffer tank and the pump
- Many possibility: Mu Echos A has many possibility of combination, with well water, tower water, remote condenser, dry cooler and also geothermal probe. On user side the unit can produce only chilled water, cold and hot water or can be connected with a direct expansion unit.
- Wide configurability: several accessory, three hydraulic arrangement, two noise arrangement permit to fit perfectly the unit to the application

Home Solution

Matosinhos - Portugal

DATATECH HIGH DENSITY DATATECH +

Close Control

DATATECH

6÷ 220 kW

- Optimum balance (market aknowledged) between performance, footprint, efficiency
- Extended capacity range with the same basic features: radial fans, structure, coils, technology.
- Double skin panels: strength, insulation, cleanliness
- Continously growing set of options/accessories
- Exclusive options: PF, CWDS (chilled water dinamic set)

HOME

DATATECH +

12÷ 35 kW

- Maximum efficiency at part load conditions with EC Fans, Inverter driven DC brushless compressors and EEV
- Optimal balance between performance, efficiency and footprint
- Effective Return of Investment, between 1 and 2 years.
- Accuracy and stability of regulation

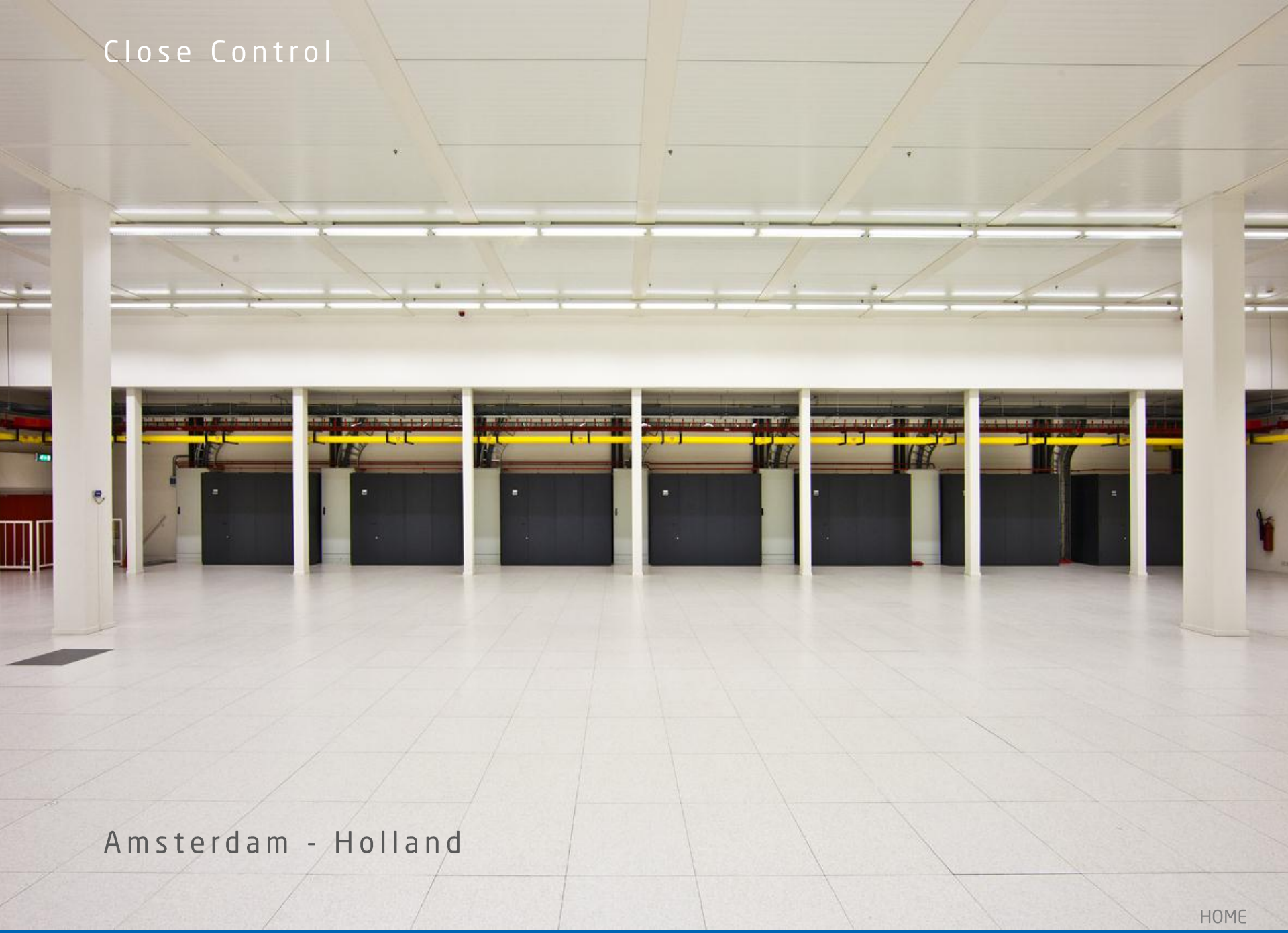
HOME

HIGH DENSITY

15÷ 30 kW

- Chilled water units for data centers where there is the need to cool between the racks (ex. blade servers);
- Design for the use of higher water temperature without loosing capacity
- With coolmate unit the glycol chilled water is separated to the water used by the coolblade units.
- In the bigger size of Coolblade there are 2 water coils (1 as backup) for redundancy.

HOME



Amsterdam - Holland

Close Control
Amsterdam - Holland

Close Control
Hungary