Ecotrend
Energy System

Added value energy solutions









www.precisioncoolingsystem.com

Know how

Ecotrend relies on the long experience of its founders to design energy solutions with high added value in response to a specific request, and to deploy it to the final customer.

Our local partners have the technical skills and know-how to implement solutions on site, and can provide the technical support to ensure optimum performance during the operating cycle to the customer..

Beyond the provision of air conditioning and ventilation, Ecotrend supports its customers with installation, commissioning, and on-site maintenance through a network of efficient local partners.

Ecotrend acts as a partner for the long term, with the aim of satisfying customers over time. It is our way of working, and we chose the best experts, each in their field, to accompany us and the end user.



Reach customer's expectation

Proximity

Added value

Service

Trust

Accompaniment

Competence

Relationship

Products

2 - Solutions for Air Conditioning and Refrigeration

- Precision air conditioning for computer rooms (CRAC) : Version cabinet In peripheral and In Row, direct expansion and chilled water to 150kW
- Clean Air conditioning units for hospital environments : Version direct expansion and chilled water with high filtration efficiency H14
- Chilled water units (chillers)
- Central air handling units (AHU)
- Packaged air conditioners and splits systems for telecom applications, AC and DC power supply
- VRF outdoor units and terminals (cassettes , ceiling , wall , ducted ...)
- Fan coils

3 - Ventilation and Free cooling solutions

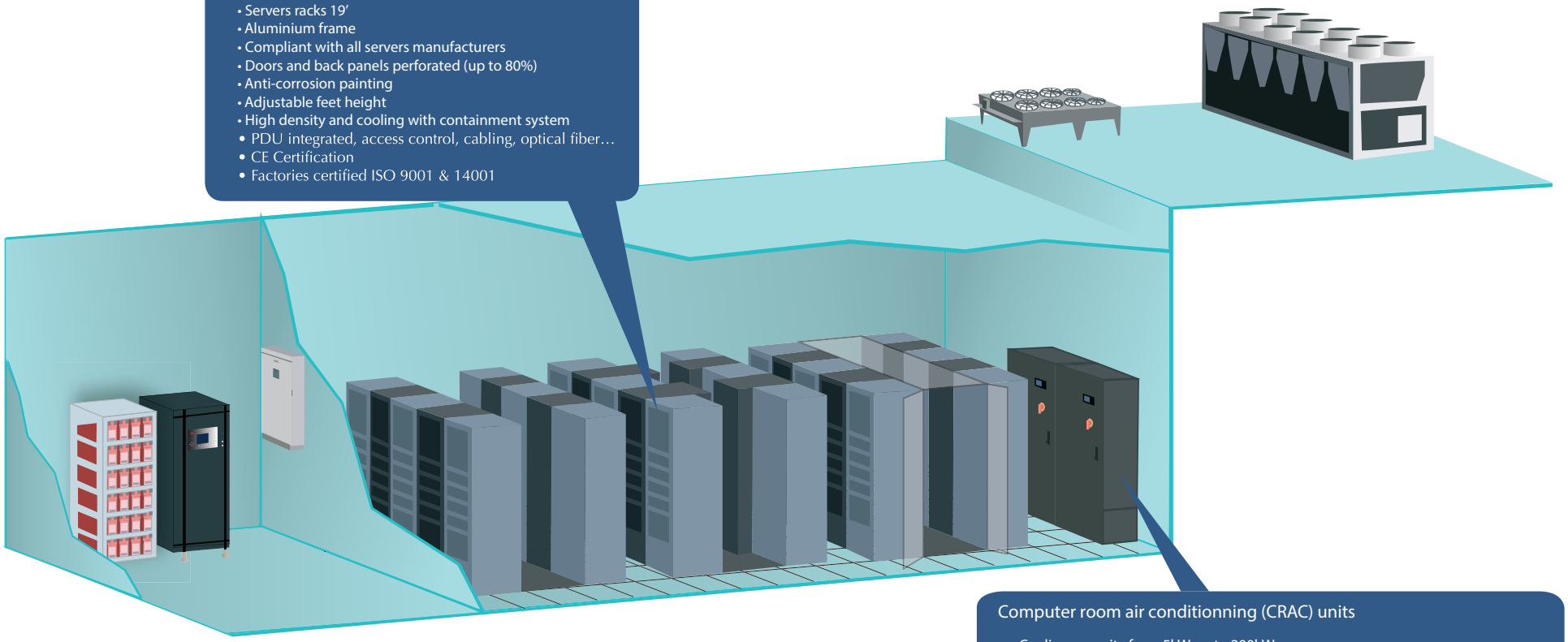
- Free cooling systems with intelligent controller for telecom applications
- Exhaust modules
- Filtration ceilings for operating theaters
- Outdoor enclosures for telecom applications



Solutions for Data Center business

Servers racks and outdoor enclosures

- Servers racks 19'
- Aluminium frame
- Compliant with all servers manufacturers
- Doors and back panels perforated (up to 80%)
- Anti-corrosion painting
- Adjustable feet height
- High density and cooling with containment system
- PDU integrated, access control, cabling, optical fiber…
- CE Certification
- Factories certified ISO 9001 & 14001



Computer room air conditionning (CRAC) units

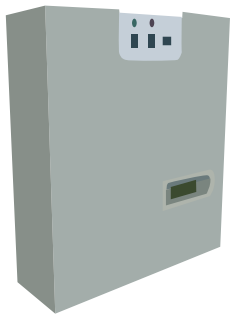
- Cooling capacity from 5kW up to 200kW
- Cooling mode with direct expansion, chilled water, double source, freecooling
- Green refrigerant R410a
- Air filtration up to F7 grade
- EC Fans with variable fan speed
- Scroll compressors with Inverter technology to modulate cooling capacity
- CE certification
- Factories certified ISO 9001 & 14001

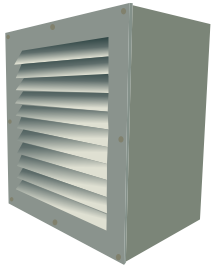


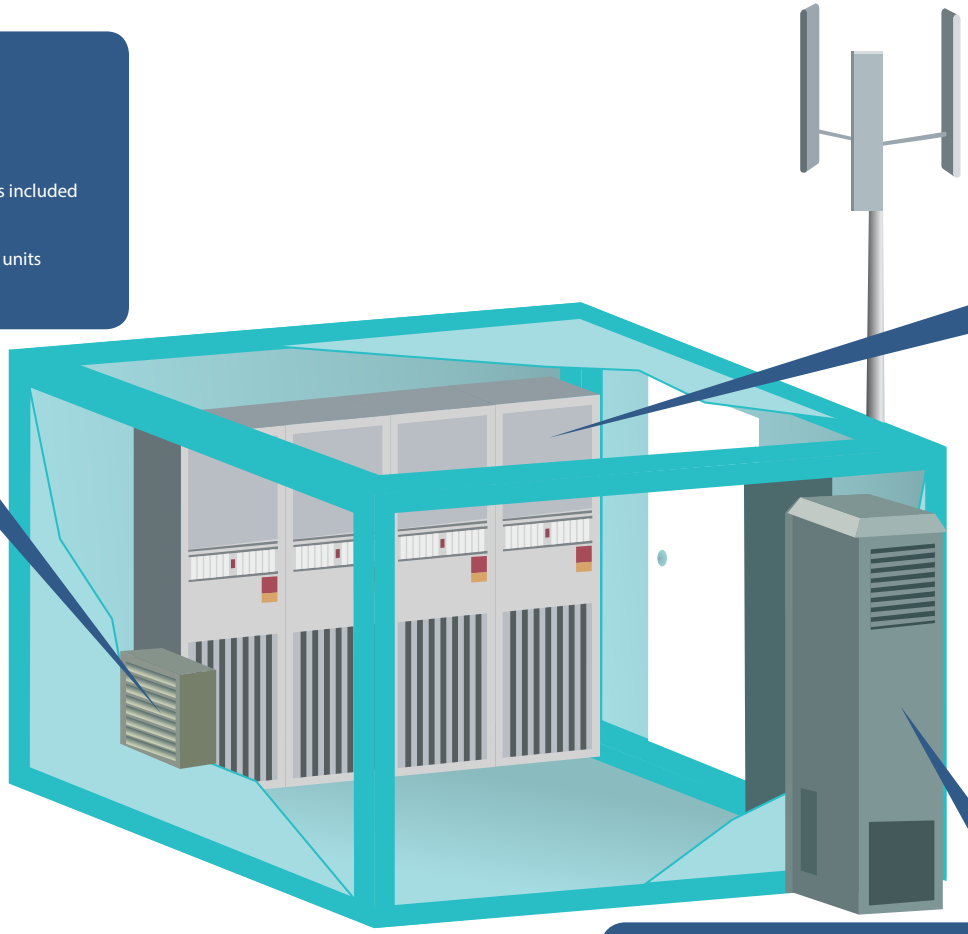
Solutions for Telecom Business

freecooling systems

- EC fan with variable fan speed 0 to 100%
- Up to 12kW cooling capacity in free cooling mode
- Filter G4 included as standard, optional up to F7
- Waterproof casing, insulation class 0
- Indoor and outdoor temperature/humidity sensors included
- Power supply 48VDC or 230VAC
- Very low noise version
- Control system compliant with all air conditioning units
- CE certification
- Factories certified ISO 9001 & 14001







DC Power systems with rectifiers-chargers and batteries, modular, redudant and expandable for telecom and industrial applications

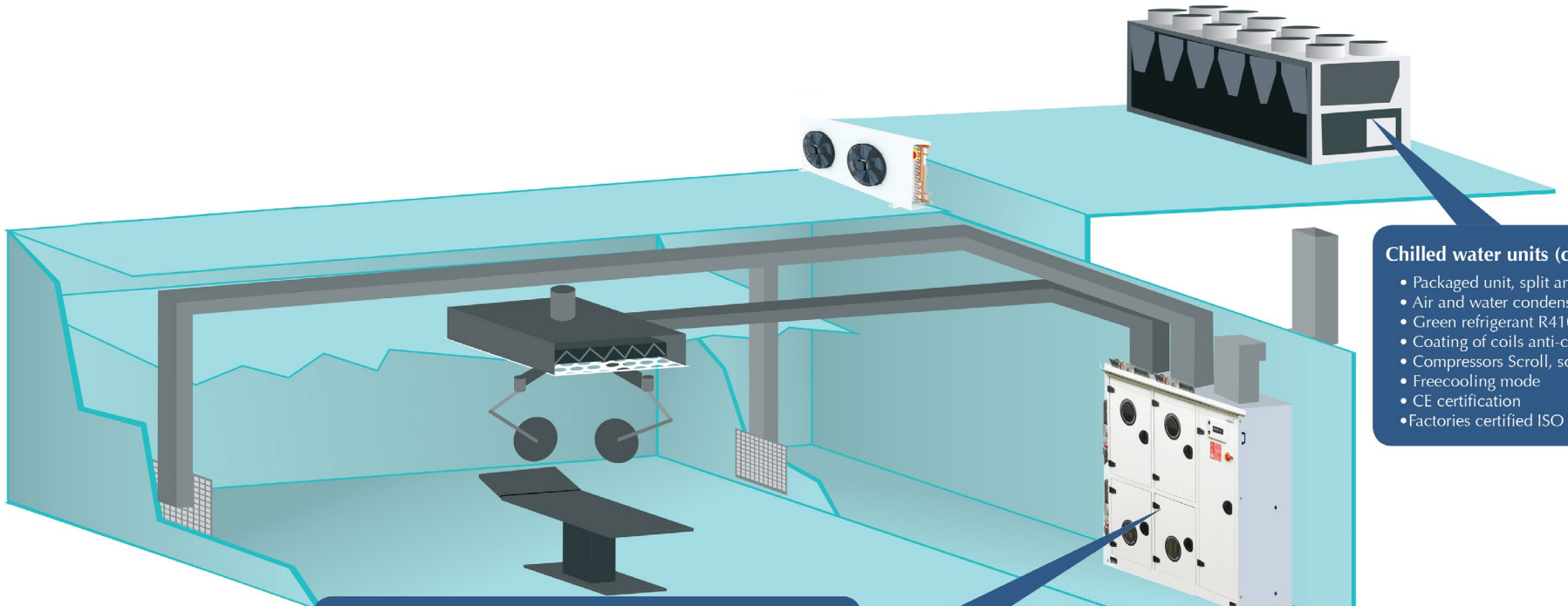
- Input 220/230/240V 1 phase
- Input 380/400/415V 3 phase
- Output 24V (450A)/48V (360A)/120V (135A) DC
- Compact design
- High availability N+1 redundancy
- Racks 19' including up to 9 modules rectifiers
- CE certification
- Factories certified ISO 9001 & 14001

Split system and packaged air conditioning units for telecom

- Power supply 230V/380VAC and 24V/48VDC
- Indoor and outdoor installation
- Green refrigerant R410a and R134a (high temperature)
- Air filtration up to F7 grade included
- EC fans with variable fan speed
- Freecooling mode
- CE certification
- Factories certified ISO 9001 & 14001



Solutions for Healthcare Environment



Chilled water units (chillers)

- Packaged unit, split and centrifugal
- Air and water condensation
- Green refrigerant R410a and R134a (high temperature)
- Coating of coils anti-corrosion
- Compressors Scroll, screw with variable fan speed
- Freecooling mode
- CE certification
- Factories certified ISO 9001 & 14001

Clean room air conditionning units for healthcare environment : direct expansion and chilled water refrigerant

- Airflow up to 10 000m3/h
- Indoor and outdoor installation
- Cooling mode with chilled water or direct expansion
- Green refrigerant R410a
- Air filtration up to H14 grade included
- EC Fans with variable fan speed
- Scroll compressors with Inverter technology to modulate cooling capacity
- Compliant with EN1886 standards
- CE certification
- Factories certified ISO 9001 & 14001



Solutions for Commercial business

VRF systems outdoor and indoor units
(cassettes, ceiling, wall mounted, duct units…)

- Outdoor units include 3 compressors with 1 inverter each
- Nb units indoor up to 48
- Compressor DC high efficiency
- COP 6,68 (partial load 50%)
- High flexibility of installation up to 235m piping
- Variable volume of refrigerant R410a
- Cooling mode up to 43°C as standard
- Coating of coils anti-corrosion
- CE certification
- Factories certified ISO 9001 & 14001

Chilled water System

- Installation of terminals (fan coils, cassettes)
- Controls, wall mounted thermostats
- CE Certification
- Factories certified ISO 9001 & 1400

Computer room

- IT racks 19'
- Close control air conditioning
- Uninterruptible Power Supply (UPS)



Energy Efficiency and Environment

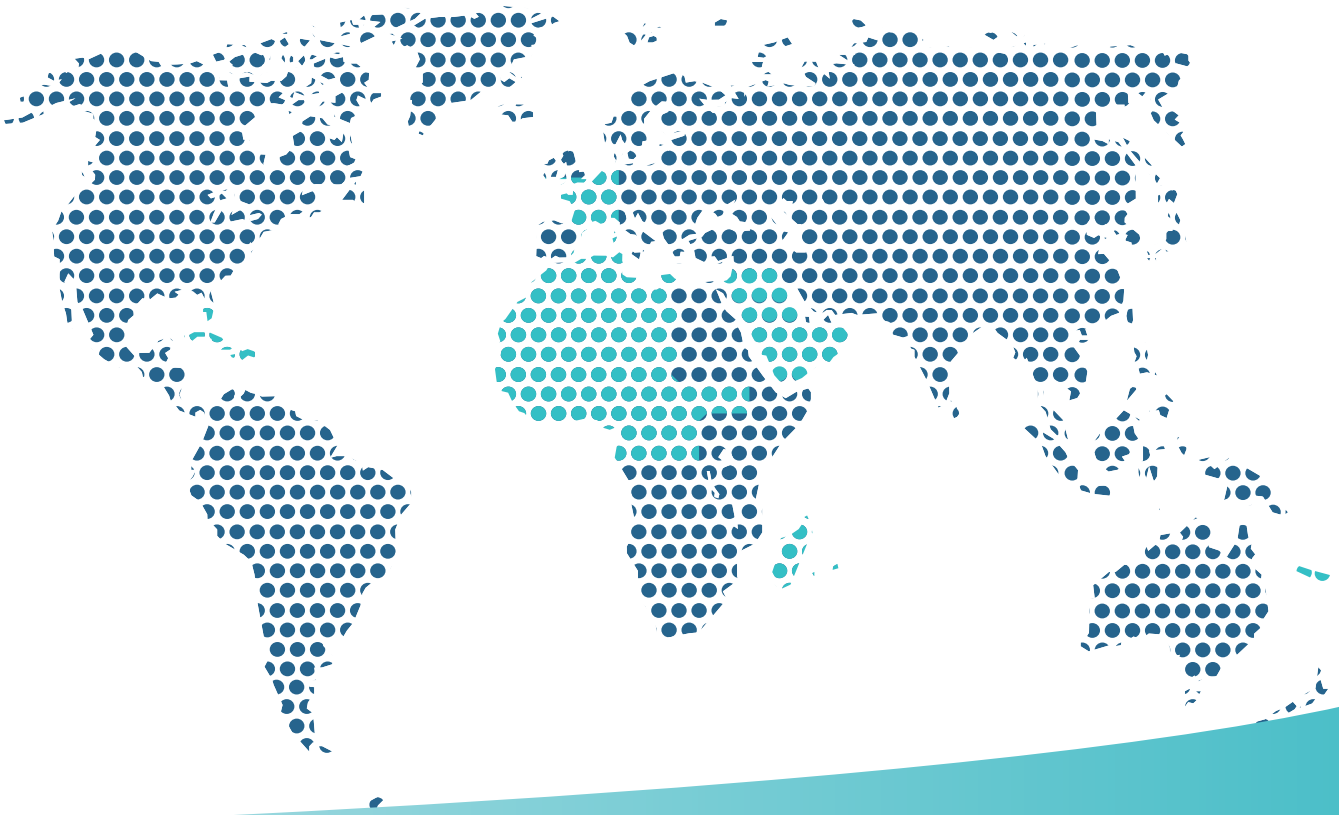
Over the last decades, energy and environment have been major concerns of leaders of industrialized and emerging countries. The last ones are mainly concerned because of their increasing energy needs, while having stronger environmental constraints.

Energy efficiency is our vocation, and the common denominator of energy solutions that we design and offer our clients. All equipment that makes our solutions has been carefully selected for their energy efficiency and their impact on environment.

Partners who accompany us, both in the design of solutions and in their implementation on site are also strongly sensitized by energy issues.
All together, we design the optimal energy solutions to achieve a result, and we work every day to improve performance over time.

Within Ecotrend, we have decided to place these questions at the center of our strategy in our partner selection and design of high added value energy solutions.

Our Presence



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