

Enex Technologies
**ALL-IN-ONE
SOLUTIONS**

Innovative and
efficient solutions

**TELECOMMUNICATION,
RAILWAY, MOTORWAY**

ETHRATECH
INNOVATION AS ENERGY

Your partner for success

EthraTech

High level expertise and
customer support on
equipment **across Europe**

- 
- **On-site or remote** technical support
 - Management of routine and preventive maintenance
 - Technical trainings for customer and installers
 - Remote monitoring
 - Spare parts management

Solutions for **ideal temperature control**

For over 30 years, EthraTech has been providing **innovative cooling and environmental control solutions for the telecommunications sector**. Building on this experience, the company has expanded its product portfolio to **offer reliable and energy-efficient air-conditioning systems** to the **telecommunications, rail, motorway and defence sectors**, ensuring high performance and operational continuity in critical environments.

Advanced Technologies for Maximum **Energy Efficiency**

The perfect integration of ventilation, cooling and electronic controls for more efficient and sustainable energy management.

Free cooling System (ventilation)

High-efficiency solutions for **continuous air exchange and heat dissipation to the outside environment**. Free Cooler systems reduce energy consumption and can be effectively integrated with existing air conditioning systems, ensuring **maximum flexibility for both indoor and outdoor installations**.

Inverter Technology

Intelligent compressor speed control enables the system to use only the minimum energy required for cooling. This results in **higher energy efficiency, reduced operating costs**, and superior thermal and acoustic comfort.

EthraTech Electronics (**ASC, PB13 e QPS**)

The proprietary **EthraTech** electronics platform, developed in-house, **provides a high level of customization and advanced system control**. The ASC controller intelligently coordinates the combined operation of the air conditioner and Free Cooler, **optimizing performance, increasing system reliability**, and maximizing energy savings.

Compact and split air-conditioning units



Outdoor monobloc air-cooled air conditioners

Outdoor monobloc unit – ED Serie

- Galvanised steel frame and external panels
- Aluminium-aluminium micro-channel condenser coil
- EC-type fans in the evaporator section, 48 V DC
- Variable fan speed in the condenser section, depending on the condensing pressure

Indoor monobloc air-cooled air conditioners

Outdoor monobloc unit – ED Series

- Cooling capacity from 6.3 kW to 17.2 kW
- Galvanised steel supporting structure and external panels
- Aluminium-aluminium micro-channel condenser coil
- EC-type evaporator section fans, 48 V DC



Split-system air-cooled air conditioners

Split system – Under Series

- Cooling capacity from 2.3 kW to 17.2 kW
- Outdoor unit with a press-formed steel frame and pre-painted or painted aluminium panels
- Aluminium-aluminium micro-channel condenser coil
- EC-type evaporator section fans, 48 V DC



Access

Cooling systems for **5G network base stations** to ensure continuous and reliable coverage.



Edge

Cooling systems for micro and mini data centres, designed for data processing close to end users.



Core

Cooling systems for data centres housing servers, storage systems and network equipment



Discover our **All-in-One Solutions** for Telecommunications

Customer stories



ITALY

Efficient cooling for telecoms infrastructure Indoor monobloc units with free cooling:
5 – 8 – 10 kW



SPAIN

Madrid-Seville high-speed railway line Outdoor monobloc units with free cooling: 5, 8, 10 and 12 kW



Close Control Units



Air-cooled, inverter-controlled direct expansion precision air conditioners

with inverter compressors – DXi series

- cooling capacity from 7 kW to 120 kW

Air-cooled direct expansion precision air conditioners

with on/off compressors – DX series

- cooling capacity from 6 kW to 125 kW



Direct expansion precision air conditioning units

for high-density racks (30–60 cm) – InRow series

- cooling capacity from 12 kW to 70 kW

Water-cooled precision air conditioning units

WU-WUL series

- cooling capacity from 6 kW to 216 kW



Extraction-type free cooling systems with grilles

Free cooling systems – FC-GR series

- Air flow rate from 1,000 m³/h to 4,000 m³/h

Exhaust-type free cooling systems with ductable grilles

Free cooling systems – FCCB series

- Air flow rate from 2,500 m³/h to 7,000 m³/h



Exhaust-type free cooling systems with ductable grilles

Free cooling systems – FCCBE series

- Air flow rate from 2,500 m³/h to 7,000 m³/h

Free cooling systems with supply and extract air and a stilling chamber

Free cooling systems – CAM series

- Air flow rate from 2,600 m³/h to 5,000 m³/h



Free cooling systems



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