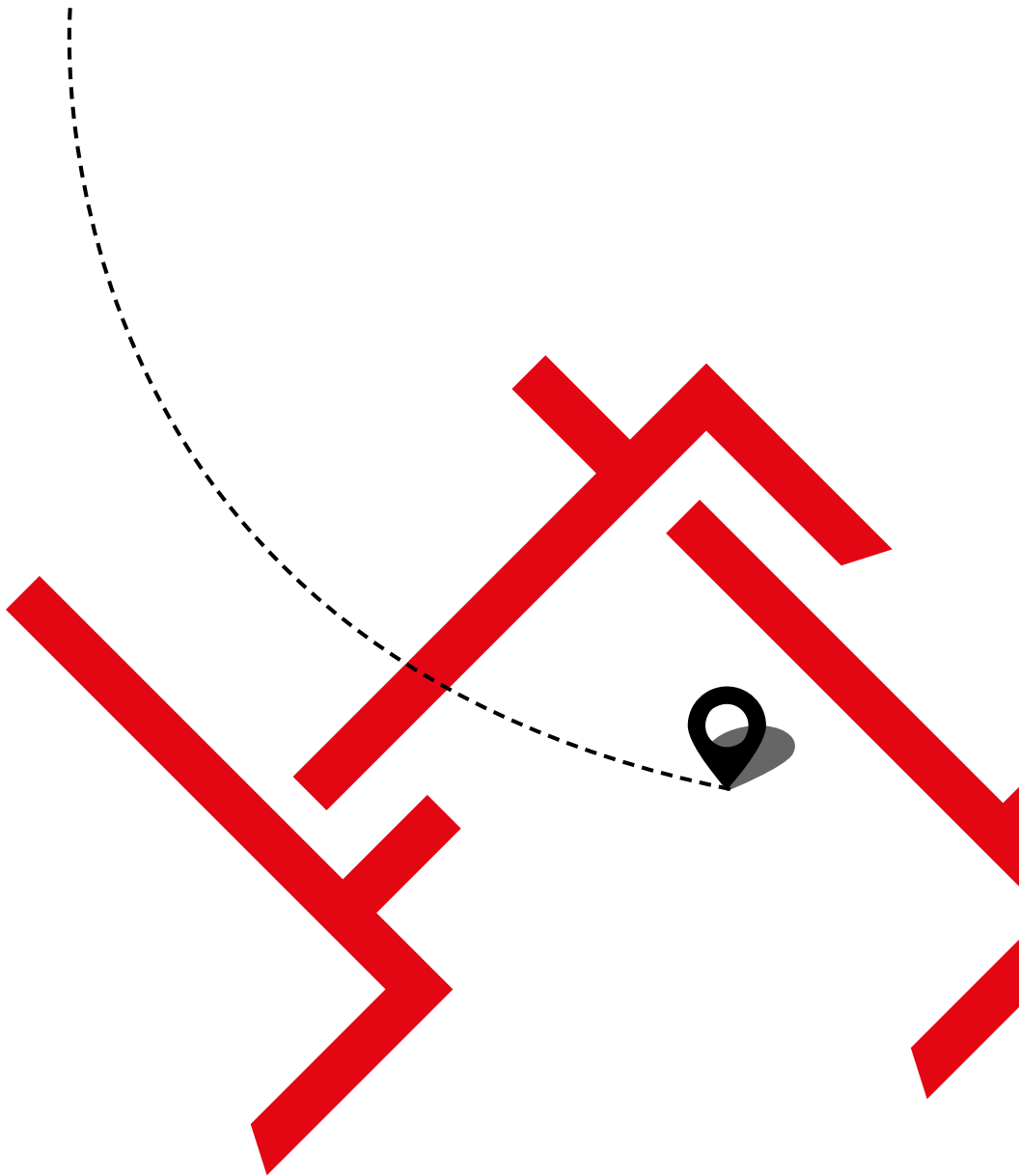


tibbloc

**HEATING - COOLING - STEAM - AIR RENTAL**



## Biofuel – Eco-fuel – Wood

Boiler rooms



## Premium heating oil

Boiler rooms



## Gas

Boilers compliant with European standards (CE)



## 2HFB

Two hour fire break boiler rooms



## Sanitary Hot Water

Hot water production



## Positive Cooling / Negative Cooling

Chillers - Heat Pumps - Dry cooler  
Adiabatic / water-cooled condensers - Refrigerated containers



## Air conditioning

Rooftops - mobile aircos - Air conditioning cabinets  
Air coolers - Air purifiers - Evaporative coolers



## Air treatment

Air handling units - Dehydrators - Dehumidifiers  
Fans – Air boxes – Hot air generators – Unit heaters



## Steam

Steam boiler rooms - Superheated water  
Electric steam boilers - Thermal fluids



## Compressed air

Air compressors - Air dryers



# tibbloc

LOCATION CHAUD + FROID + VAPEUR



## **Specialist in the rental of turnkey equipment**

for the production of  
heating, cooling, air  
conditioning,  
air handling, steam,  
and compressed air, **tibbloc**  
operates with its transitional  
energies **24 hours a day  
and 7 days a week.**

In France and in Europe,  
responsive experts mobilise  
to study, deliver,  
commission, and monitor  
your temporary  
energy solution.

**The Projects and Engineering  
Departments at tibbloc** are at  
your disposal to offer tailor-made  
solutions.



**Founded in 2007,**  
**Tibbloc** is a French company  
specializing in the rental of temporary  
energy solutions.

**We offer turnkey equipment for the production of heating, cooling,  
air conditioning, steam, as well as compressed air and air treatment.**

### **Our mission**

To ensure the continuity of your operations by taking over your energy systems,  
whatever the circumstances. Thanks to our national and European network, we  
operate 24/7.

### **Full support**

**NEEDS ASSESSMENT**

---

**FAST DELIVERY**

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**ON-SITE INSTALLATION**

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**COMMISSIONING**

---

**TECHNICAL SUPERVISION**

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**Our commitment to quality and CSR performance is  
recognized through the following certifications:**



**AND OUR LABEL:**

**EcoVadis**

# Tibbloc

## Your trusted partner for energy emergency

We respond urgently to critical situations: unexpected breakdowns, technical shutdowns, last-minute maintenance work, or spikes in activity. Our temporary solutions ensure service continuity without interruption.

## We support a wide range of industries



**INDUSTRIES (AGRI-FOOD, CHEMICAL, PHARMACEUTICAL...)**



**URBAN HEATING AND COOLING NETWORKS**



**TERTIARY SECTOR AND EVENTS INDUSTRY**



**HEALTHCARE : HOSPITALS, NURSING HOMES, HOSPITAL LAUNDRIES**



**ALL SECTORS THROUGH OUR PARTNERSHIPS WITH TECHNICAL OPERATORS AND INSTALLERS**

## Tibbloc supports your planned and/or supplementary power needs

Beyond emergency situations, Tibbloc is also your strategic partner for planned projects, such as:

Scheduled work on your installations, whether for new builds, renovations, or energy-saving upgrades under an energy efficiency contract

Tight construction phasing or delivery delays

Testing of new processes or performance trials on critical (or sensitive) equipment

Seasonal requirements (winter heating, summer cooling)

We offer tailor-made solutions, designed to meet your technical, environmental, and budgetary constraints.





# Services & Solutions



## TRANSPORT & LOGISTIQUE



Round-trip transport and handling operations for unloading and collection are managed by our specialized partner companies.

Thanks to our handling equipment with capacities ranging from 8 to 14 tons, available at our depots, we ensure reliable delivery times with fast and efficient loading operations..

## PROJECT STUDY



### Engineering and tailor-made projects, experts at your service

Our teams are available to work with you or your design office to define the best technical solutions to meet your production needs.

## INSTALLATION & COMMISSIONING



### Our technician teams carry out the installation and setup of equipment directly on site

Assistance with unloading and equipment positioning

Hydraulic connections using hoses and piping up to your waiting flanges  
Electrical connections

Filling with water, hydraulic checks, and safety verifications

Burner adjustments

Combustion analysis

Certified body for CMS operational approval

Delivery of the technical documentation  
Equipment removal at the end of the rental period

## FACILITY MAINTENANCE



### Workshop servicing

Our technicians inspect and service all equipment after each rental, following a protocol specific to each unit. They handle wear part replacements, cleaning, adjustments, and flue sweeping.

### Tests on load banks

Our load banks allow us to run and simulate thermal loads on our equipment, ensuring it is fully operational before delivery.

### Storage

All equipment is stored in optimal conditions at our depots.




## Services & Solutions (cont.)

### FUEL MANAGEMENT




 100% renewable energy (ENR)

Optimization of filtration systems


 Eco-fuel with 5% to 30% renewable energy content

Compliance with fuel quality standards and guaranteed calorific yield

Remote level monitoring (Fuel.IT) and optimizations

 Premium heating oil (FOD)

Management of administrative procedures (orders and invoices)

 Liquid / natural liquid propane gas

Financial management (law on fuel payment)

 Wood and wood pellets

Equipment removal at the end of the solution



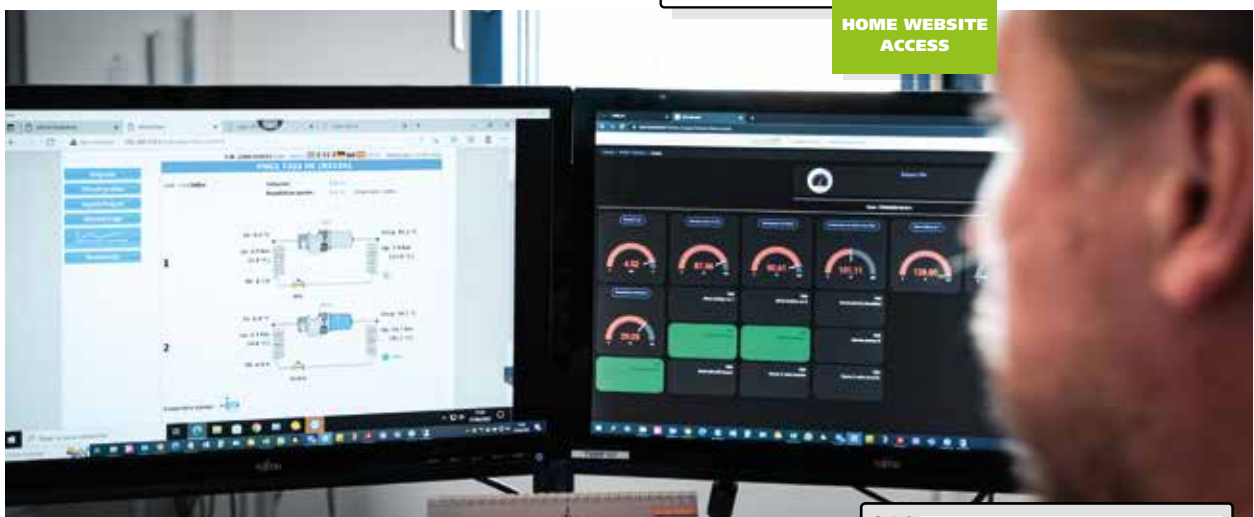
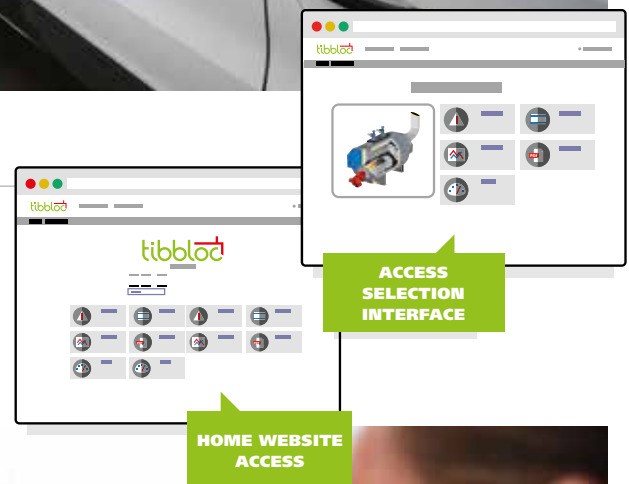


## EMERGENCY MANAGEMENT

Our integrated unit responds to your urgent requests in case of outage or breakdown. To guarantee continuity of service, we deliver to you as fast as possible

## REMOTE CONTROL AND ACCESS TIBBVIEW

This remote access offers numerous benefits, for example it allows direct monitoring boiler data, with updating every two minutes, to have the boiler alarms panel, their statuses and get all historical data. Our teams are working on a system to roll out **TIBBVIEW** across all our equipment.



## MONITORING OF WATER TREATMENT TIBBAQUA

Supporting water treatment professionals, Tibbloc offers its **TIBBAQUA** application to assist field teams, monitor treatment processes and automatically generate reports.



# **Mobile Solutions Renewable Energy**



**Boiler systems powered by renewable,  
local and traceable energy sources.**

**Low-carbon fuel management.**



## Boiler rooms **Biofuel**

**Being aware of climate change is everyone's responsibility decarbonizing our mobile installations is our top priority.**

**A 100% Renewable Biofuel, made from vegetable oils and/or animal fats, locally produced in France.**

### **TYPICAL SET-UP**

---

Boiler systems from **80 KW TO 5 MW**

---

Fuel made entirely from natural sources

---

CO<sup>2</sup> emissions reduced by 60% to 90%

---

Up to 50% less sulfur emissions

---

Effective down to -20°C, even in extreme cold

---

Delivers strong performance thanks to its lubricity and cold-weather properties

---

Less odorous than standard diesel

---

Délivrance d'une attestation ENR

---







# Boiler Rooms **Eco fuels**

## **An economical, stable and green fuel.**

**Tibbloc's eco-fuel is a blend made from 5% to 30% rapeseed vegetable oil (RVO) and 95% low-sulfur heating oil.**

Alongside its clients, Tibbloc aims to be an active player in reducing the carbon footprint through its eco-fuels.

### **TYPICAL SET-UP**

Boiler rooms from **80 kW to 5 MW**

Contains 5% to 30% rapeseed vegetable oil (RVO) / 70% to 95% low-sulfur heating oil

Reduces greenhouse gas emissions by 50% to 70% compared to fossil fuel oil

Preserves boiler systems and helps improve air quality

Reduces fuel consumption, with no gelling, even at low temperatures

Resistant to freezing down to -20°C thanks to a biodegradable additive



# Boiler rooms **Wood & Pellet**

## Quickly access a temporary heating solution

**Access a temporary wood heating solution through the rental of wood pellet or wood chip boilers.**

Beyond the wood industry, our mobile wood-fired boiler rooms meet the urgent or planned needs of an increasing number of commercial and industrial

### TYPICAL SET-UP

Expansion vessel, primary and recycling pump, electrical cabinets, safety systems, automatic air vent, regulated outlet with 3-way valve

Modern and high-performance equipment

No investment required thanks to rental

Flexible rental duration

Immediate response to emergencies, delivered, installed, and commissioned by our teams

Very economical shredded wood or pellet fuel

CO2 emissions reduced tenfold compared to fuel oil

### Performance

Nominal power	KW	<b>250</b> (wood with 30% moisture content)
Hot water outlet temperature	°C	<b>65 to 90</b>



# Mobile Solutions Heating



**Since 2007, Tibbloc has specialized in the rental of technical solutions for the production of heating, sanitary hot water and process heat.**

Thanks to the expertise of our in-house design office, we develop mobile boiler and heating plant systems in small, medium, or large capacities with either regulated or constant flow, tailored to any rental duration.

Our solutions meet the needs of district heating networks, public buildings, collective housing, commercial facilities and industrial sites.

Our ability to understand field requirements, respond quickly and provide personalized support has made Tibbloc a benchmark in mobile heating solutions in France.

With a modern, high-performance, and comprehensive fleet (boilers, accessories and complementary equipment), and a 24/7 service, Tibbloc provides reliable support for process heating, sanitary hot water production and building heating.



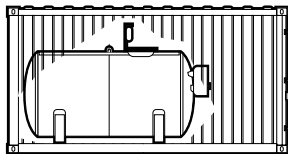


FOD PREMIUM

## Boiler rooms **FOD premium** certified C E

### Complete turnkey solutions, including fuel delivery\*

Quick to deploy and easy to position (free choice of location), our FOD Premium boiler rooms are delivered, installed and commissioned by our teams.



#### Fuel Tanks

Secure and compliant with current standards, offering high autonomy with storage capacities ranging from 2 000 to 27 000 liters.

**Discover our FOD Premium tank models on page 21.**

#### Typical set-up

Power range: **80 kW to 5 MW**

Dual-fuel burner

Expansion vessel

Primary pump + recirculation pump

Electrical cabinet with safety and control systems

Isolation valves

Single-wall stainless steel or bolted steel flue

High-flow air vent

Constant or regulated flow with 3-way valve, depending on the model



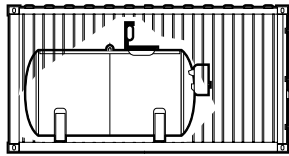
\*On request



# Mixed gas boiler plant

# Gas

certified C E



Available with natural gas, LPG, or LNG tanks upon request.

**Simplicity in energy supply,  
optimised energy costs for  
the long term.**

#### TYPICAL SET-UP

Power range: **80 kW to 5 MW**

Natural gas burner (20 or 300 mbar) or propane (37 mbar) with gas ramp

Expansion vessel

Primary pump + recirculation pump

Electrical cabinet with safety and control systems

Isolation valve

Single-wall stainless steel or bolted steel flue

High-flow air vent

Constant or regulated flow with 3-way valve, depending on the model





2HFB



# Two hour fire break boiler rooms

## 2HFB

certified C E



BIO-CARBURANT



ÉCO-COMBUSTIBLE



FOD PREMIUM



GAZ

**Complete and mixed boiler rooms, biofuel, eco-fuel, FOD Premium or gas. Our two hour fire break boiler rooms, fully compliant with public-access building regulations are autonomous, easy to position and quick to deploy.**

Ideal for meeting your temporary heating and hot water production needs: backup boiler, construction work, additional power, maintenance shutdown...

### TYPICAL SET-UP

Power range: **300 to 1,990 kW**

Dual-fuel burner

Expansion vessel

Primary pump + recirculation pump

Electrical cabinet with safety and control systems

Isolation valves

Single-wall stainless steel flue

Panic door

High-flow air vent

Regulated outlet with 3-way valve





SANITARY HOT WATER

# Production Sanitary Hot Water

**Temporary domestic hot water production solutions compliant with ACS standards, compatible with all types of primary energy sources: our boiler rooms and SHW equipment give you the freedom to choose your energy.**



## **316L STAINLESS STEEL PLATE HEAT EXCHANGER** With dual primary pump and charging pump

Electrical control box with programmable electronic controller (includes anti-legionella program)

Insulated heat exchanger depending on the model

## **STEEL TANK WITH ACS-CERTIFIED INTERNAL COATING** (Attestation of Sanitary Conformity)

50 mm mineral wool insulation, flexible PVC jacket or Isoxal sheet metal, depending on the model

Magnesium sacrificial anode

Inspection manhole

## **ELECTRIC SHW TANKS**

Capacity: **750 liters**

Electric power: **15 – 30 – 45 kW**

ACS-certified internal coating

## **SHW HEATERS**

Heating water temperature: **70 to 90°C**

Power range: **100 kW to 1 MW**

Instantaneous or semi-instantaneous with DHW buffer tanks 300 – 750 liters

## **HYDROGAS SHW TANK – 300 LITERS**

Built-in atmospheric burner: **28 kW**

Operates on natural gas or propane: **20 mbar**







# Electric

## Boilers

certified **CE**

### Lightweight solutions, suitable for indoor or outdoor installation

Lightweight solutions, suitable for indoor or outdoor installation (integrated into a 10-foot container), offering you simplicity and quick connection.

#### TYPICAL SET-UP

Power range: **20 to 270 kW**

Carbon steel or stainless steel body

Rock wool insulation, painted steel sheet casing

Stainless steel immersion heaters (pin-type)

Complete electrical cabinet

Safety thermostats

Safety valves, flow controller, drain valve

Primary pump

Expansion vessel (depending on model)





ÉQUIPEMENTS & ACCESSOIRES

CUVES & CITERNES



BIO-CARBURANT



ÉCO-COMBUSTIBLE



FOD PREMIUM



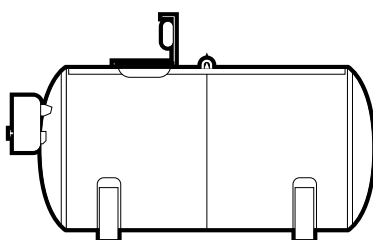
GAZ

## Secure equipment, compliant with current standards.

You can choose the tank capacity and benefit from high autonomy with storage capacities ranging from 2 000 to 27 000 liters. Our cylindrical fuel tanks are all equipped with double walls in accordance with current regulations.

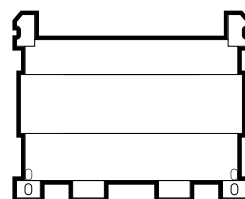
### Cylindrical heating oil tanks Double envelope

**5 000 L**  
**10 000 L**  
**20 000 L**



### Heating oil tanks New Generation

**2 000 L**  
**3 000 L**  
**5 000 L**  
**10 000 L**  
**28 000 L**  
**27 000 L**



#### FEATURES

Class A double-wall steel tank, compliant with NF.EN-12285-2 standard

Optional leak detector

Equipped manhole

Mounted on saddles

Lifting ring

Pneumatic gauge

Easy grounding connection

Push/pull fuel supply and return connections

Filling at man-height

#### FEATURES

3 mm steel double-wall fuel tank,

UN-certified for road transport of fuel in compliance with ADR\*\* regulations

Tanks can be transported full anywhere\*,

without the need for draining or degassing (up to 3 000 L)

Anti-slosh partitions

110% retention capacity

Forklift pockets on all four sides and lifting rings

CAPACITY		CYLINDER			NEW GENERATION					
		5 000	10 000	20 000	2 000	3 000	5 000	10 000	18 000	27 000
connections					Push/Pull					
dimensions (mm)	L	3 700	4 100	4 850	2 300	2 300	2 320	2 300	5 500	7 700
	l	x 1 700	x 2 350	x 2 650	x 1 150	x 1 550	x 2 320	x 2 300	x 2 250	x 2 250
	h	x 2 050	x 2 600	x 3 050	x 1 320	x 1 320	x 1 670	x 2 450	x 2 450	x 2 450
empty weight	kg	1 400	2 200	3 900	865	992	1 850	2 930	3 820	5 300

Information provided for reference only – Subject to validation by our technical department

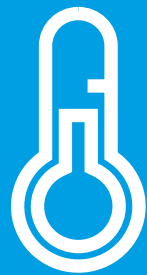
\*Optional DN 20 threaded or push/pull connection

\*\*Only for 3 000 L models



# Mobile Solutions

# Positive Negative cooling



**Tibbloc has diversified its offering with temporary cooling solutions tailored to industrial needs and specific processes.**

#### **PERFORMANCE AND FLEXIBILITY**

**Wide temperature range:**

Positive and negative cooling with chilled/glycol water outlet temperatures down to -30°C

**High energy performance:**

High COP, screw or scroll compressors for maximum efficiency

**Environmentally friendly:**

Low noise emissions and use of next-generation refrigerants

#### **EXPERTISE AND SUPPORT**

**In-house design office:**

Refrigeration experts for all types of projects (process cooling, industrial applications, cold storage, etc.)

**Modern fleet:**

Wide range of chillers and dry coolers with continuous performance monitoring, available 24/7

**Turnkey services:**

Delivery, installation, commissioning, and complementary equipment (heat exchangers, tanks, pumps, hoses, etc.)

**Equipment adaptability:**

Integration into your facilities and industrial processes with our project team for tailor-made solutions



# Chillers

**From 8 kW to 1 MW for your tertiary and industrial applications: hospitals, data centers, agri-food, plastics, pharmaceuticals...**

The quality of our chiller fleet and the wide range of power ratings allow us to meet numerous industrial applications in both positive and negative cooling (storage, process, temperature maintenance, tertiary applications, etc.). High-capacity units are available with independent pumps and can be equipped with various accessories: buffer tanks, heat exchangers, hoses, and more.

**Our air-cooled chillers are mounted on reinforced frames, custom-built in our workshops. This ensures their robustness and reliability from the moment they are commissioned.**

## TYPICAL SET-UP

---

Chillers with integrated single or dual pump

---

Scroll compressors

---

Low electrical demand

---

Soundproofing (compliant with noise and environmental regulations)

---

High-performance control system

---

Compliance with standards

---

Refrigerants: R410A and R407A

---

Power supply: 400 V 3-phase + ground

---

Constant flow or regulated flow with 3-way valve, depending on the model

---







## Negative Cooling unit

**Our chilled water coolers, ranging from 50 kW down to -28°C, are perfectly suited for your low-temperature cooling needs. They operate with 50% MEG glycol water and can handle ambient air temperatures up to +45°C.**



### COOLING CAPACITY

**48 kW** -28/-23°C

**68 kW** -25/-20°C

**92 kW** -20/-15°C

Glycol water flow rate: MPG 50%,  $\Delta T$  5, up to 19 m<sup>3</sup>/h

Eco-friendly refrigerant: R455A

Two piston compressors / two independent circuits

Electrical supply: 400 V 3-phase + ground



## Reversible heat pump

**Our 40 to 320 kw cooling units with heat pump can be used for a large number of installations, such as cooling, air conditioning, and heating in one single piece of equipment.**



### TYPICAL SET-UP

Our reversible water chiller units are placed on reinforced chassis, made in our workshops. This guarantees you their sturdiness and effectiveness from startup.

Cooling unit with integrated single or double pump Scroll compressors

Low electrical need

Soundproofing (acoustic comfort)

Efficient regulation

Compliance with standards

R410 and R407 A refrigerant

400 V TRI + T Electrical power

Cooling and heating with just one device

Wide range of applications

No ozone layer destruction

Sturdy construction

Quick installation and commissioning





## Air coolers

# Dry-cooler

### Economical Cooling in High Temperatures

Our dry-coolers are frequently used to cool water warmer than the ambient air through thermal exchange.

#### APPLICATIONS

Ideal for providing additional cooling capacity when the outdoor temperature exceeds 35°C.

Designed to lower process temperatures by 10°C compared to the incoming water temperature.

Performance:

Unit power ranging from **350 kW to 2.2 MW\***

Energy Efficient:

Low electrical consumption

Suitable for High Process Temperatures

Quick and Easy Installation





# Adiabatic coolers



## An Alternative to Cooling Towers an free from Legionella Risk.

Perfectly suited for sensitive industrial processes during periods of high heat.

### APPLICATIONS

Reduce process temperature by up to 30°C compared to incoming water temperature

Replace a traditional cooling tower

Eliminate the risk of Legionella on site

Secure a cooling network

### KEY POINTS

Wet bulb temperature: 21°C

Safe: No specific water treatment required

Performance: Thermal power dissipation up to 1,300 kW per unit\*

Compliant with high ambient temperatures (ambient air: 35°C)



### Free from Legionella Risk

The safest adiabatic cooling solution against the risk of Legionella proliferation.

Not subject to regulation 2921 and compliant with standard NF E 38-424 (December 2020).

### Reduced Water Consumption

The water recirculation system, operating at low temperature and without bacterial risk, reduces water consumption by a factor of three in adiabatic mode. No water treatment required.

### Energy Savings – EC Motor

Very low energy consumption, compliant with Ecodesign Regulation (EU) 327/2011.

These data should be adapted according to your processes.



# Water-cooler chiller



## Water cooler chiller - 40 kW

For economic air cooling during high temperatures.

### APPLICATIONS

Cost-effective water cooling solution, ideal for installations with limited space.

Chilled water outlet temperature: +12 / +6 °C

Min./max. ambient temperature: -20 / +25 °C

Scroll Compressors

Compliant with standards

Electrical: 400 V – 3-phase + Neutral



# Mobile Refrigerated containers



## For Your Commercial and Industrial Applications...

With our mobile refrigerated containers, you benefit from reliable, immediate cold storage capacity without financial immobilization. These temporary units are ideal for storing food products as a complement to your existing refrigeration systems.

### TYPICAL SET-UP

Capacity: from 4 pallets (11 m<sup>3</sup>) to 20 pallets (40 m<sup>3</sup>)

Storage temperatures: -22°C to +15°C

Available sizes: 10 / 20 / 40 feet

### APPLICATIONS

Storage of refrigerated or frozen products





# **Mobile solutions** **air conditioning**



**Since 2011, Tibbloc has been leveraging its HVAC expertise to serve the industrial sector by offering high-performance air conditioning solutions tailored to specific needs.**

Beyond simple thermal comfort, air conditioning plays a key role in optimizing industrial processes, preserving equipment, and improving working conditions.

**HIGH-PERFORMANCE AIR CONDITIONING SOLUTIONS**

Maintain optimal temperatures for sensitive processes  
Reduce the risk of overheating and extend equipment lifespan  
Ensure optimal working conditions for improved productivity  
Custom solutions for demanding industrial environments



# Reversible air conditioner

## Rooftop

### **Rooftop reversible air conditioners From 50 to 180 kW**

**For Large Industrial Spaces, Logistics, Data Centers, Server Rooms, Workspaces, and Events...**

Our direct expansion reversible rooftop air conditioners allow you to cool or heat medium to large spaces through ducted air distribution, operating with fresh air and/or return air. Our units are equipped with variable airflow control for optimal performance

#### **TYPICAL SET-UP**

Refrigerant: R410A

Air pressure: 600 Pa

Airflow rates: 10,000 to 30,000 m<sup>3</sup>/h

#### **KEY ADVANTAGES**

Compact and easy to connect (plug and play)

Installation on the floor or rooftop

Autonomous and quiet operation

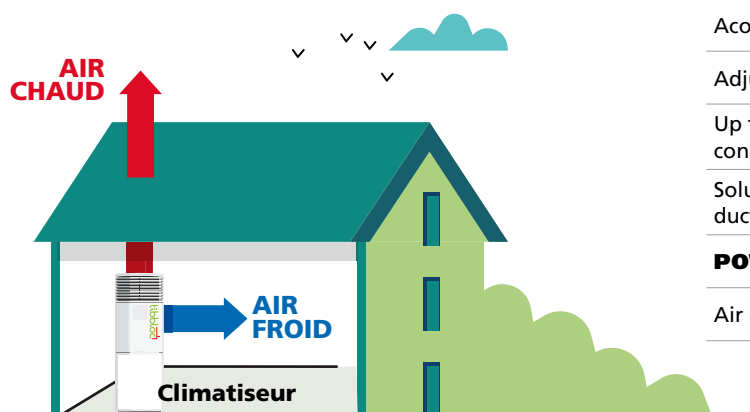




# Mobile Air Conditioners

**For your public reception areas, offices, server rooms, electrical rooms, events, and more...**

Our range of portable air conditioners, ready to operate independently, is especially suited for temporary installations: exhibitions, events, film sets, trade fairs, and more.



## TYPICAL SET-UP

Easy adjustment and handling

Single-phase or three-phase electrical supply

Custom external condensate unit

Adjustable air outlet direction

Acoustic comfort

Adjustable airflow

Up to 30 meters of flexible hoses between the air conditioner and condenser

Solution with remote condenser or hot air exhaust duct

## POWER

Air conditioners from 6.5 to 15 kW



# Cooling Cabinets (Hydronic Coil)

## POWER

ARTA 17.6 kW cooling – **55 kW heating**

ARTA 33 kW cooling – **105 kW heating**

ARTA 50 kW cooling – **150 kW heating**







# Low-Temperature Air Chillers

**Low-temperature coils ranging from 10 kW to 100 kW, ideal for cooling warehouses and cold storage rooms.**

Cooling capacity in negative mode ( $-8^{\circ}\text{C}$  /  $-4^{\circ}\text{C}$ ): **54 kW**

Cooling capacity in positive mode ( $+6^{\circ}\text{C}$  /  $+10^{\circ}\text{C}$ ): **100 kW**

Chiller units combined with air coolers for eco-efficient air conditioning solutions.



# Air Handling Units

**With tested performance, a choice of power ratings and variable airflow, as well as a full range of air distribution and hydraulic accessories, our air handling units for 130 kW to 350 kW can operate with fresh or recirculated air to suit your requirements.**

Our variable airflow units are paired with air distribution ducts for efficient implementation. From low-temperature storage to high-

temperature air treatment with our dry coolers, or fresh air and recirculated air applications, Tibbloc helps you optimize your choice.





# Air cooler



**The 12,000 m<sup>3</sup>/h air coolers are equipped with an evaporative panel, a fan, and a cascading water circulation system. The fan draws in outside air and passes it through a cellulose panel that is continuously moistened by a dedicated pumping system.**



## Air purifiers **Bloc air & Bloc air<sup>+</sup>**

**BLOC AIR TRIPLE FILTRATION WITH  
MICROPARTICULATE FILTRATION  
+ ACTIVE CARBON TYPE MOLECULAR  
FILTRATION  
+ HEPA H14 FILTRATION**

The Bloc Air Tibbloc ambient air purifier (HEPA version) focuses on filtering particulate pollutants. The incoming air first passes through a pre-filter with ePM1 55% efficiency, which acts as an initial barrier for particles larger than 1 µm. A second filter, HEPA H14 class (commonly used in cleanrooms), captures at least 99.995% of ultra-fine particles larger than 0.1 µm.

### POWER

BLOC AIR HEPA: **170 W** Airflow rates from 45 to 650 m<sup>3</sup>/h

BLOC AIR + UVC / HEPA: **750 W** Airflow rates from 80 to 200 m<sup>3</sup>/h



Triple air filtration capturing 99.995% of ultra-fine particulates

Diffusion and recovery of air on 4 sides for 360° air purification

UVc germicides and photocatalytic molecular filtration against microbes, bacteria, parasites, and virus.

Compact and mobile with 4 guide wheels for quick placement in all areas

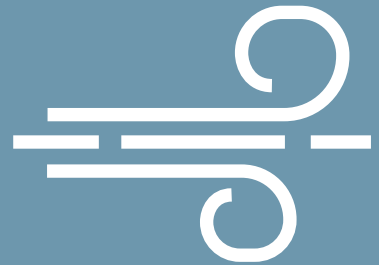
Sturdy aluminium design with 316L stainless steel option for medical, food, clean room environments, etc.

High performance electric switching plug fan and low sound level





# Mobile solutions Air Treatment



**Tibbloc offers air handling services such as temporary installation, ventilation, and extraction on construction sites and industrial facilities, pipe drying, as well as preservation under dry air.**

We have developed expertise in dehumidification and air treatment, with a high-performance equipment fleet for turnkey interventions. Our services include managing relative humidity, monitoring dew points, and treating air to ensure a healthy and controlled environment.

#### **HIGH-PERFORMANCE AIR TREATMENT SOLUTIONS**

- Humidity and air quality control
- Ventilation of confined spaces
- Drying through preservation under dry air
- Air conditioning and purification in work zones



## Dehydrators

Dehydrators act as a barrier against moisture, exceeding a certain humidity level can lead to harmful consequences, potentially altering or damaging sensitive products. Thanks to our dehydrators rental service, you can optimize your operations, whether you're working in agri-food, chemical, textile, or any other industry requiring effective drying solutions

Thanks to our dehydrators rental service, you can optimize your operations, whether you're working in agri-food, chemical, textile, or any other industry requiring effective drying solutions.

### CAPACITIES

Airflow rates from **250 m³/h to 8,000 m³/h**

Adsorption capacity at 20°C / 60% RH: from 1.1 kg/h to 52 kg/h

### APPLICATIONS

Accelerate drying processes

Prevent moisture absorption in hygroscopic materials (such as cardboard, powders, paper...)

Lower the dew point to avoid condensation

Reduce relative humidity to prevent corrosion



## Dehumidifiers

Controlling humidity is essential to ensure product quality, preserve equipment, and optimize drying processes. Our rental dehumidifiers and dryers offer a flexible, cost-effective, and efficient solution to meet these needs.

Whether for temporary projects, production peaks, or seasonal requirements, our experts help you find the right equipment without the need for a high initial investment.

### CAPACITÉS

Airflow rates from **270 to 1,230 m³/h**



# Axial Fans



Our axial fans deliver high airflow for uniform ventilation, even in the most remote areas. The system is perfectly suited for large processing volumes and is ideal for ventilation, drying, and cooling needs in sectors such as construction and heavy industry.

## KEY FEATURES

Airflow rates up to **50,000 m³/h**

Available pressure levels: 225 or 350 Pa (air mixing)

Wide airflow range



# Fans Air extractors Centrifugal



The system is ideal for ventilation, drying, and cooling needs in sectors such as construction and heavy industry.

## KEY FEATURES

High airflow for uniform ventilation even in the most remote areas

Airflow rates up to 30,000 m³/h

Available pressure: from 600 to 3,000 Pa

Perfectly suited for large treatment volumes



## Filter Units

Our filter units are designed to efficiently handle the exhaust output from extractors.

### EXTRACTION / FILTRATION OF EMISSIONS

Airflow rates: from **1,000 m<sup>3</sup>/h** up to a maximum of **15,000 m<sup>3</sup>/h**



## Electric Air Heaters

Rental of compact, easy-to-install electric heaters and robust, high-performance electric heating units.

### 3 KW HEATER

Airflow: **650 m<sup>3</sup>/h**

Duct diameter: 160 mm, max length 1 meter

### DUCTABLE HEATING UNITS - 15 TO 30 KW

Airflow: **1,000 m<sup>3</sup>/h** and **3,700 m<sup>3</sup>/h**

Regulation thermostat (30 kW model)

### 24 KW HEATING UNITS

Treatable airflow: **1,800 m<sup>3</sup>/h**

Temperature rise ( $\Delta T$ ): from **25°C** to **70°C**

Compact and mobile on wheels

### APPLICATIONS

Heating at 24,000 W or 36,000 W, ideal for overheating dry air (e.g. at the outlet of a dehydrator)



## Hot Air Generators

Rental of powerful and cost-effective industrial hot air generators, delivering immediate heat production of up to 350 kW.



### TECHNICAL INFORMATION

Airflow rates: **12,000 m<sup>3</sup>/h / 600 Pa** and **24,000 m<sup>3</sup>/h / 700 Pa**

Integrated thermostat

Runs on GNR (Non-Road Diesel)

### APPLICATIONS

Industrial heating, warehouses, storage, large volumes.



## Air Heaters (Hydraulic)



Renting air heaters allows you to get the equipment best suited to your specific needs, without a significant initial investment. You can adjust the rental period according to your projects and constraints.

### POWER

Nominal heating power: **47 kW**

Nominal cooling power: **11 kW**

# Mobile solutions Steam



Since 2018, Tibbloc has expanded its heating expertise to offer boiler and heating plant solutions for steam, superheated water, and thermal fluid.

Our industrial steam boilers meet the demands of industries, district heating networks, and more. These solutions are designed to ensure optimal performance in SPHP 24/72-hour operations, guaranteeing reliability and efficiency.





# steam boiler room **low and high flow**

## **Steam solutions from 250 kg/h to 17 t/h to meet the specific requirements of your setup.**

To address the needs of demanding configurations, Tibbloc offers ready-to-use steam boiler rooms tailored to your specifications.

Our solutions are designed to deliver optimal performance in SPHP 24/72-hour operation, ensuring reliability and efficiency.



## **Steam Boiler Rooms From 250 kg/h to 3 t/h**

### **TYPICAL SET-UP**

Maritime container unit: 20 or 30 feet (6 or 9 meters)

Steel boiler with 3-pass flue gas design

### **PROTECTION UNIT INCLUDES**

WEISHAUPT dual-fuel burner (compatible with domestic fuel oil, natural gas, propane gas)

Feedwater tank with water preheating

Blowdown expansion vessel

Water treatment system (with DUPLEX softener) + dosing pump

SPHP 24/72-hour operation mode

Boilers compliant with atmospheric emissions regulations

Standard and backup feedwater pumps + sample cooler

Stainless steel chimney

Gas control box with gas solenoid valves

Coffret gaz avec électro-vannes gaz

### **AVAILABLE OPTIONS**

Electric ignition burner (no manual assistance required)

Standard gas pressure: 300 mb (option to supply pressure reduction from 1 to 4 bar)

Large water volume boiler: provides high-quality steam with guaranteed stability between low and high loads



# steam boiler room **low and high flow**

**Steam boiler systems with capacities ranging from 6 to 17 t/h**

## **TYPICAL SET-UP**

Heating body: Steel, 3-pass design

## **PROTECTION UNIT INCLUDES**

Modulating gas and domestic fuel oil burner

Standard and backup feedwater pumps

Standalone electrical cabinet with touchscreen for SPHP 24/72-hour operation

Safety PLC (programmable logic controller)

Chimney

Sample cooler

Automatic blowdown

## **AVAILABLE OPTIONS**

Flexible connections for all fluids

Fuel tank with or without supply management

Feedwater tank or degassing tank with condensate recovery

Condensate return pollution control system

Water treatment skid

Continuous hardness monitoring system

Pump skid

Blowdown cooling tank skid

Economizer skid for energy recovery





# superheated water boiler room

**Industrial boilers with high volume stack perfectly adapted to heating systems and industrial processes**

**Tibbloc** makes complete container heating systems available for you, for 24/72 operation.

## TYPICAL SET-UP

Steam boiler with additional taps for superheated water connections

Boiler delivered with self-supported stack

2h firestop chamber which protects the mixed burner and control system

Recirculation and system pump upon request

24h/72 hour unattended operation mode

## OPTIONS

Quick connection to your systems by high performance flexible stainless steel hoses or steel/stainless steel piping optionally delivered



# Electric Steam boilers

## TYPICAL SET-UP

10-foot maritime container

20 to 250 kg/h power

Max pressure = 7 bar

Steel

Electrical cabinet with control

400 V TRI + T + N Electrical power

## OPTION

Water supply and treatment with Duplex softener

## IN ADDITION

Hot water hoses

Steam hoses

Power supply cables



# Industrial boilers thermal fluid

from 400 KW to 5 mW

## A variety of applications ... Fast and reliable connection to your system

### A RESPONSE ADAPTED TO INDUSTRY NEEDS

Thermal fluid boilers with integrated burner (gas, heating fuel, or dual fuel) limit the problems of pressure, corrosion, or freezing thanks to the heat transfer fluid.

The fluid stays in liquid form throughout the circuit and can reach a temperature of 350°C with a low service pressure. This flexibility of use makes this

equipment a solution adapted to a variety of applications such, for example: food, plastics, and chemical processing as well as pharmaceutical and biofuel products.

Thermal fluid boilers are also provided with all necessary equipment upon demand. These turnkey solutions are delivered on skids or in containers.

### WIDE RANGE OF FUELS

Gaseous fuel: Natural gas, LPG, LNG

Liquid fuel: domestic heating oil, non-road

Others: upon request

### UPON REQUEST

Provision of single or double pump

Provision of thermal fluid piping

Provision of natural gas or heating fuel piping





# Superheater steam

25 t/h FOD / GAS

**Our superheaters raise the temperature of the saturated steam produced by the boiler, without changing its pressure, in order to obtain drier superheated steam.**

## ADJUSTABLE CAPACITIES

Superheater from 7 to 25 t/h.

## ADVANTAGES

Complete absence of water droplets

No condensation in the piping

Significant reduction in equipment erosion

Elimination of the risk of turbine blade breakage during power generation





# Mobile solutions compressed air



Since 2023, Tibbloc has been offering plug & play oil-free screw air compressor rental solutions for a wide range of applications.

We support professionals in the oil & gas, nuclear, and many other industrial sectors.

With over eighteen years of expertise in multi-energy rental (heating, cooling, steam, drying), we guarantee responsive, professional service available 24/7 for your compressed air networks and maintenance needs.



CLASSE 0  
ISO8573-1

# Air compressors

## Rental of 100% oil-free industrial air compressors to protect your processes.

**Tibbloc** offers you its new generation of air compressors, delivering higher performance, greater energy efficiency, and longer maintenance intervals.

### Oil-Free Screw Air Compressor

Reduces maintenance needs and eliminates any risk of network contamination.

### Designed for Rental

With a reinforced frame, this compressor comes equipped with all necessary accessories for fast, plug & play installation, including pneumatic and electrical connections, as well as flanges.

### Variable Flow Rates

Up to 13.30 m<sup>3</sup>/min and pressures from 4 to 10 bar, suitable for multiple applications.

### 100% Oil-Free Air – Class 0

Compliant with ISO 8573-1 standard: free from oil, moisture, and particles. Ideal for industrial processes.

### Air Dryers

Available as an optional rental, with adjustable dew point down to +3°C.

### Recommendation

For optimal operation, ambient temperature should be between +3°C and +45°C.





# Air Dryers

## Rental of high-performance refrigerated air dryers, effective across a wide operating range.

**Tibbloc** serves industrial professionals.

With over eighteen years of industrial expertise in multi-energy rental (heating, cooling, steam, drying), we guarantee a responsive, professional rental service available 24/7 for your compressed air networks and maintenance needs.

### OPTIONS

Systèmes de filtration sur mesure

Bâches tampon

Silencieux

### Refrigerated Air Dryer

Allows for an adjustable dew point down to +3°C, depending on settings and ambient conditions.

### Integrated Upstream and Downstream Filters

For optimal protection of the compressed air circuit.

### Flow Range with Operating Pressure Between 3 and 16 bar

Ensures reliable and consistent use, regardless of service pressure.

### Recommendation

For optimal performance, ambient temperature should be between +3°C and +45°C.

### Easy Maintenance and Installation







# **additional equipments & accessories**

**Tibbloc** offers you complete and independent solutions In the following pages you can find a summary of additional equipment integrated into our solutions.



FUEL	<b>15 m³ double-walled fuel tanks</b> with retention
	<b>Cylindrical double-walled fuel tanks:</b> 5,000L – 10,000L – 20,000L
	<b>New generation fuel tanks:</b> 2,000L – 3,000L – 5,000L – 10,000L – 18,000L – 27,000L
	<b>Natural gas tanks:</b> LPG – LNG
HYDRAULICS & AEREAULICS	Gas, fuel oil, heating, and hydraulic <b>hoses</b>
	<b>Steel flanged sleeves</b> with rock wool insulation and Isoxal cladding, including support legs
	<b>V3V regulation skids</b> in DN50 and DN100
	<b>Plate heat exchangers,</b> multitubular heat exchangers
	<b>Pressure maintenance units for networks</b> up to 75 m³
	<b>Pump skids</b> from 7.5 to 22 kW / from 40 to 190 m³/h
	<b>Buffer tanks:</b> 1,000L – 1,500L – 3,000L
ELECTRICAL	<b>Generator sets</b> from 20 kVA to 1,250 kVA
	<b>Electrical cables</b> up to 240 mm²
	<b>Distribution panels</b>
	<b>Isolation transformers</b> 16 and 20 kVA
STEAM	<b>Condensate return pollution control skids</b>
	<b>Food-grade tank</b> up to 20 m³
	<b>Condensate collection tanks</b>
	<b>Tubular steam heat exchangers:</b> 140 kW – 1,500 kW – 1,800 kW with spiral-wound corrugated tube bundles
	<b>Vortex-type flowmeter</b> with temperature compensation
	<b>Steam blow-off valve:</b> self-actuated direct-action type
	<b>Steam silencer: self-actuated</b> direct-action type
WATER TREATMENT	<b>Fuel feed pump</b> with automatic priming and constant flow
	Complete low-point steam <b>trap pot</b>
	<b>Duplex softeners 10 m³/h</b>
	<b>Quadruplex softener container 20 m³/h</b>



tibblod

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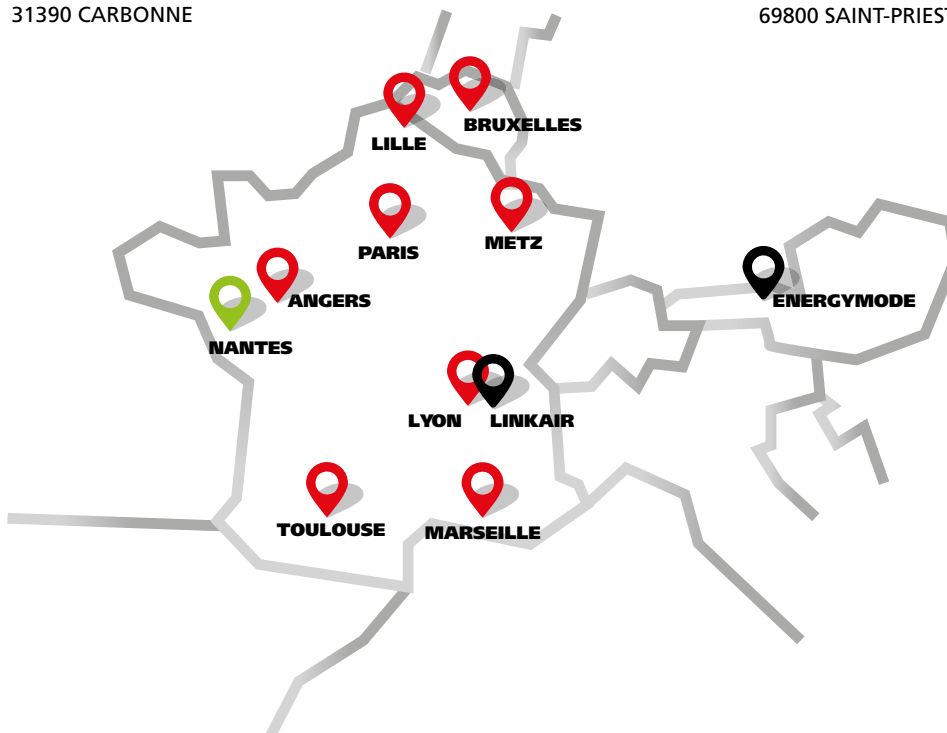
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