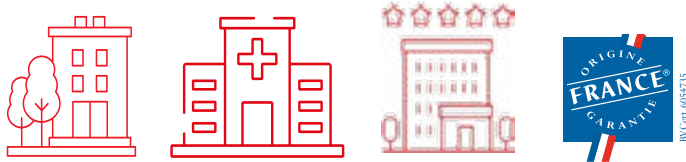




The Steam Substation



Quality



Profitability



Health



Sustainable development



We are the only ones able to equip

your entire steam substation

What is the Steam Substation by SPIREC ?

To safeguard our planet we are convinced that we must consume differently. This concerns energy as well as water and equipment.

We must **reduce energy consumption, preserve water quality,** and use **equipment made to last.**

These values are a permanent source of inspiration for SPIREC.

French manufacturer of heat exchangers and thermal solutions, SPIREC offers a range of products and complete solutions using steam as an energy source:

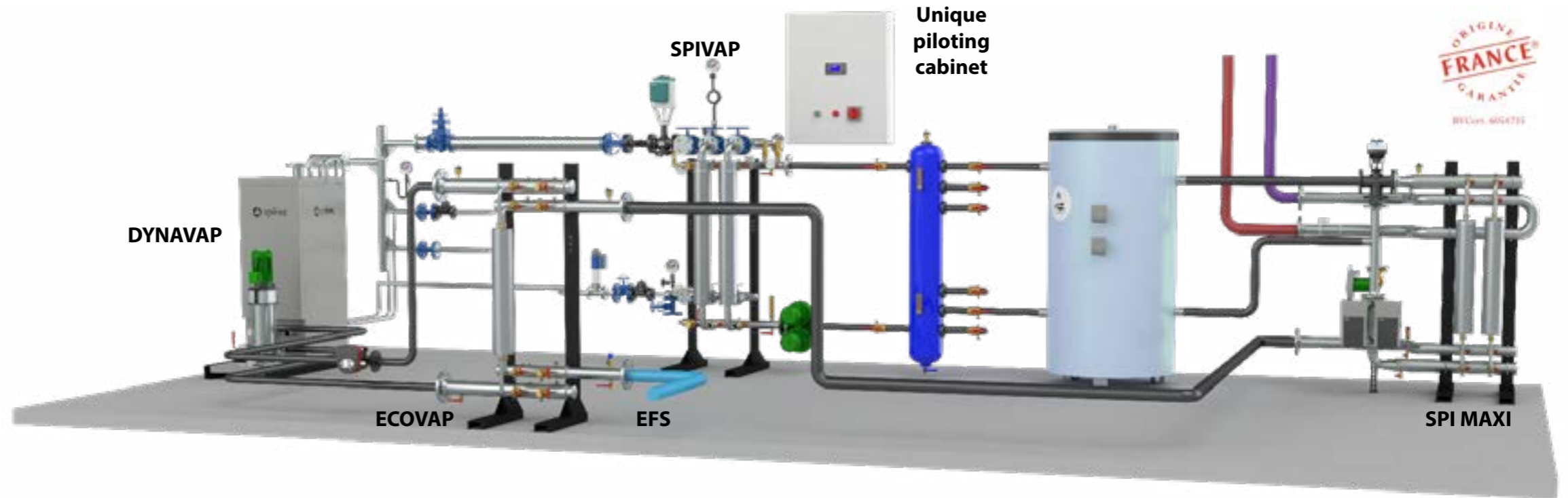
- **SPIVAP** : transforms steam into hot water for heating.
- **DYNAVAP** : receives the condensates from SPIVAP and controls the level and temperature to valorize the available energy.
- **ECOVAP** : preheats the cold sanitary water and the loop with the condensates contained in the tank.
- **SPI MAXI** : DHW preparer fed on the one hand by the SPIVAP and a primary storage tank and on the other hand by the EFS preheated in the ECOVAP.

Integrated in the same substation for **more safety,** controlled by a **single PLC** to **optimize energy recovery,** these products make up the **Steam Substation by SPIREC.**

All the products of the **Steam Sub-Station by SPIREC** are manufactured in our factory of **Sartrouville (78)** and are **OFG certified.**



BVCert. 6054735

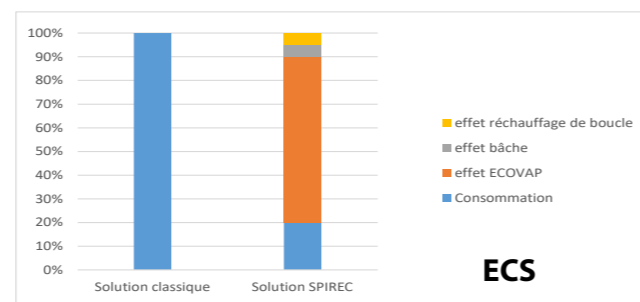


Energy savings

Hybrid steam/condensate control and very fast magnetic valves **reduce energy consumption** by very fine temperature control.

The **tank** on the primary circuit smoothes consumption over the day and **reduces power demands.**

The **preheating** of the EFS by the ECOVAP, the **optimization of the energy recovery** on the condensates contained in the tank and the maintenance of the temperature of the DHW loop by the ECOVAP generate **more than 70% savings.**



Quality of DHW and CTA

Since the DHW loop does not pass through the heat exchangers, **balancing the circuit** and thus obtaining a **temperature above 50°C** at any point is facilitated, **which prevents the proliferation of legionella.**

The **preheating** of the DHW is **secured** by a daily internal thermal shock carried out during the night when there is no more draught.

The preheating of the DHW in the **ECOVAP** is stopped when the **high threshold** of the DHW temperature is reached.

The **bi-metallic steam trap** equipping the **SPIVAP** prevents the introduction of steam into the condensate network and the associated energy loss.



ELIGIBLE AUX CEE

Long service life

All the products of the **Steam Substation by SPIREC** are made of welded **STAINLESS STEEL 316L.** The high level of quality of realization is the guarantee of the very long life of the substation (some are more than 20 years old).

They are designed to **limit maintenance** to the quarterly manipulation of the isolation valves. The **PV** of the exchangers is **less than 200** due to their low volume, so there is **no need for periodic maintenance** of the **Steam Substation products by SPIREC.**

The SPIREC Steam Substation complies with the requirements of the **CPCU Technical Guide**: PN40 on the steam side and PN25 on the condensate side.

The **long service life of the Steam by SPIREC Substation** is reinforced by all the **safety** devices in place: bi-metallic traps, safety valves, pressure sensor, temperature sensors, safety thermostat, tightness of the cover, traps...

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Among our references



AP-HP Hôpital Lariboisière à Paris



AP-HP Hôpital de la Pitié-Salpêtrière à Paris



AP-HP Hôpital Gériatrique Paul-Doumer à Liancourt



Préfecture de Police Rue Massillon à Paris



GECINA boulevard de la Madeleine à Paris

Our others applications

