

APPLICATION: HEALTHCARE

CUSTOMER: HÔPITAL DE SALLANCHES

POWER PLANT: 2 X 1600 kVA

LOCATION: SALLANCHES (HAUTE-SAVOIE)
FRANCE

Photo credit: MontBlancLive



KOHLER-SDMO PROVIDES A BACK-UP ELECTRICAL POWER SUPPLY FOR THE HÔPITAL DE SALLANCHES

The Hôpital de Sallanches is one of 7 healthcare establishments governed by the hospital trust for the Léman-Mont Blanc region of Haute-Savoie. It has a capacity of over 400 beds, treating 33,000 emergency cases, performing 5000 surgical interventions, and attending to 1400 births each year on average.



Adapting the back-up power plant to the new requirements of the establishment

The establishment was equipped with a KOHLER-SDMO back-up power plant, with two 650 kVA generating sets, installed in the 1990s. This plant was running on the peak tariff (EJP) rate between November and March.

The extension of the establishment meant that this installation had to be made compliant, with greater generating set output needed to meet the new requirements of the site.

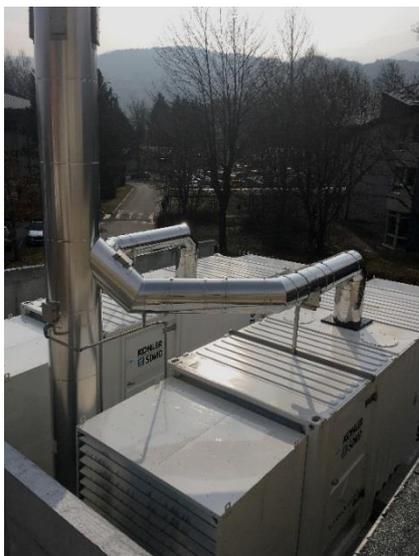
A design office, based in Lyon and specializing in **securing power supplies**, was appointed by the hospital to carry out a complete audit of the back-up electrical installation, create a set of specifications for construction of the new power plant, and launch a public call for tenders.

The selected power plant would have to comply with the order known as "2910" which governs emissions for combustion engines and turbines in France.

The preliminary project brought to life with 3D imaging

In its response to the call for tenders, the KOHLER-SDMO **installation design office** proposed a set-up within 20-foot soundproofed containers. In fact, the area occupied by the existing back-up power plant was too narrow to house the new generating sets.

This preliminary project phase included **3D images** of the power plant located on-site to enable the customer to assess the **aesthetic merits** of the new plant. The generating sets not only needed to provide back-up energy for the installations, they would also have to be seamlessly integrated into the existing suite of buildings on-site, located close to the **foot of Mont Blanc**.



A relationship of trust

The design office, responsible for the project, supported the KOHLER-SDMO solution above the competition. The Hôpital de Sallanches, which has had many years of experience with KOHLER-SDMO, went with their choice.

The selected solution comprises two generating sets with mutual back-up, 1600 kVA each in 20-foot containers. Each of the generating sets can be used as back-up for the mains power or as back-up for the other.

A **concentric flue type chimney**, shared between the two generating sets, completes the assembly, to ensure compliance with order "2910".

The hospital's technical services department was able to see the generating sets during **factory acceptance** at the KOHLER-SDMO manufacturing site in Brest, prior to delivery and installation of the equipment.

