



KOHLER | SDMO

CUSTOMER: PARC DU PUY DU FOU

POWER PLANT: 1 x 550 kVA

LOCATION: LES EPESES, FRANCE

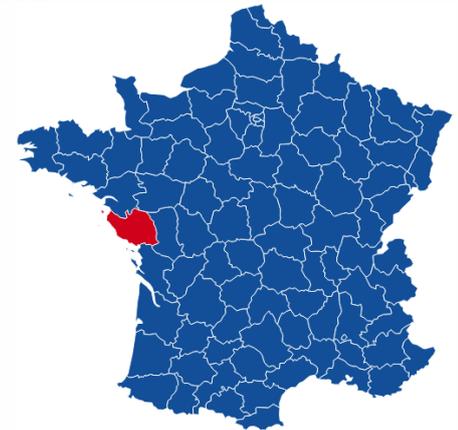
KOHLER-SDMO SUPPLIES BACKUP ELECTRICITY FOR ONE OF THE MAIN ATTRACTIONS AT THE PUY-DU-FOU LEISURE PARK

TERTIARY BUILDINGS

The Puy-du-Fou history-themed leisure park was founded in 1978 by Philippe de Villiers in the Vendée region, among the ruins of the old château of Puy-du-Fou. A not-for-profit association, in the year of its founding the park held its first *Cinésécénie* show, a nocturnal event involving some 600 volunteer actors retracing the history of the region through the Maupillier family set in the Middle Ages. 40 years later, Puy-du-Fou has been an immense success, with an average of 2.2 million visitors each year and revenue of 75 million euros. This makes the park the second most popular leisure complex in France, behind the two Disneyland Paris parks and ahead of Parc Astérix and Futuroscope. Covering nearly 55 hectares, Puy-du-Fou offers nearly 60 shows, 4 historical villages, 25 restaurants and 5 themed hotels. The whole site is managed by the joint efforts of some 3,650 volunteers and nearly 2,000 permanent and seasonal employees. In total, over 70 different professions are active at the site, ranging from scriptwriters to stage designers, animal trainers, stuntmen and women and other technicians.

**EXPRESSION OF NEED:
SIGNIFICANT POWER REQUIREMENT FOR A
LARGE-SCALE AUDITORIUM**

Among the numerous historical attractions offered by the park, there is the *Dernier Panache* show first performed in 2016 and constituting one of the park's greatest challenges.



A 7,500m² auditorium named the Théâtre des Géants was built for the occasion with circular seating terraces weighing 500 tonnes which turn independently, enabling the 2,500 spectators to view the stage action like a long travelling cinema. To this is added a screen deployed at 180 degrees on which images are projected in ultra-high definition. It is a technological feat that was 10 years in the design and required investment of 19 million euros to tell the story of Charette, a naval officer and one of the leaders of the rebellion in the Vendée region after the French Revolution. To power this gigantic show, KOHLER-SDMO was called in to supply a 550 kVA generating set capable of providing power to the theatre in the event of a power cut.



PROJECT IMPLEMENTATION: SELECTION OF A 550 kVA GENERATING SET

KOHLER-SDMO personnel dealt directly with the park for this contract. The customer opted for a 550 kVA generating set fitted with a Volvo engine. It notably has a 500 litre fuel tank and is available in the enclosure version.

The genset is equipped with a control unit able to diagnose its functioning in a straightforward manner and to warn the user of any alarms or faults. It is notably fitted with USB and PC ports and system management software allowing it to be operated remotely.

Furthermore, as with all generating sets from the standard KOHLER-SDMO ranges, the V550C2 has multiple elements to combat any fire risk. A powder extinguisher, safety instruction plates and a sand container with spade can be used when putting out a fire and are all part of the regulatory equipment made available to users.

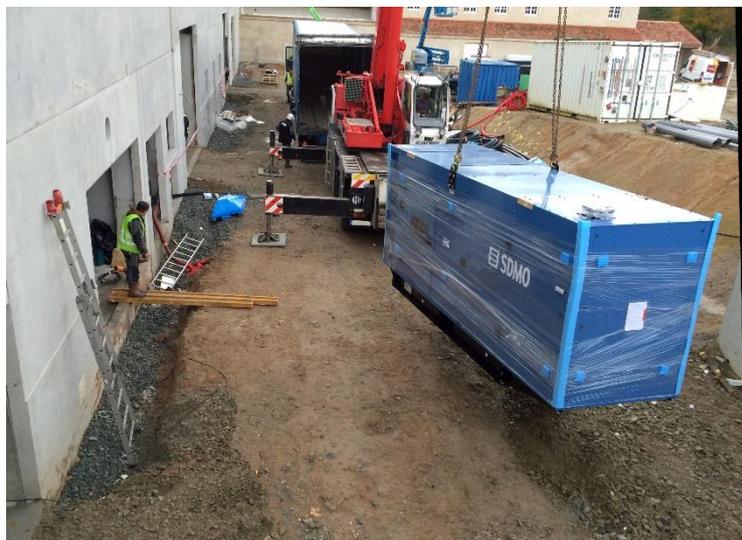


**KOHLER-SDMO SOLUTION:
SEAMLESS INSTALLATION IN A SPECIALLY
CONSTRUCTED LOCATION**

KOHLER-SDMO personnel assisted Puy-du-Fou representatives with the expression of need for the installation of the generating set at the site. A company specialising in heavy lifting was engaged to deliver the V550C2 weighing in at over 4 tonnes.

A 27m² ground floor location was specially constructed to house the generating set. The room notably includes sound insulation to provide a supplementary barrier to the M229 enclosure of the V550C2.

A removable grille on the exterior of the auditorium equipment room enabled the heavy-lifting team to position the generating set. Rigorous supervision by the installation manager ensured that the generating set was delivered without a hitch in line with the previously defined installation plan.



Pic. 1: The 550 kVA generating set delivered on site by the heavy-lifting teams



Pic. 2: Installation of the 550 kVA generating set in the specially constructed 27m² equipment room

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