

APPLICATION: DATA CENTERS**CUSTOMER:** **POWER PLANT:** 9 X 2200 kVA**LOCATION:** QATAR

A KOHLER-SDMO POWER PLANT TO SECURE THE LARGEST DATA CENTER IN QATAR

The telecommunications industry is one of the most important sectors for Qatar. Public investment in this country has helped build an infrastructure dedicated to telecommunications which ranks amongst the best in the world. According to the ICT Landscape 2016 report, Qatar is one of the world's leading public markets for cutting edge technology.

The rate of mobile phone subscription amongst its population is almost 100%. It is also estimated that a third of inhabitants have more than one mobile phone subscription. The telecommunications market continues to develop at a rapid pace thanks to the steady growth of the population and technological developments which allow operators to offer new services (data, 4G, etc.).

Ooredoo is Qatar's leading telecoms operator. Its QDC-5 data center in Doha requires expansion so that it can extend its service offering. The power plant using KOHLER-SDMO backup generating sets therefore had to be supplemented to meet these new needs.



Photo credit www.gulf-times.com

Backup energy for a critical installation

Backup generating sets for data centers must deliver a reliable output with high availability. The quality of the output delivered is the crucial deciding factor for sensitive sites.

The slightest loss of current can have very serious consequences: loss of data, servers overheating, financial penalties... It is not just the security of users' data which is at stake, but also the credibility of the data center operator.

For the expansion of the data center in Doha, it was necessary to provide and install nine new 2200 kVA generating sets. A call for tenders was launched by Ooredoo for this backup energy power plant.

A major project, awarded to the winning combination of quality and experience

It was the quality of KOHLER-SDMO's products, combined with the professionalism of its engineering department, and the reputation of Qatar Site and Power – KOHLER-SDMO's partner in Qatar – which won the customer over. To win this contract, the teams of engineers in charge of the project were able to offer multiple technical adaptations of the products at the best price. And, thanks to its excellent interpersonal skills and the technical services it provides, Qatar Site and Power has been able to build the customer's loyalty.

The installation was set up within one of the data center's machine rooms. Each of the generating sets was paired with a fuel tank with a capacity of 1000 liters, and two fuel pumps.

Both the customer and the local partner attended the factory tests, conducted in the KOHLER-SDMO plant in Brest (France) before the generating sets were shipped to Qatar. This gave the technicians the opportunity to carry out impact tests at full load to definitively validate the chosen solution.

The generating sets and their installation comply with the rules set by the QCS (Qatar Construction Standards).

Locations within the building have already been sized to house other generating sets for future extensions of the data center.

*This project is one of many
that have been installed for Ooredoo
(more than 100 generating sets
in total) over a number of years.*

In fact, Ooredoo is the first KOHLER-SDMO customer in Qatar since QSP became its local partner.

