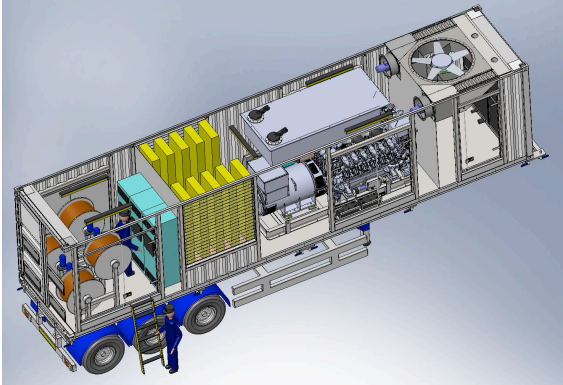


## Launch of trailer mounted units

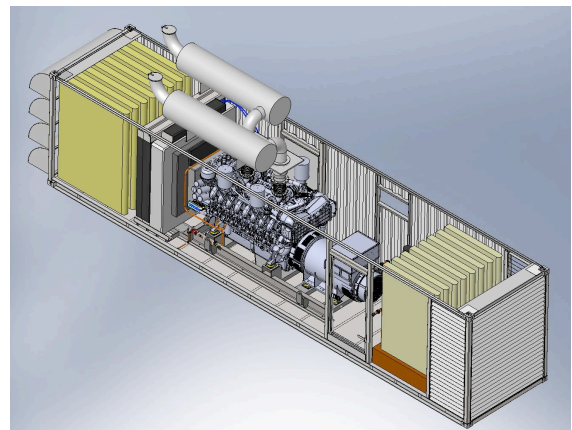
We are pleased to launch below our range of trailer mounted sets as well as our containerised sets with low noise level at higher kVA ratings. All units are designed here at our production unit in Tendring, Essex using a full 3D drawing software and then custom-built as fully CSC plated containers, which can be shipped as normal ISO freight. Once built we install the internal electrics, the generating set with fuel tank, switchgear and control panel.



On the left is a 40ft ISO style custom built container with three dedicated compartments. The far right is a wet area which houses the generator set radiator and roof mounted cooling fan. VSD on fan motor keeps speed and noise down to a minimum. Central compartment houses the 1500kVA generator set and air intake attenuation, as well as a built in 2000 litre fuel tank. The left hand compartment houses multiple motor driven cable reels with remote control to allow operator to draw 4 x 25 metres of cable with ease. The switchboard has a motor driven ACB, with 4 x 800A 4 pole MCCB which is hard wired to 4 off "3 PN+E Safeblock" connection system.

This connection system is also available on the outside of the container. An access ladder is built into the base of the container and pulls out to lock position. The picture of the container shows the roof mounted box silencer and vertical cooling fan, along with two small fans to cool the generator set compartment.

The set shown alongside this description is the first of two special 40 ft ISO style container, rated at 2157kVA, 400V which were custom built to provide power for a factory in the Middle East. Along with its twin, they will be installed at the automotive battery production complex and connected via a third 40ft ISO style switchgear container and external step up transformers to different sections of the process. The switchgear unit will be compartmentalised to provide both the 400V, LV and 10,000V HV requirements of the site. All three containers were designed with the option of trailer mounting.



The set is shown in 3D and as finished photo. Using the 3D system allows our design engineers to check the fit of all components and the maximum or minimum clearances available. In this case the internal engine mounted radiator fitted with just millimetres to spare on each side. Internal fuel tanks and pipe work runs can be drawn and then traced through the container to make sure they are unobstructed. The additional side mounted inlet louvers and outlet diverter ducts, extend the path for the cooling air, helping to slow down the rate of flow and further reduce the noise level.



Our engineers have visited site and mapped out the position of all the units so that plinths can be built and will attend the site to ensure units are installed quickly and cost effectively.

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