Base load (IPP)
TSK / Gigawatt Mozambique, Mozambique

100 MW reliable power for southern Africa

The demand for electricity in southern Africa is growing rapidly for industrial development and for the millions of people who are still living without access to electricity. While alternative sources like wind, solar and water based electricity take a long time to develop, Mozambique has recently made significant gas discoveries off its northern coast. This can be efficiently used for power generation.

Gigawatt Mozambique, owned by the South African Gigajoule Group, is the first Independent Power Producer of Mozambique. With a long term purchase agreement with the Mozambican electrical utility EDM for the supply of electrical power to the national grid, they initiated a project to build a 100 MW power station just outside Ressano Garcia in Mozambique. This town is located on boarder between South Africa and Mozambique, and is an electricity centre with interconnections to the common power grid between the countries in the southern Africa.

Successfully commissioned at the end of 2015, thirteen gas based medium speed B35:40V20G2 gensets supplied by Rolls-Royce are now delivering reliable power to the Mozambique national electricity grid. The 100Mw power plant has the capacity to provide 250 000 new households with electrical power, equivalent to 24 per cent of the electricity requirements of southern Mozambique. This is a big step toward Mozambique government’s target to reach 20 per cent national electrification by 2020. The electrical supply generated from the new plant in Ressano Garcia can be used nationally in Mozambique or sold to the regional network of the Southern African Power Pool.