

2017 - Big news for Gravity Storage, Site for Demonstrator chosen

Heindl Energy signed a Cooperation Agreement with Al-Ayuni Investment & Contracting Company, a large multidimensional Saudi company, for joint planning, design development and construction of a Demonstrator of Gravity Storage.

The Demonstrator would be built on one of the numerous granite quarries of Al-Ayuni in Saudi Arabia. The project will generate cheap electricity and the design will be patented and put to commercial use as a joint business with Al-Ayuni in the Gulf region.

The work program for the upcoming weeks include a detailed site investigation and an in depth planning and design calculation. If all parameters meet the requirements for building a demonstrator, both companies will step into realization.

The demonstrator will be about 20-meter in diameter and 30-meter in depth, engineered and cut in the granite quarries of the arid desert terrain. The installation will enable the proof of concept of all technical applications like the construction of the annulus, the sealing of all surfaces, the rolling membrane sealing, and most important, the pressure management and operation of moving the gigantic granite piston up and down in the cylinder cut in rock. The demonstrator will show a small capacity of around 300 kWh and will be operated for demonstration purpose only. It will commence operation by 2019. The commercial size of Gravity Storage will be of a minimum of 3 GWh.

The demonstrator in Saudi Arabia will be the starting point for a size evolution, which is planned to reach 8 GWh storage capacity per storage plant.

Gravity Storage A new StoreAge. Engineered by Heindl Energy

Heindl Energy GmbH
Am Wallgraben 99
70565 Stuttgart
Germany

Phone: +49 (0)711 6569689-0
Email: info@heindl-energy.com
Web: www.heindl-energy.com

HR-Nr.: HRB 746681, Amtsgericht Stuttgart
USt.Id-Nr.: DE293719435
Geschäftsführung:
Prof. Dr. Eduard Heindl, Robert Werner

Bankverbindung:
Sparkasse Schwarzwald-Baar
IBAN: DE28 6945 0065 0151 0316 15
BIC: SOLADES1VSS