



Identification of new alleles in salinity tolerant rice local cultivars through phenotypic and genotypic screening

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Abstract:

The present study investigated the price dynamics of carbon dioxide, electricity, natural gas, and capital interest rates to generate a series of cost curves for designing power to gas energy storage systems in different locations. The profitability of power to gas energy storage systems is driven by commodity and regulatory markets that control energy, greenhouse gas, and labour prices. The ability to rapidly determine the feasibility of this technology in different locations requires a rigorous sensitivity analysis of these four parameters in order to determine the net cost or profit of any installation. An iterative calculation approach was utilized to generate profitability curves for a variety of different applications and locations. The analysis was based on CO2Storage Ltd's power-to-gas technology that converts combustion exhaust emissions into renewable methane. This approach yields a profitable path for converting all existing combustion systems into renewable based energy storage systems.

Biography:

Natan Shahar has completed his MS at the age of 25 years from Columbia University in New York City. He is the founder and CEO of several companies in New York, Israel and India where he focuses on energy storage technology development and the design and execution of energy efficiency projects. He is the inventor of several patents and has more than 10 years of experience in the design, development, and implementation of distributed energy projects.



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