

Redeem replaces thermal reactors with modular, and scalable photocatalytic reactors that harvest the energy in sunlight directly with reusable photocatalyst. Redeem innovative design cuts down the photoreactor CAPEX and footprint by more than 50% and the cost of green chemical production by up to 30%.

The Redeem Photoreactor produces green hydrogen in just one step and without the use of electricity. Other key applications include green fertilizer production, wastewater management, ...

A novel technology for making green hydrogen using the energy of sun light (photons) was invented. The technology includes a novel design of photo-reactors and photo-catalyst. The photo reactors are s...

Unlock the future with Redeem Solar Technologies - pioneers in green hydrogen and sustainable chemical production using solar power and photocatalysis, in our cutting-edge flow chemistry solutions. Empowering a sustainable tomorrow.

Redeem Solar Technologies distills the complex supply chain of green hydrogen down to the RedSOL® solution, a modular and easy to deploy photo-catalytic solar reactor that will accelerate the transition to carbon neutral industry and mobility.

By early 2023, Redeem Solar Technologies had officially emerged on the scene, heralding a new era of photocatalytic production. With a growing team and a relentless drive for improvement, Redeem set its sights on making a significant impact in the world of sustainable technology, fueled by the passion and expertise of its founders.

Guided by a steadfast mission, we aim to conceptualize, develop, and implement cutting-edge devices dedicated to harnessing light. Our objective is to contribute to a sustainable future by providing the world with green energy, chemicals, and active pharmaceutical ingredients (APIs) through innovative technologies that leverage the power of light.

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Web: <https://www.gennergyps.co.za>