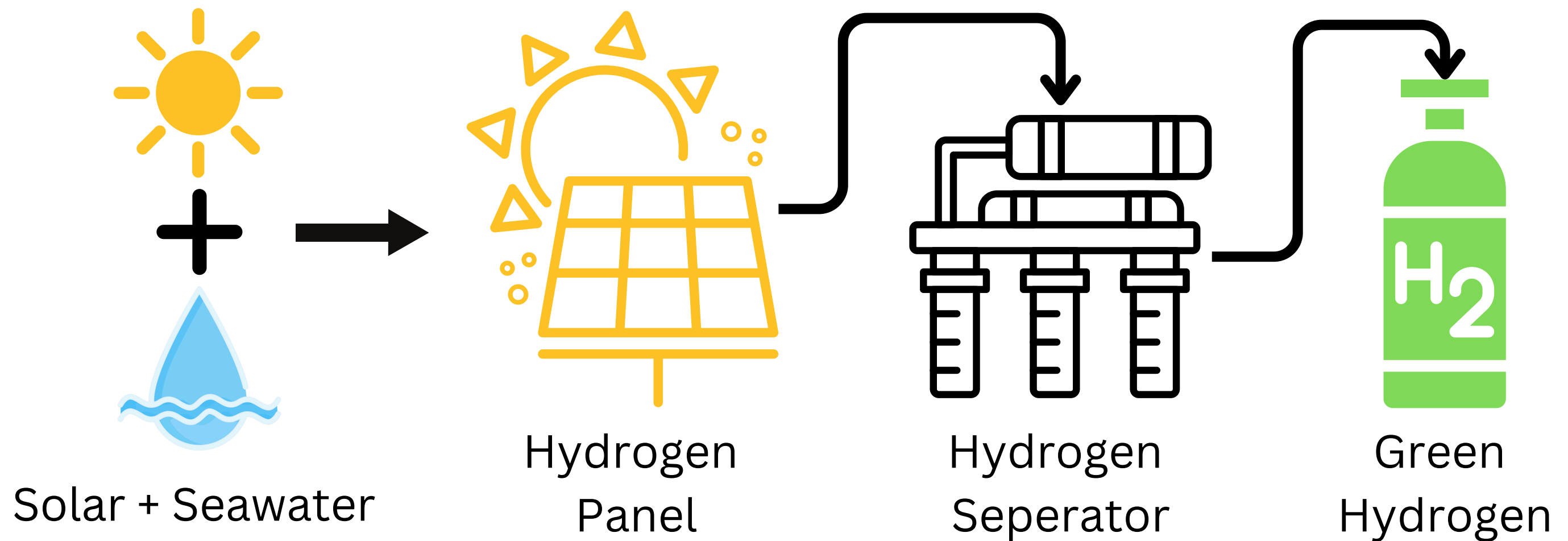


Element Number One



Chris Parks

Founder and CEO of
Element Number One



The Problem

Currently, 95% of hydrogen production in the U.S. is derived from steam methane reforming, a process that emits 3 to 12 tons of greenhouse gases for every ton of hydrogen produced.

In contrast, green hydrogen can be generated with zero emissions through electrolyzers; however, these systems are both capital- and operationally-intensive, demanding substantial electricity and water resources to function.

Our Solution

A solar powered seawater to water hydrogen generation panel. Our hydrogen panel has zero emissions, uses no electricity, and no fresh water to produce green hydrogen.

Our solution can be integrated into hard to electrify applications such as gas turbines, ammonia based fertilizer production processes,