

Equitable Energy Transition Via Novel Thermochemical Cycle That Generates Green Hydrogen/Electricity

Team HERC

Los Angeles, California

Short Description:

A team based around a small business founded by Ioannis Manousiouthakis (Hydrogen Engineering Research Company, LLC or “HERC LLC”) that generates intellectual property and provides analytical analysis concerning ESG impacts in several industries and fields. Consultants to HERC LLC include Dr. Vasilios Manousiouthakis, a distinguished professor at UCLA, and Dr. Jeremy Conner and Dr. Conrad Cole, two post-doc consultants. Our mission consists of empowering communities to better use local environmental resources in a sustainable manner. We do this using precise algorithms and Sustainizability™ services which detect inequity as a tensor function using high-dimensional data from the communities being analyzed. We also provide grassroots, in-person engagement with the community and bring consultation concerning green energy topics and climate change, ranging from: local energy generation methods, wastewater management and treatment, and jobs relating to these efforts. In particular, we wish to do research on a patented thermochemical cycle that generates hydrogen and electricity using concentrated solar power.

Link to Video Pitch:

[<https://youtu.be/czRdE7JJB-ok>]

Key Project Members:

Team Lead

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