

Enabling Circular Supply Chain
in the Maritime Industry by
Utilize Innovative
Electrochemical Reduction and
Molten Salt Electroplating
Processes to Refurbish, Harden
and Extend the Life of Marine
Equipment

The use of linear, single use, supply chain in the marine industry requires significant resource extraction, energy utilization and the embodied energy and carbon footprint to address the impact of corrosion in the marine industry is staggering.

Sujen LLC will contribute to the transitioning the marine industry to a circular supply chain by using patented (and licensed) Idaho National Laboratory technologies to refurbish, harden and extend the lifespan of corroded end-of-life marine equipment.

Sujen LLC plans on working with its partners to setup infrastructural facilities at the U.S. Virgin Islands to scale up and commercialize these innovative technologies to enable a circular marine industry supply chain at the USVI.

Sujen LLC estimates that an annual corroded marine equipment of approximately 15,000 tons will be refurbished and hardened at USVI by using INL technologies.

Sujen LLC estimates that by transitioning to a circular supply chain at USVI, there will be a reduction for the need for resource extraction and 27,750 tons of CO2 per year.

Sujen LLC will create 15 to 20 jobs in USVI Opportunity Zones/Enterprise Zones.