Using Waste Energy to Produce Industrial Water

Problem

Cold Energy worth S$0.5 Million is dumped daily

Liquified Natural Gas -162 C

Gas @ 15 C

Solution

Sea-Water Waste Cold Energy

Patented Technology
10201701459P

Cold water for Cooling applications

Market

Energy savings at LNG terminals

Vayunir™ caters to a large and growing market with a cumulative potential of $800 million!

Industrial grade Cold Water

Development Timeline

December-2017
Lab-scale Prototype demonstration 0.5L/hr

December-2019
Pilot plant 2000L/ hr

July-2021
1st Small scale plant 400,000 L/hr

October-2025
Build & Operate in 3 LNG terminals of Asia Pacific region

August-2022
First commercial desalination plant 1,800,000 L/hr

Financials

YEAR 1-2 YEAR 3-4 YEAR 5 YEAR 6 YEAR 7-8 YEAR 9-10

Revenue 0 0 2.8 12.5 37.2 108
EBITDA 0 0 3.6 20 57

Contact Information: Abhishek Nambiar (65) 90371808
contact_vayunir@gmail.com