

TREASUREHUB

PLASTICS PIRATE

The Problem

- More than 8 million tonnes of plastic enter the oceans annually
- Communities and rangers who recover marine debris have few local options for processing it
- Unrecovered in-water material continues to cause death and destruction of marine life



Our Solution

- Establish a TreasureHub recycling hub
- Work with local communities and rangers to recover remote stockpiles and deliver them to the hub
- Enable remote beach and in-water plastic recovery
- Recycling into usable fuels and building materials



Processor 1

- 24m Landing Barge
- Runs on our pyrolysis fuel
- Transport machinery
- Recover Beach materials
- Recover in-water ghost gear
- Access remote locations
- Act as a mothership
- Accommodation

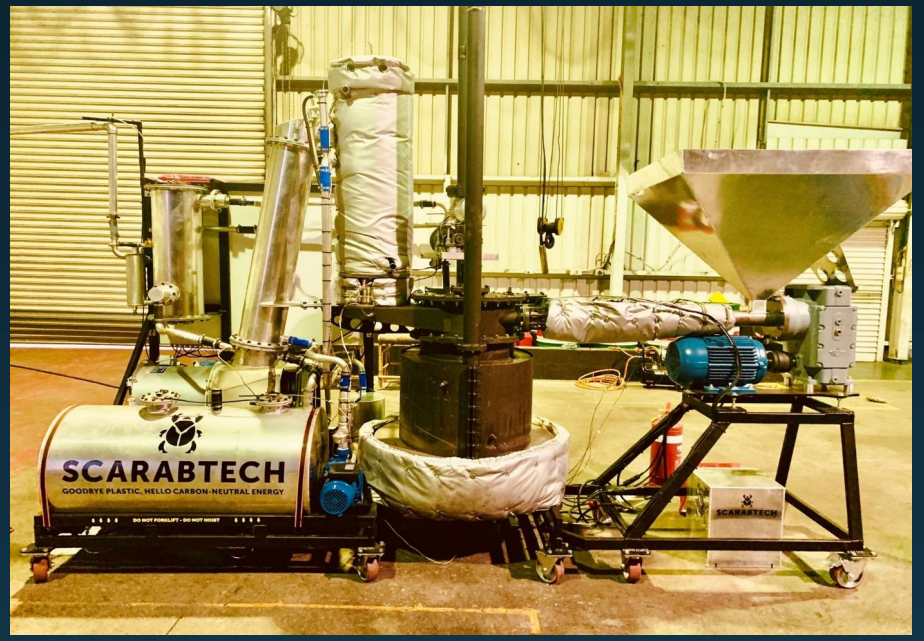


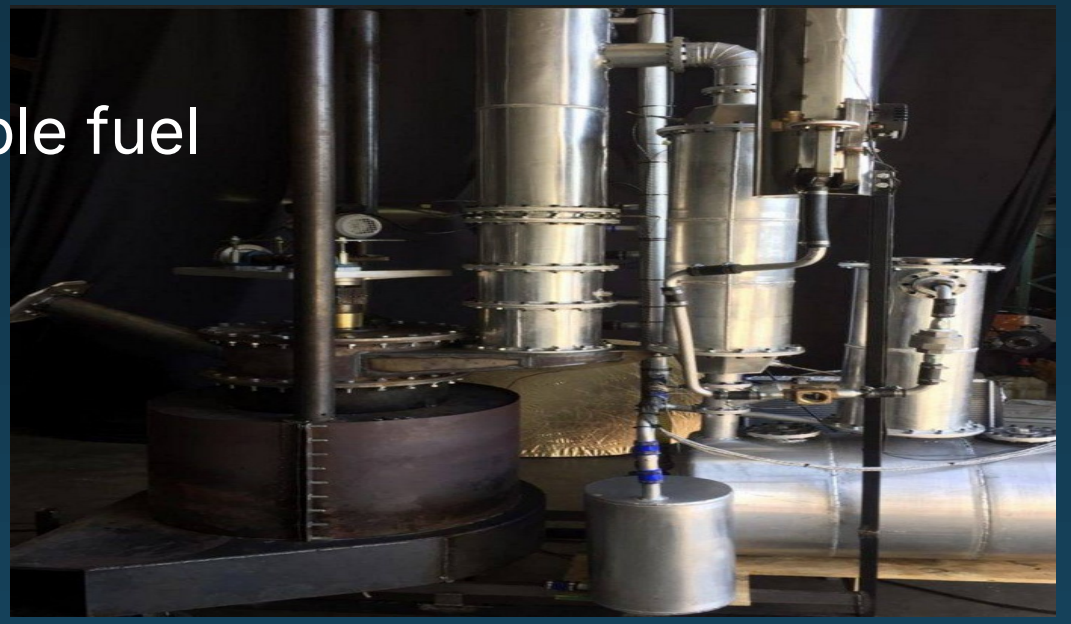




The Beetle

- Small-scale, mobile plastic pyrolysis unit
- Processes around 500 kg of plastic in a 10-hour day
- Produces up to 45 litres of usable fuel an hour





The Melter

- Turns raw plastic into ‘toothpaste’
- Extrudes into building materials
- Extrudes into beetle
- Designed for soft plastics, nets and ropes



Granulators

- Pre-processing hard plastics





Baler

- Compresses plastics into bales
- PET water bottles for recycling market
- Runs on our fuel





Feedstock

- Recovered beach materials
- Hard plastics
- Ghost Gear and Ropes
- In-water materials
- Community plastics
- Agricultural plastics
- Medical plastics

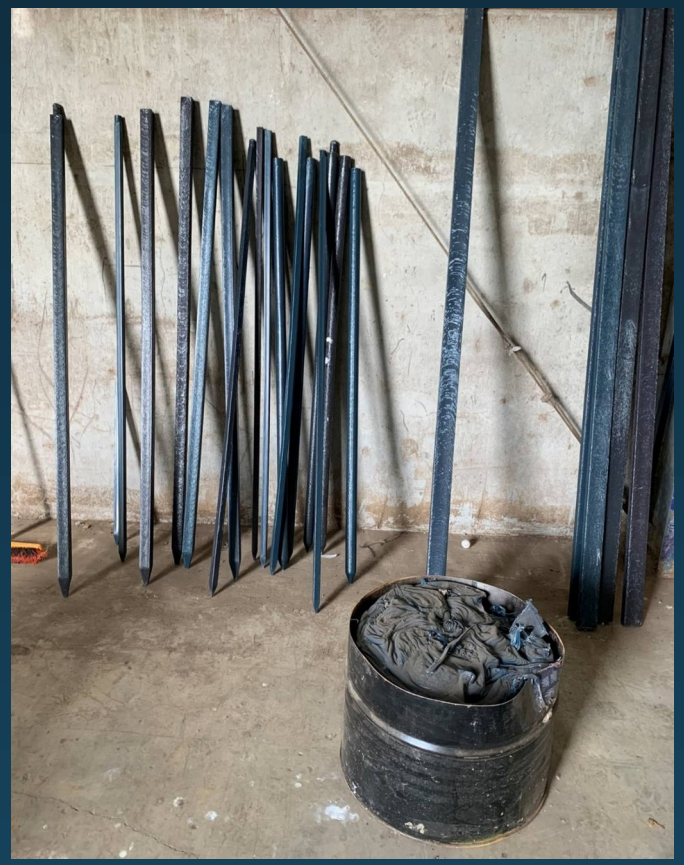







Products

- Fuel – Diesel or Unleaded
- Volume Reduction
- Ingots of plastic
- Stakes
- Decking
- Bollards
- Building blocks







How We Do It

- Establish a TreasureHub at a local transfer station or port
- Recover ocean & land-based materials
- Transport recovered stockpiles to the TreasureHub using Processor1 and a 4×4 crane/tipper truck
- Process plastics into Usable Fuel, Building materials
- Reduce volume
- Prepare plastic for global market
- Train community to operate machinery
- Facilitate and commission additional units







Our Impact for Remote Communities

- Uniting Stakeholders towards a common goal



- Effectively managing plastic recovery and processing
- Removal of in-water materials
- Evidencing fuel sovereignty solutions
- Providing Jobs and Economic Outcomes
- Showcase scalable solutions
- Providing building materials
- Education and awareness programs
- Training

Get on Board

Contact

Connor Clarke – Director

P: 0408 992 073

E: connor@plasticspirate.org

https://plasticspirate.org/