



it just makes earth sense!

Six years ago Judy and I were looking for an end-of-life solution for compostable bags and came across an emerging tech that needed help.

Together we have developed something far more interesting.

Fast-forward to 2023...





ORGANICS INTO SOIL

4
hours



We have designed a technology that enables us to turn end-of-life organics into soil within 4 hours.



- Proven in New Zealand
- 100% landfill reduction of organic waste
- 2.5 - 4 hour process
- Pollution-free process
- Pathogen free
- Waste reduction reporting
- NZS4454:2005 compliant
- FOGO capable
- Urban sprawl friendly
- Process compostable packaging, cardboard & paper without separation

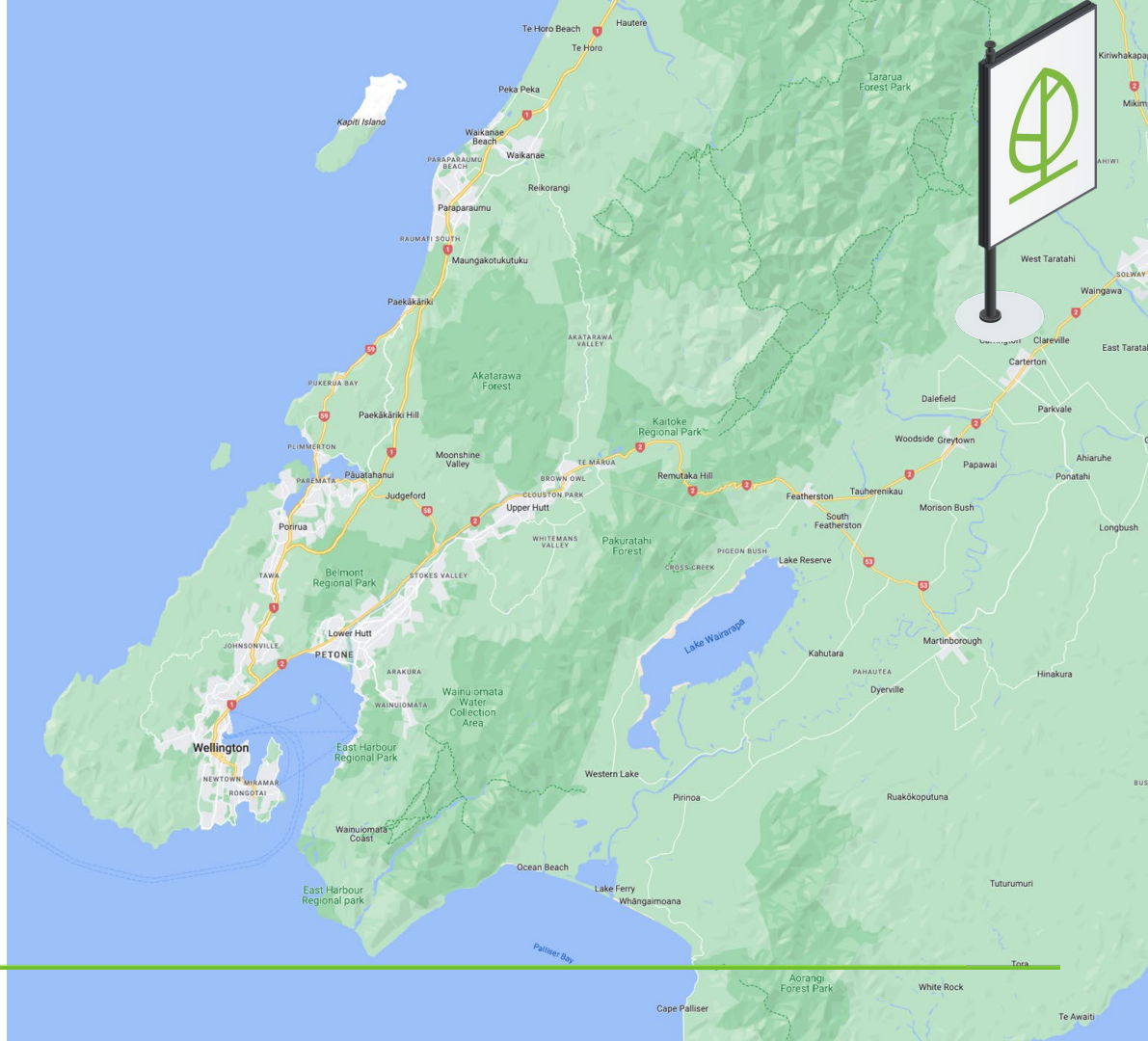




“How much waste can we handle?”

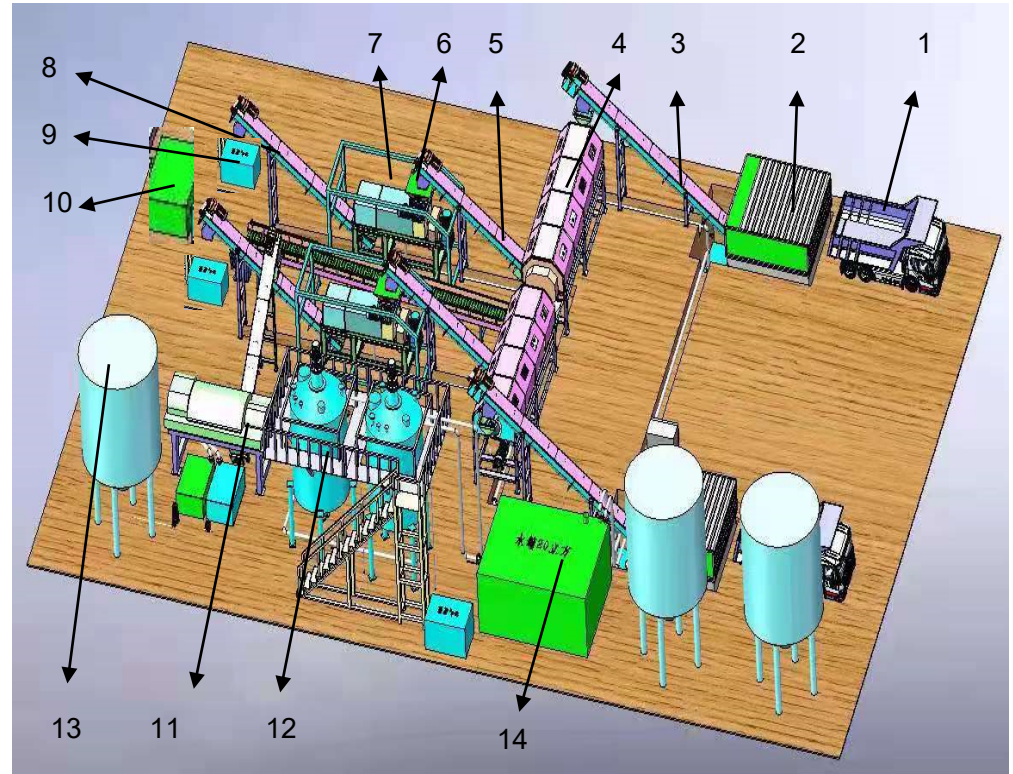


One large centralised system?



Example: 35,000t in 800m²

1. Waste truck
2. Enclosed underground storage tank
3. Twin-screw feeding conveyor
4. Screening machine
5. Conveyor
6. Shredder for coarse crushing
7. Screw-type dehydrator
8. Feeder
9. Temporary material storage tank
10. Reactor
11. Additives mixer
12. Oil-water separator
13. Liquid storage tank
14. Tap water



Dehydrator and ROSIEs



Screw-type dehydrator



Multi-unit ROSIE's process 15t
/batch



Our systems are designed to be modular and scalable.

100,000 tonnes per year? Easy.

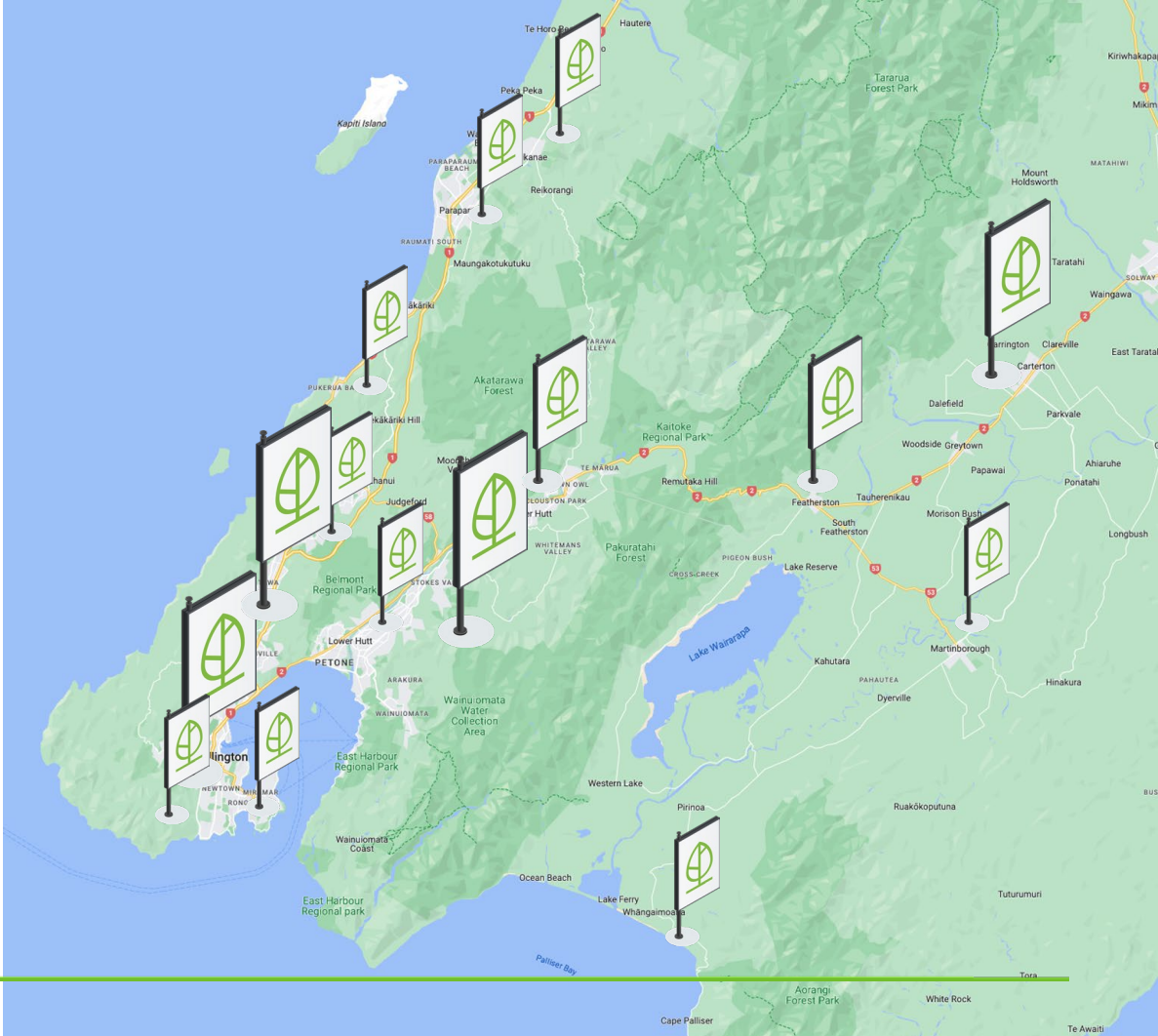


But why not keep the resource and use it in your backyard?

Let's have a look at that model.



Local, community-based hubs



Increase community resilience and bring people together

To process end-of-life organics for up to 5,000 households:

- 1 community facility will process all South Wairarapa household organics plus some commercial
- Population explosion during summer
- Any facility can host
 - community gardens
 - existing community initiatives
 - education centres



ROSIE operating
inside a 20 foot
container

R
O
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recycling
rganics into
oil using
nnovative
design &
engineering



Would a large, centralised system serve a community cut-off after a natural disaster?

Our community system can.

Get a ROSIE into your community today & create your own circular economy.



Thank you

Does anyone have any questions?

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