

Hans Kelderman

Plastics Demacq recycling

40 years experience

thermoplastics en thermosets

Demacq Recycling

Situation 1990



Demacq Recycling

Ercom glass fibre fraction 1990



Demacq Recycling



Demacq Recycling



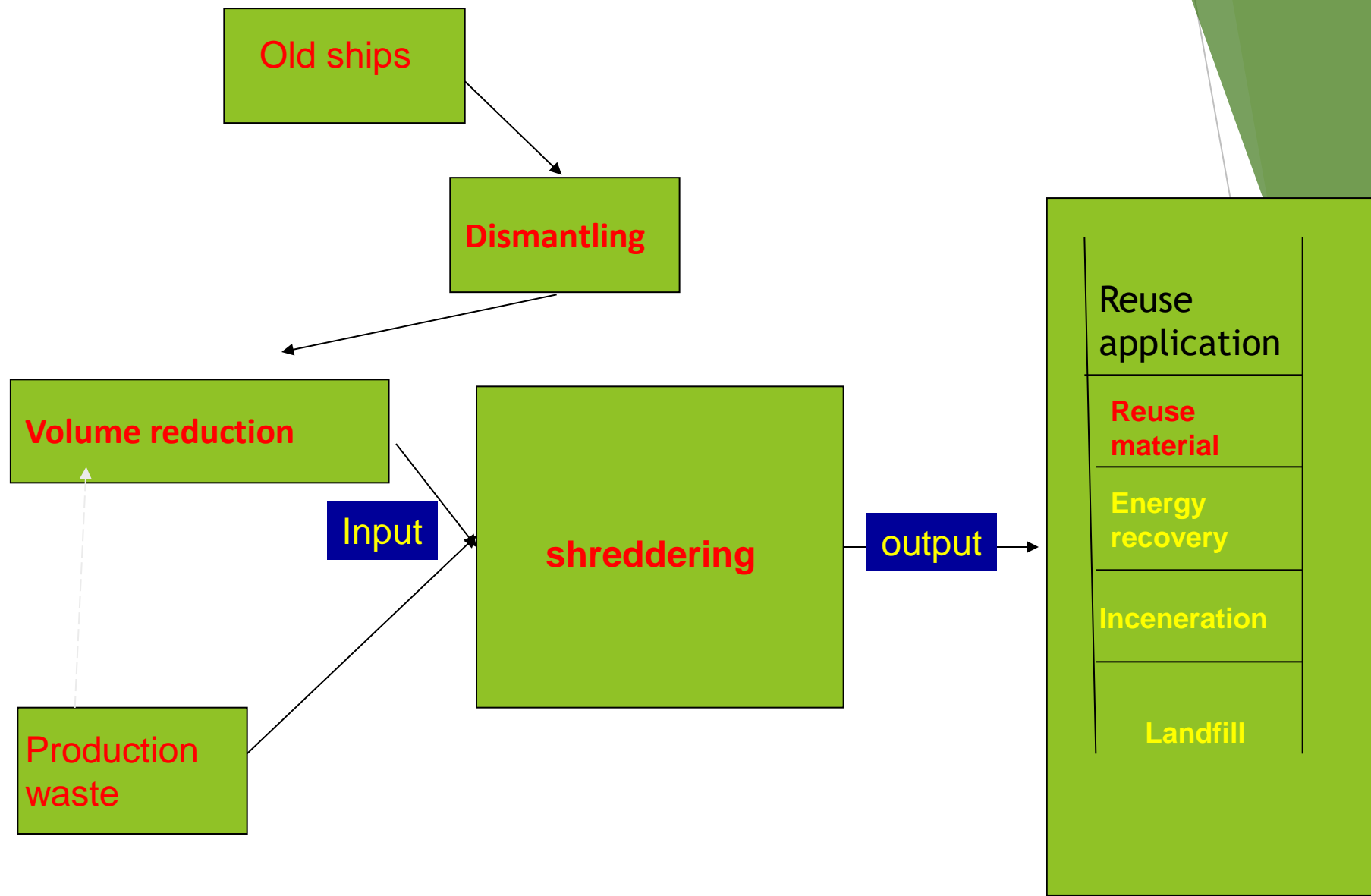
After 20 years



strength pole 60 Kn

Tropical woodlobby in the Netherlands are very strong.

Demacq Recycling



Demacq Recycling

We would like to make the world a bit greener together with you. Through our partnerships we are able to fully recycle all hardened thermosets composites!

These hardened thermosets composites come both from production waste and end of life/ end of use waste.



Now after 25 jaar

Demacq Recycling

We Collect

We collect various types of composites for the recycling of these materials.

Examples of products we collect. These materials originate from production waste and end-of-life

We collect

- Windmill blades
- Bridges and lock gates
- Boats
- Animal feed silos and barrels
- Tanks (water tanks, waste water tanks, fuel tanks and storage tanks)
- Pipes & Profiles
- Vehicle parts
- Construction products
- Sports goods



Recyclingproces

We process

The composite production waste and end-of-life products are transported to a central location by a responsible logistic way for collecting. Once we reach a responsible amount of composite for efficient processing so that we do not waste unnecessary energy in the process, we start processing.

This processing of the composites is going on our mechanical recycling method. This method ensures that there remains a long-fiber, resulting in the strength that can be fully utilized by the re-use of the recycled material without the fibre being too large to apply



Demacq Recycling

We recycle

After collecting and processing the composite there remains a suitable recyclate for various applications in industry. Advantages of our process is the savings in energy and costs for many production processes of materials.



Demacq Recycling

Benefits of thermoset recycling?

- ▶ In this way reach the second step in the environment ladder, reuse of materials.
- ▶ By 1 tonnages thermoset composite recycling we avoid 3 ton CO2 emmision



What do we want?

To have the possibilities to recycle all thermoset composites we need:

- ▶ Ban of Landfill thermoset composites.
- ▶ And a (financial) support of the national coverment.



Please Reactions or Questions??

Thank you for your attention

Hans.kelderman@demacq.nl

Demacq Recycling