



RecyQuest

Plastic Regenerator

Innovative recycling process
for round bale nets
and agricultural twines



Characteristics of used round bale nets

Product specifications



Filamentary thermoplastic in HDPE



Allows to store straw and hay after the harvest



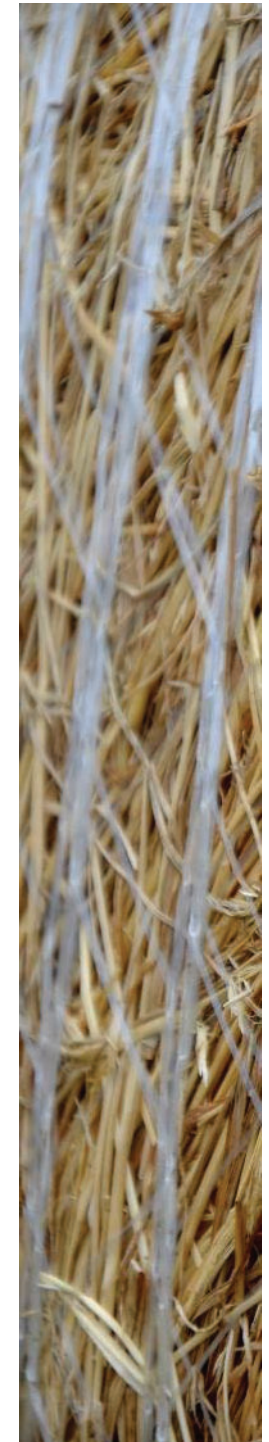
Mechanical tensile strength



Improving productivity



Improvement of product quality
(longer hold)



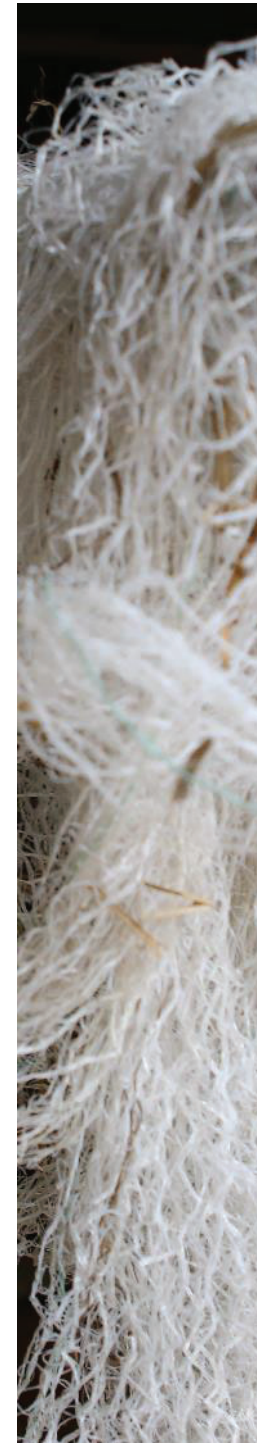
Used plastic characteristics

- 🔄 High contamination rate of the net
- 🔄 Presence of soil, water and straw

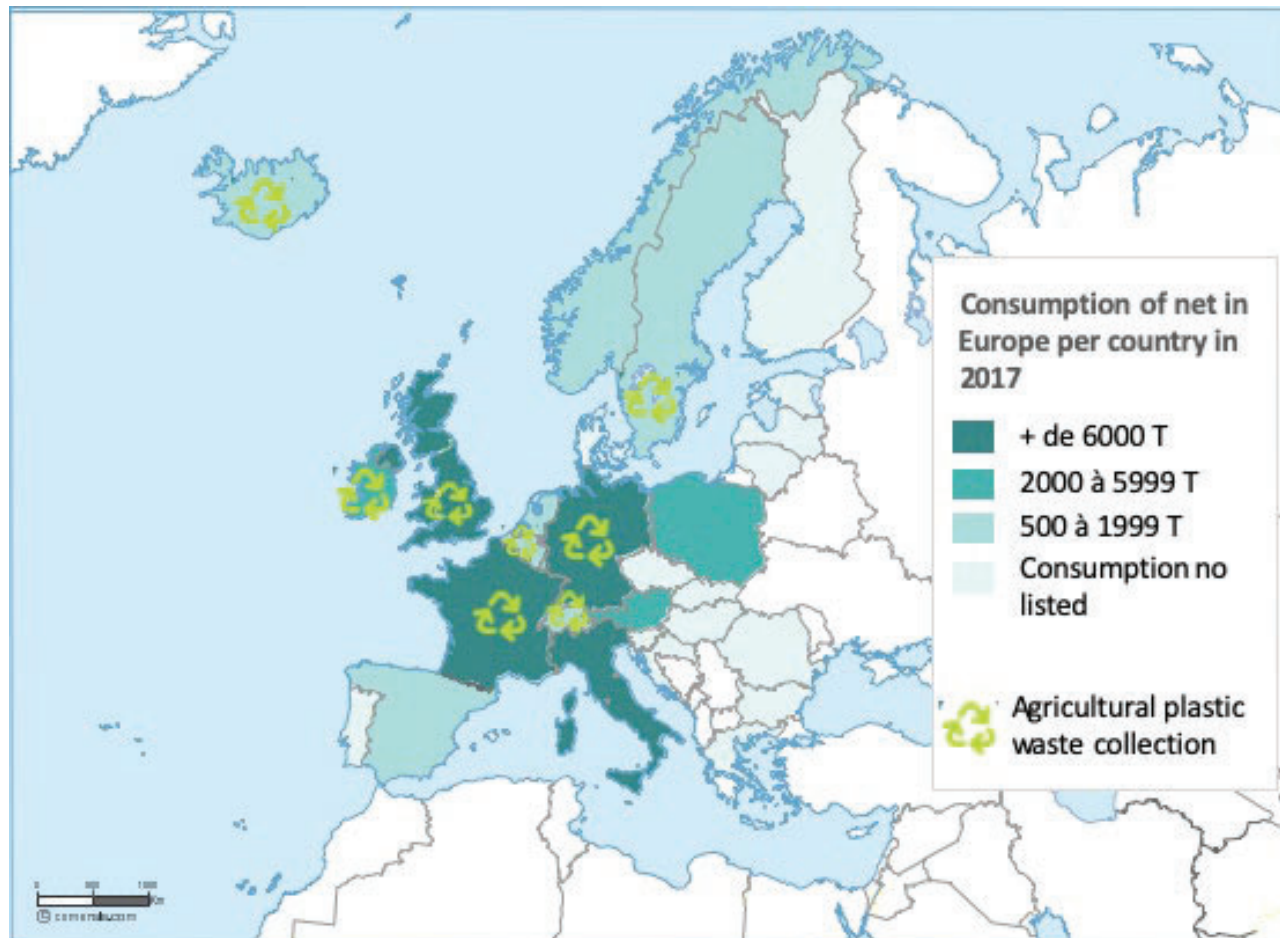


Area of improvement

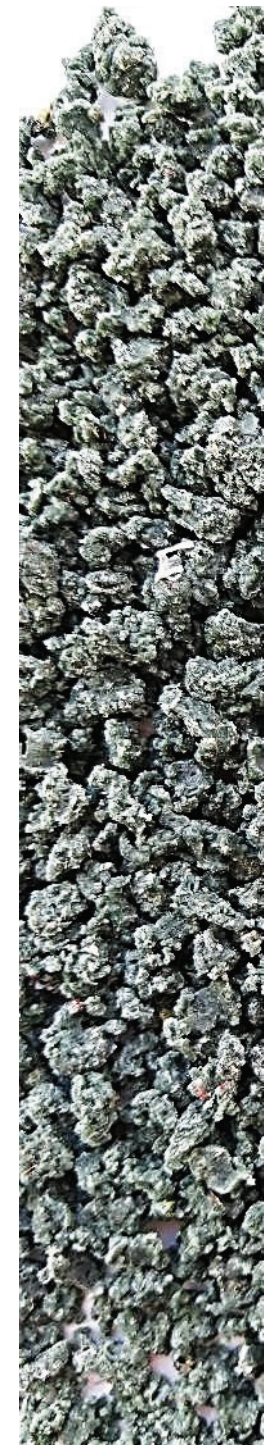
Communicate on how to sort and to collect from the farmer to reduce the contamination rate of the waste



Quantity to be collected in Europe



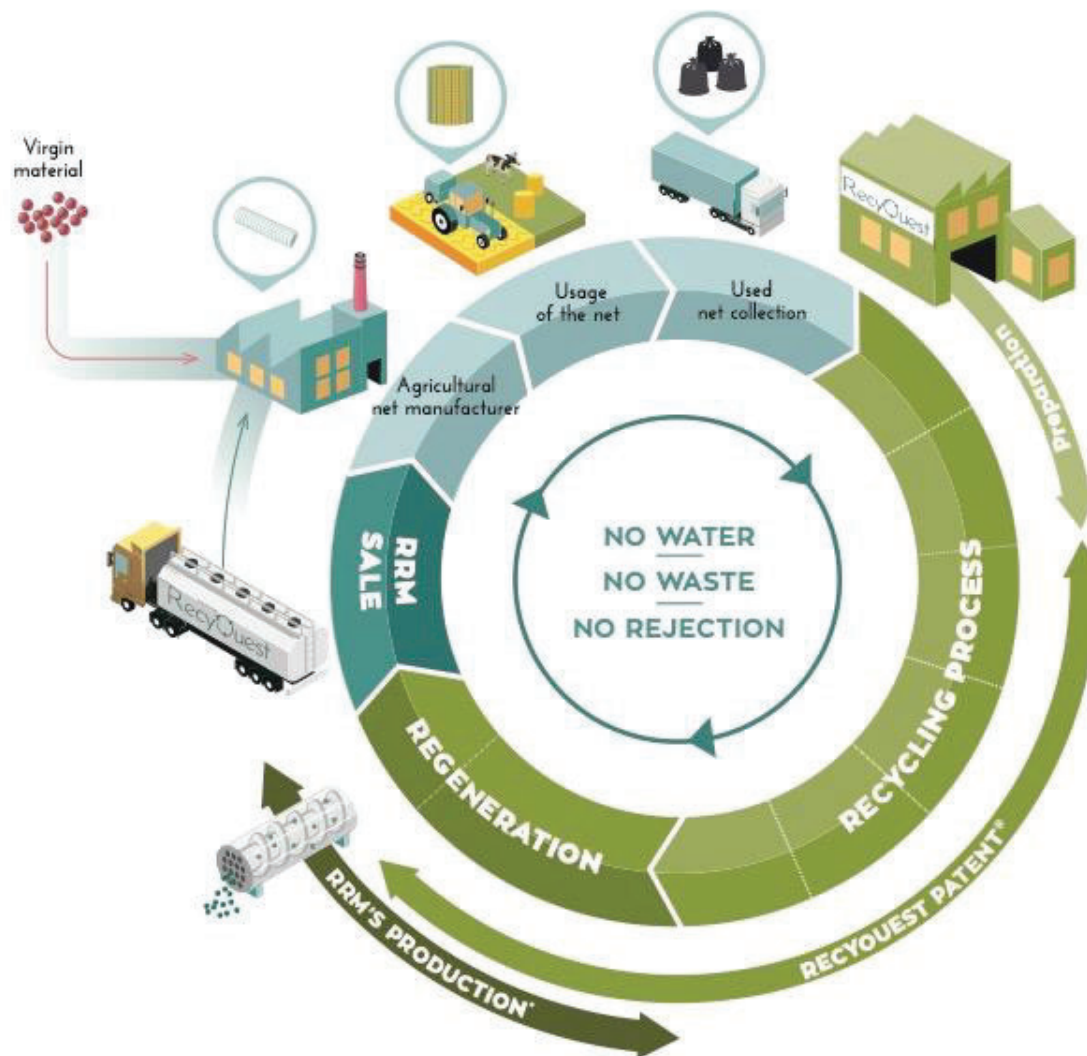
More than 100,000 tons of round bale nets need to be collected per year in Europe





The key steps of
the RecyQuest process

Logigram



*RRM : recycled raw material



Benefits & Innovation



Unique recycling solution in the world



No use of water or chemicals



Lower energy consumption



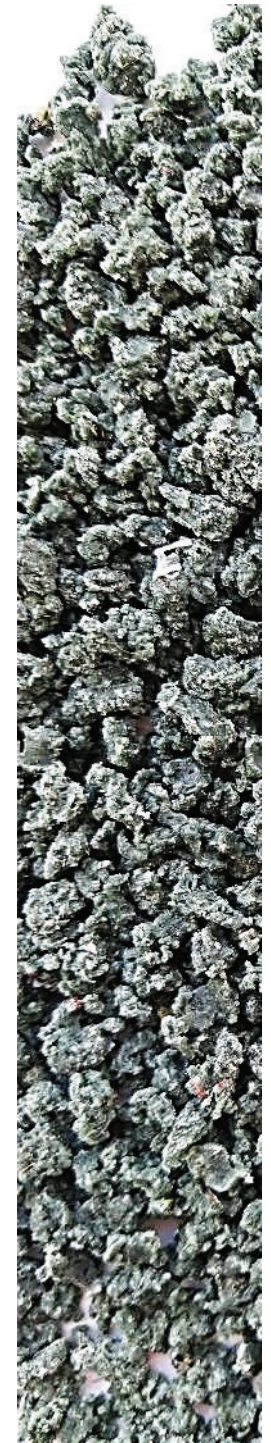
Strong traceability of the used resource



High quality RRM



ETV certification



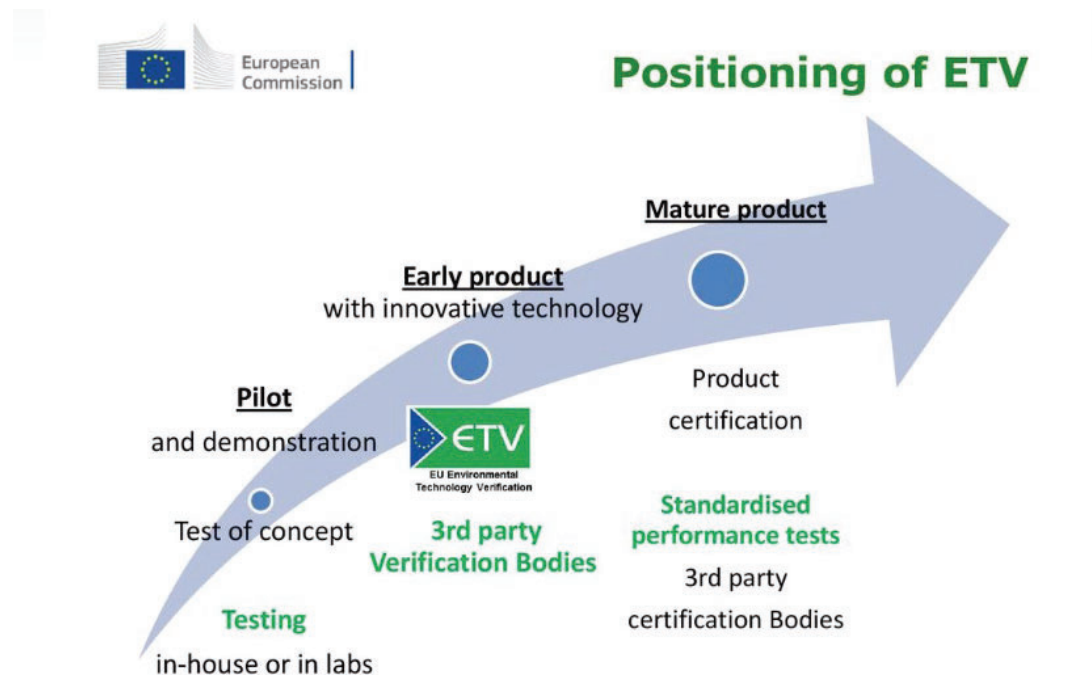
Certification

2019 : ETV Verification (Number 19001)



The process and quality of the material recycled (pehd and pp) have been verified.

The physical and mechanical performances similar to the virgin material in terms of dispersion have been verified.



Other application



Twins PP



Big Bags



Géo textiles



Hail net



mosquito net



Fruit and vegetable
nets





RecyQuest
rHD-PE

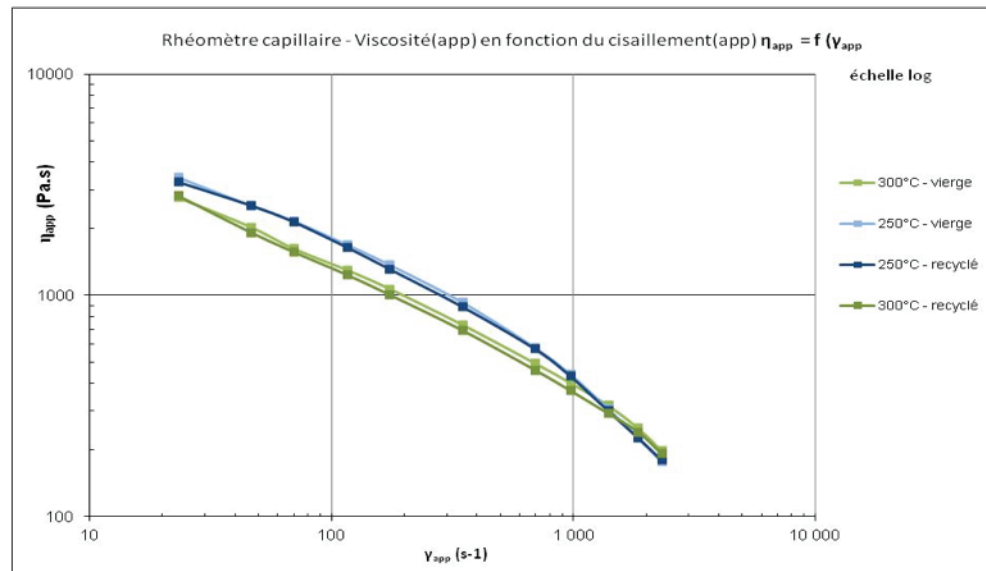


Characteristics

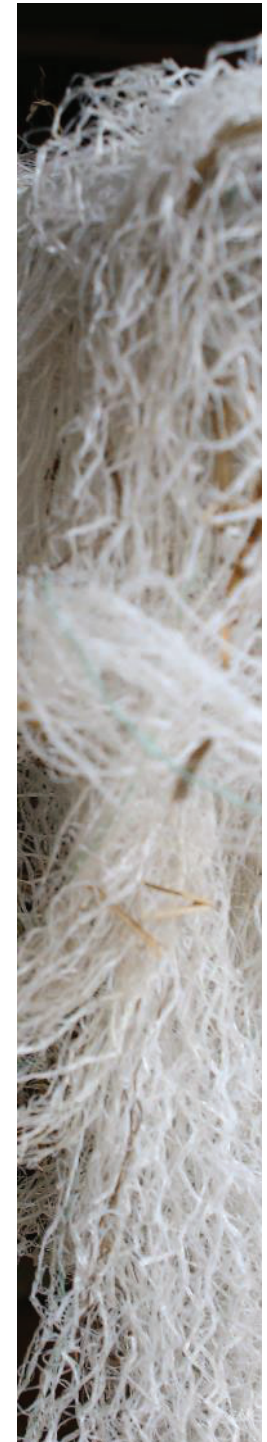
2013-2018 : a complete feasibility study.

The quality of RRM was tested during the study in public and private laboratory specialist in quality control.

2019 : rheology

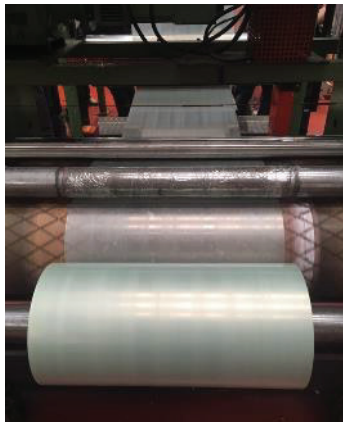


the characteristics are similar to the virgin material

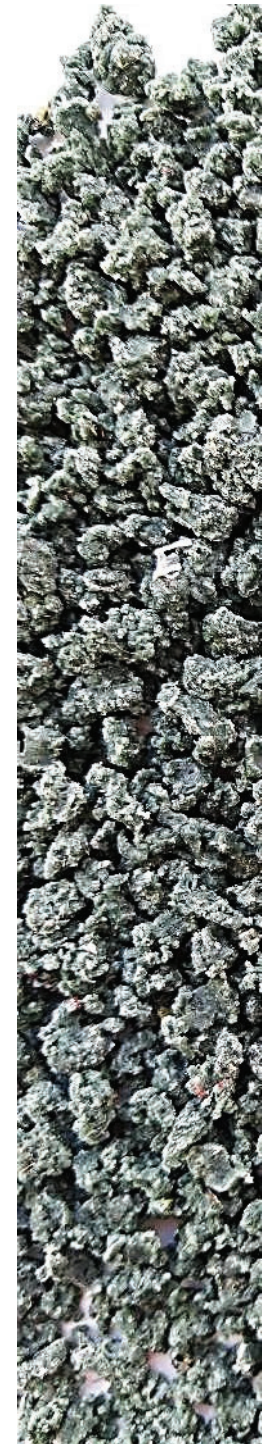


Potential application

Blowing extrusion



Synthetic profiles

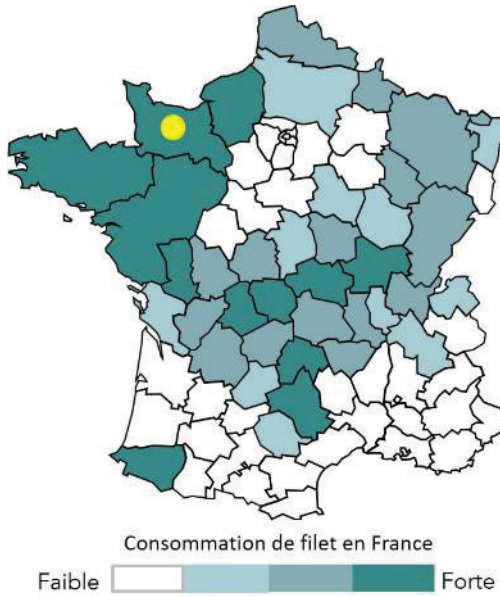
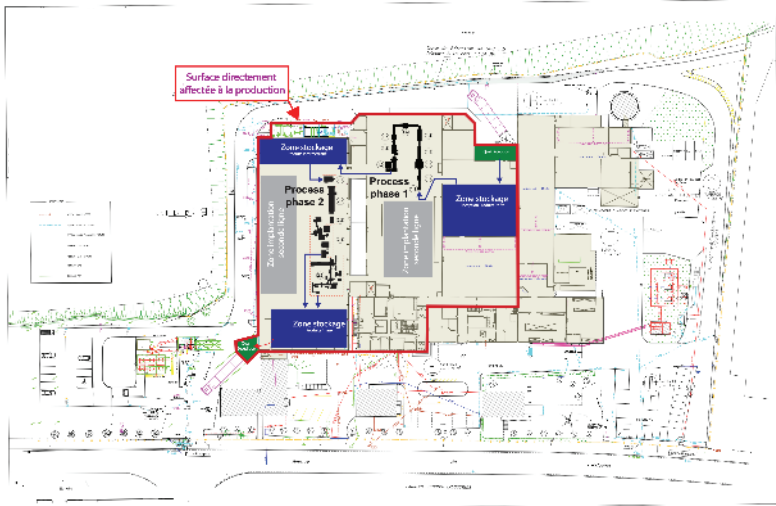




Forecasts

In progress

Development study of the industrial wasteland



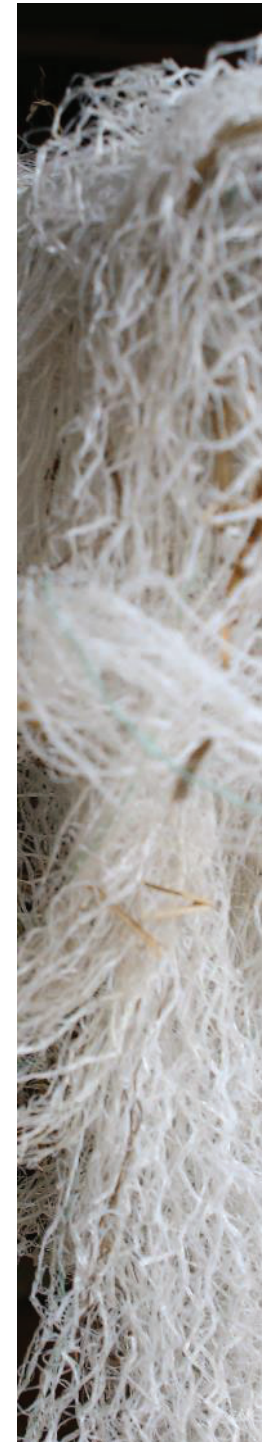
- 8,000m² building on a 2.4 hectare site
- Recycling capacity of 13 500 tons
- 20 jobs created over 3 years



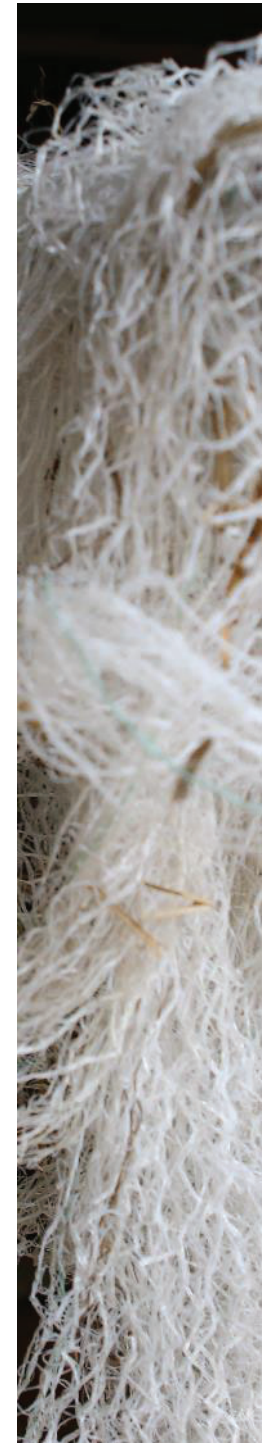
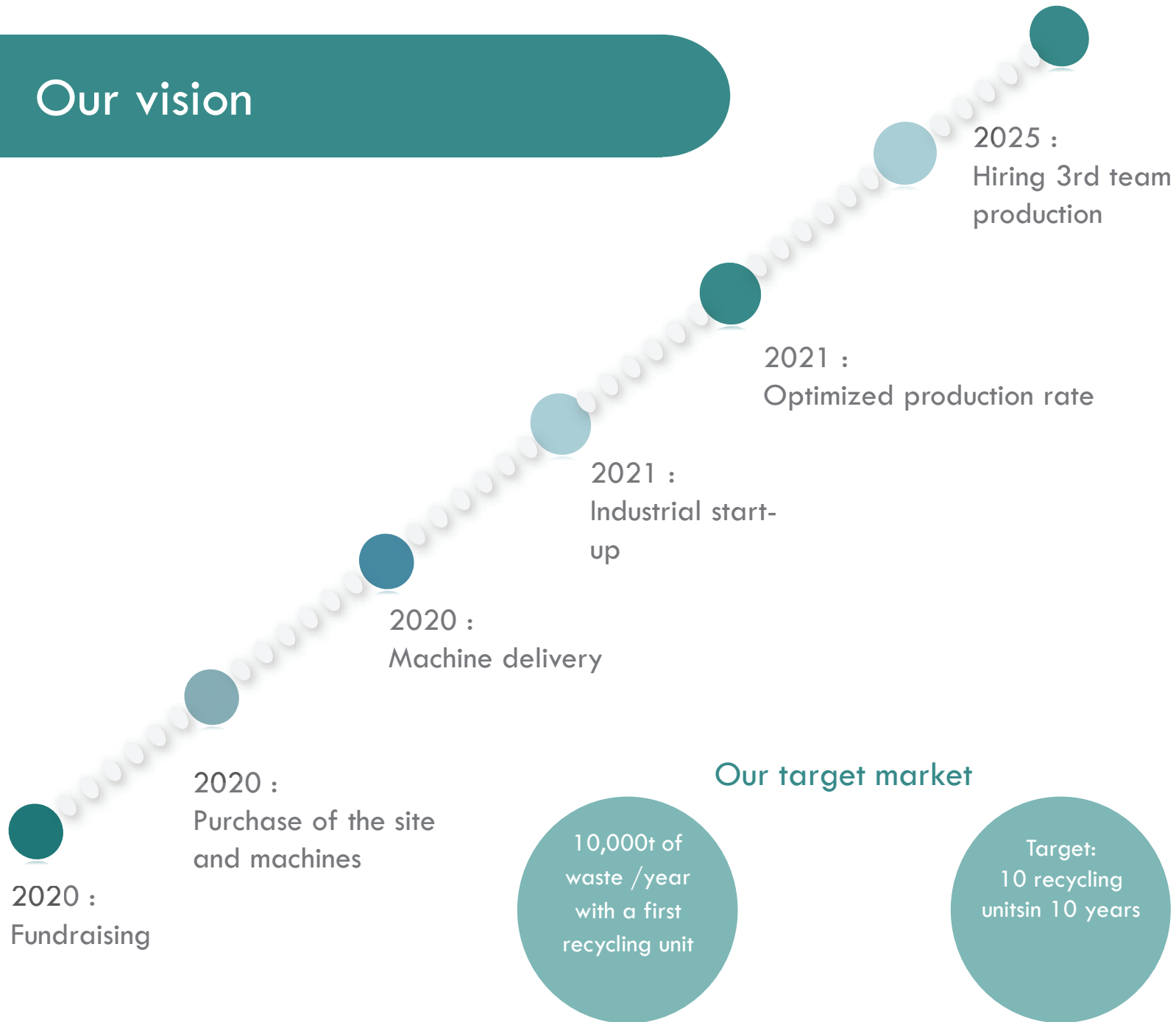
Fundraising

Production needs	K€
Plant & development work	
Production line	
Quality lab	
Working capital needs	
Total	7 500

1500 / 3000k€
in Equity



Our vision



RecyQuest



SAS RecyQuest

26 rue de la Madeleine
50760 Montfarville

contact@recyouest.fr