

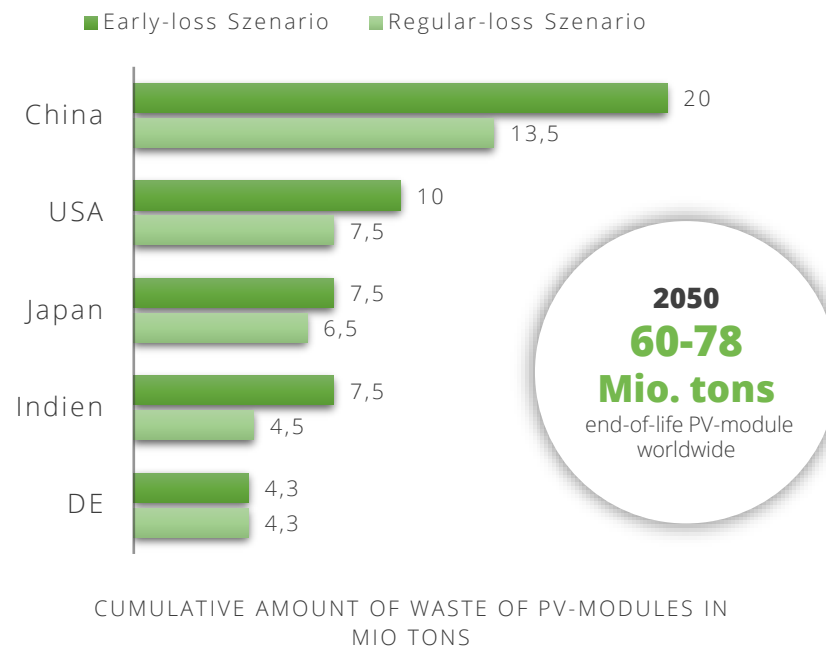
FLAXRES
**Innovative
technologies for
cycle-orientated
PV recycling.**

Introducing FLAXRES

A new era of photovoltaic recycling

As a technology company, FLAXRES has set itself the task to revolutionize the recycling of composite materials. With a process based on high-intensity light pulses, photovoltaic modules can be separated into their main fractions. Thanks to the innovative method, the components obtained are of high quality and can be profitably returned to the material cycle.

Cumulative amount of waste of the TOP 5 countries for end-of-life PV modules in 2050

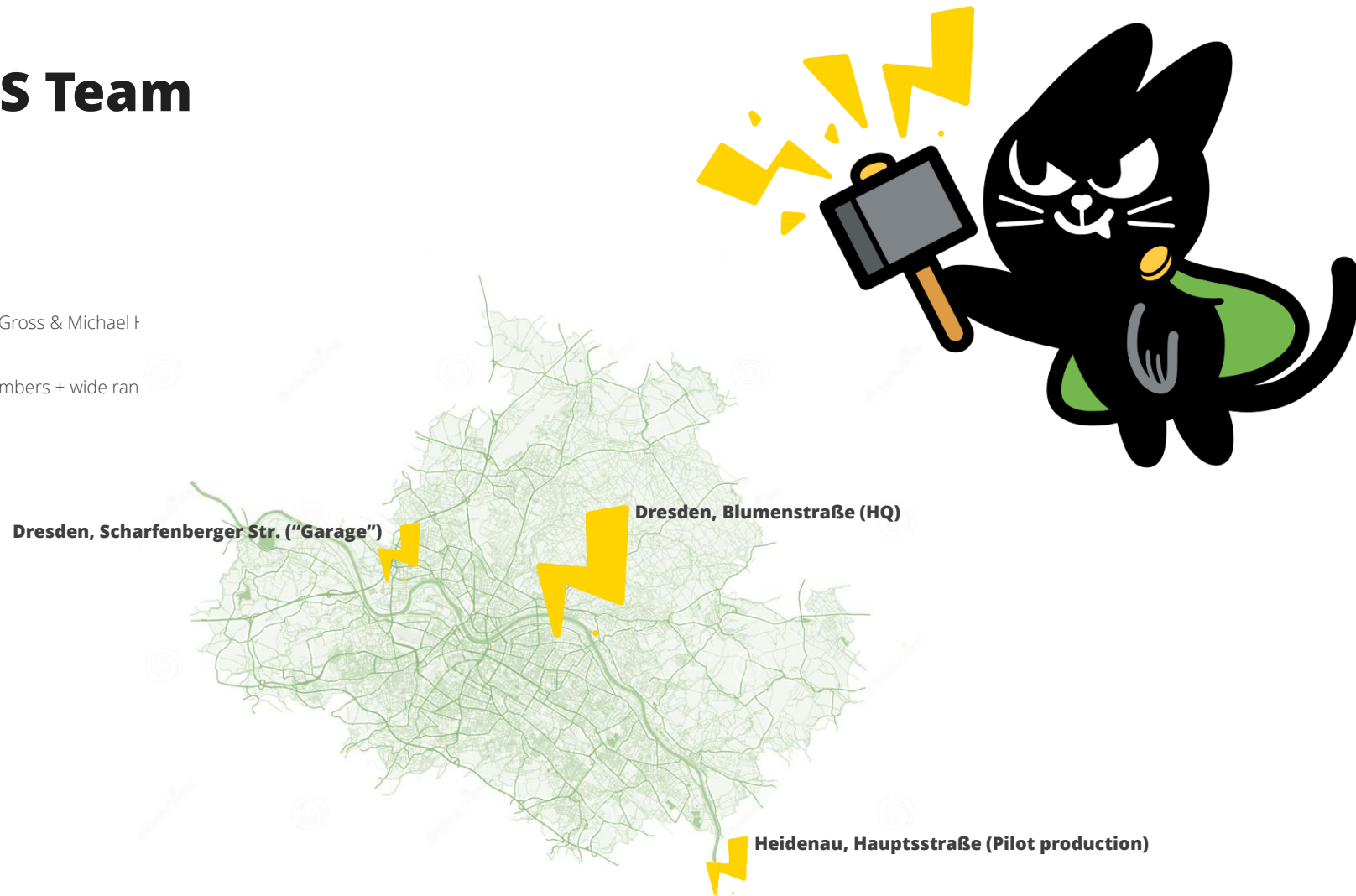


(source: International Renewable Energy Agency, 2016)

FLAXRES Team

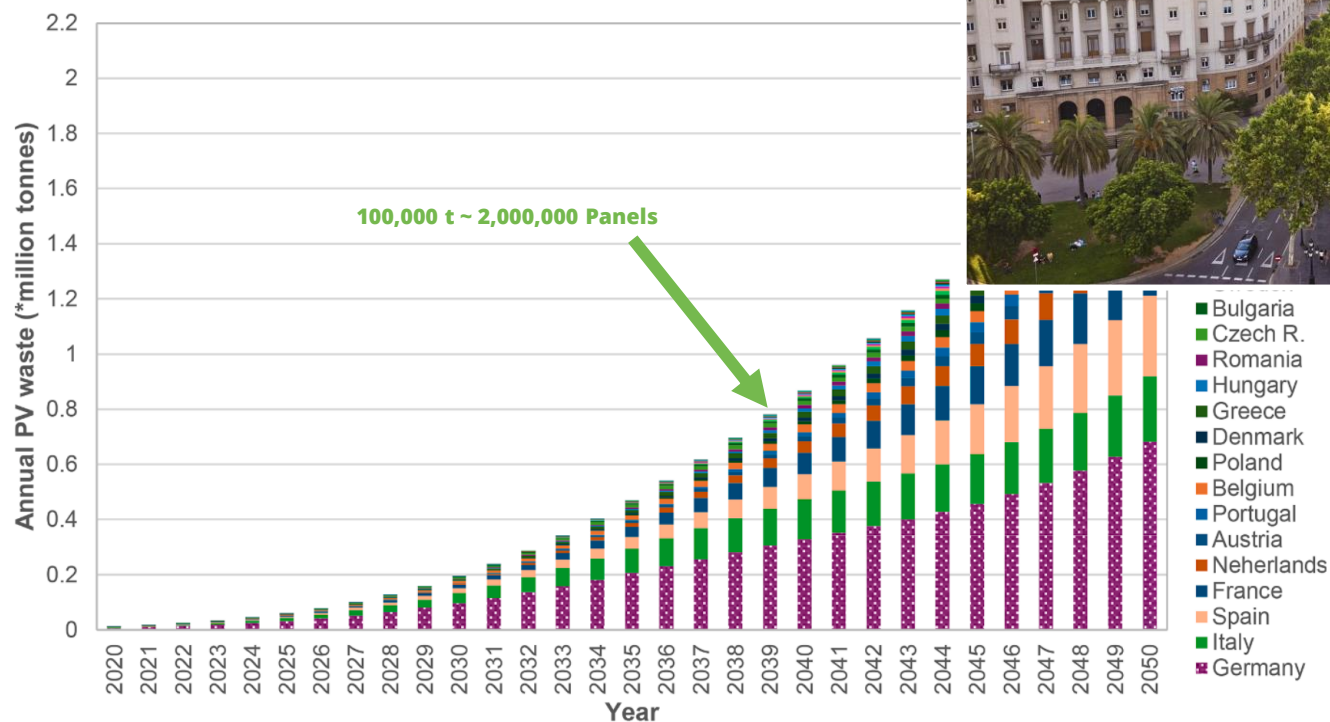
Main Facts

- Founded in 2017
- Founders: Dr. Harald Gross & Michael F.
- Patented processes
- 16 excellent team members + wide range of partners



What about Spain?

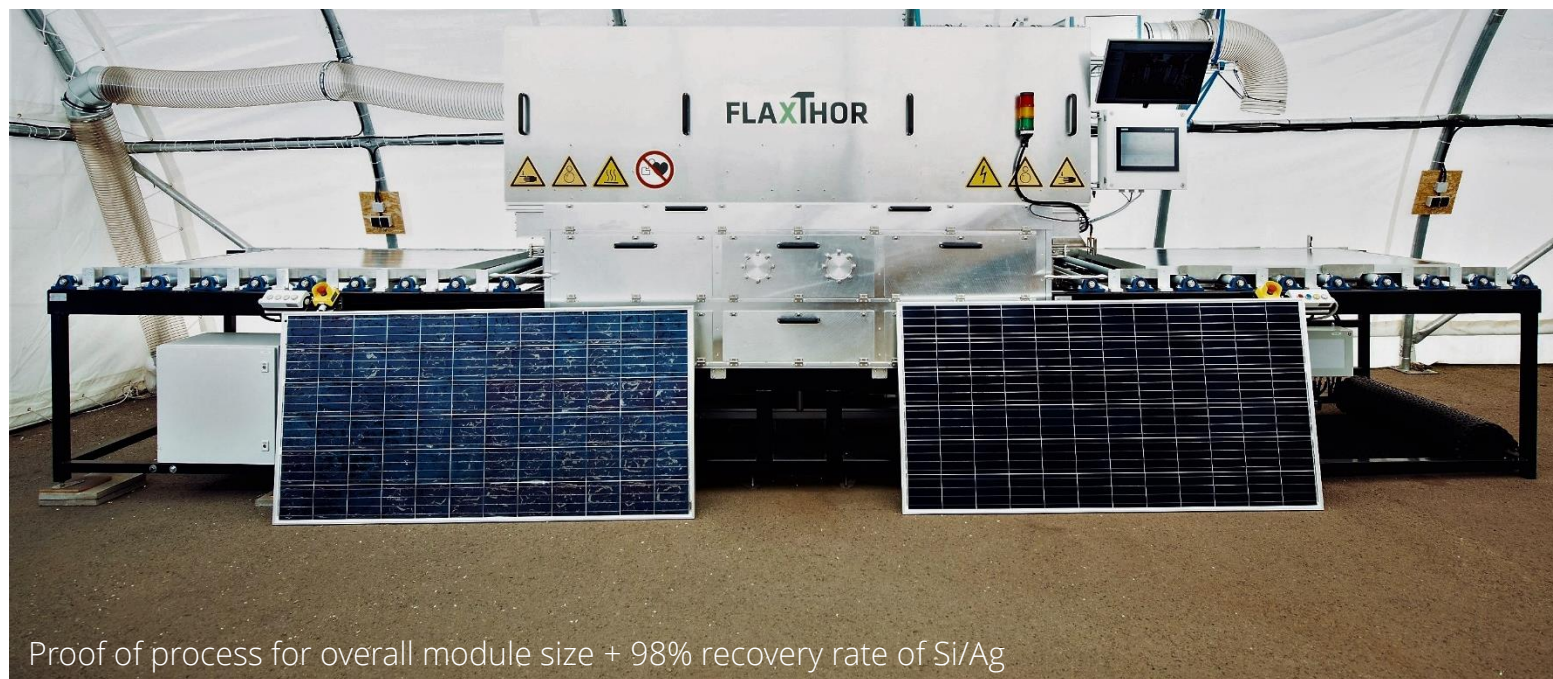
Annual and cumulative PV waste in the EU-27 countries (Regular-loss scenario)



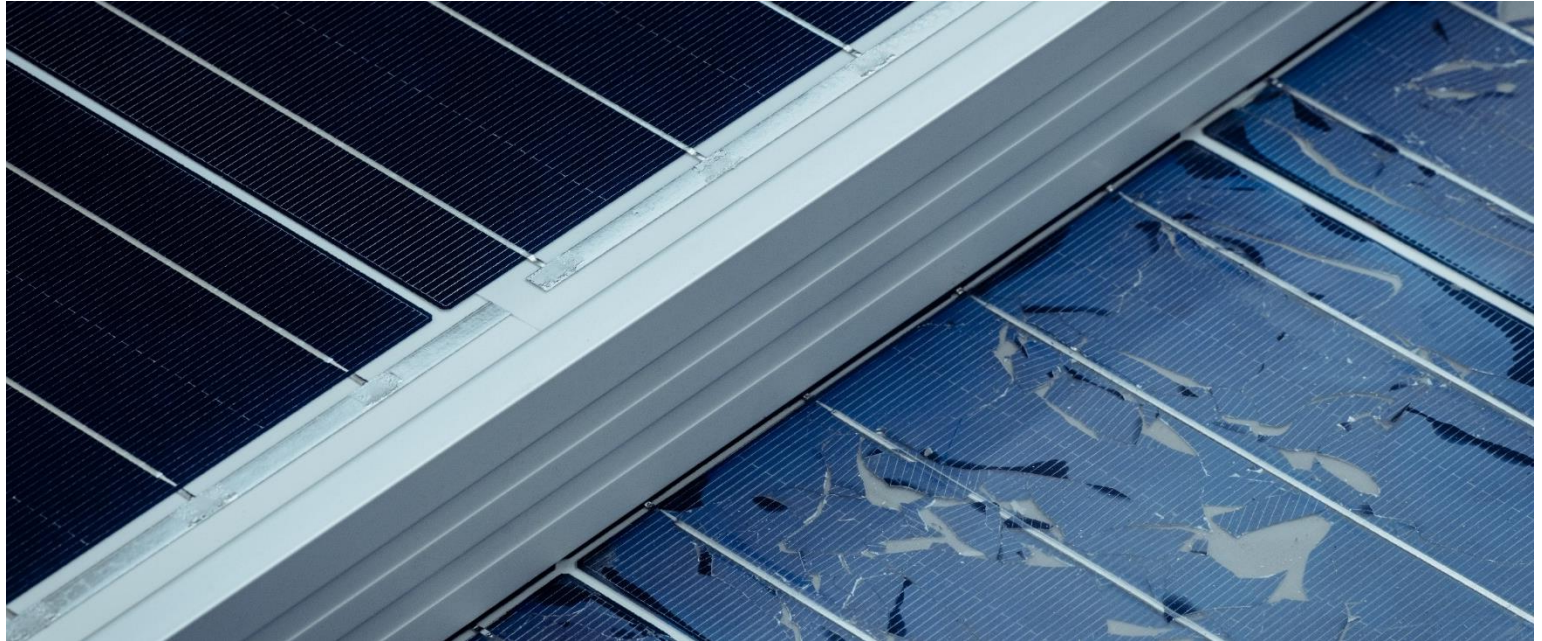
(source: Dynamic assessment of photovoltaic waste streams in the EU-27 countries under the circular economy principles of 'Reduce, Reuse and Recycle', 2025)

FLAXTHOR – Flashlamp Technology

Core process with 10 sec cycle time

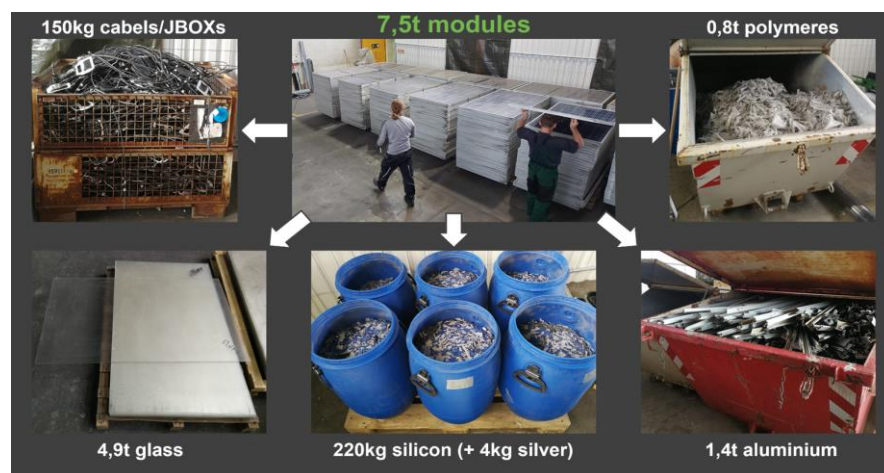


Proof of process for overall module size + 98% recovery rate of Si/Ag



Progress...

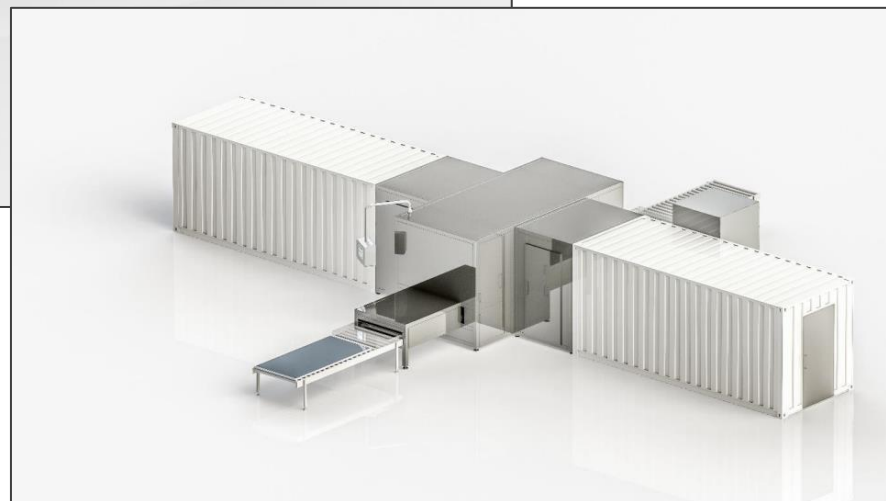
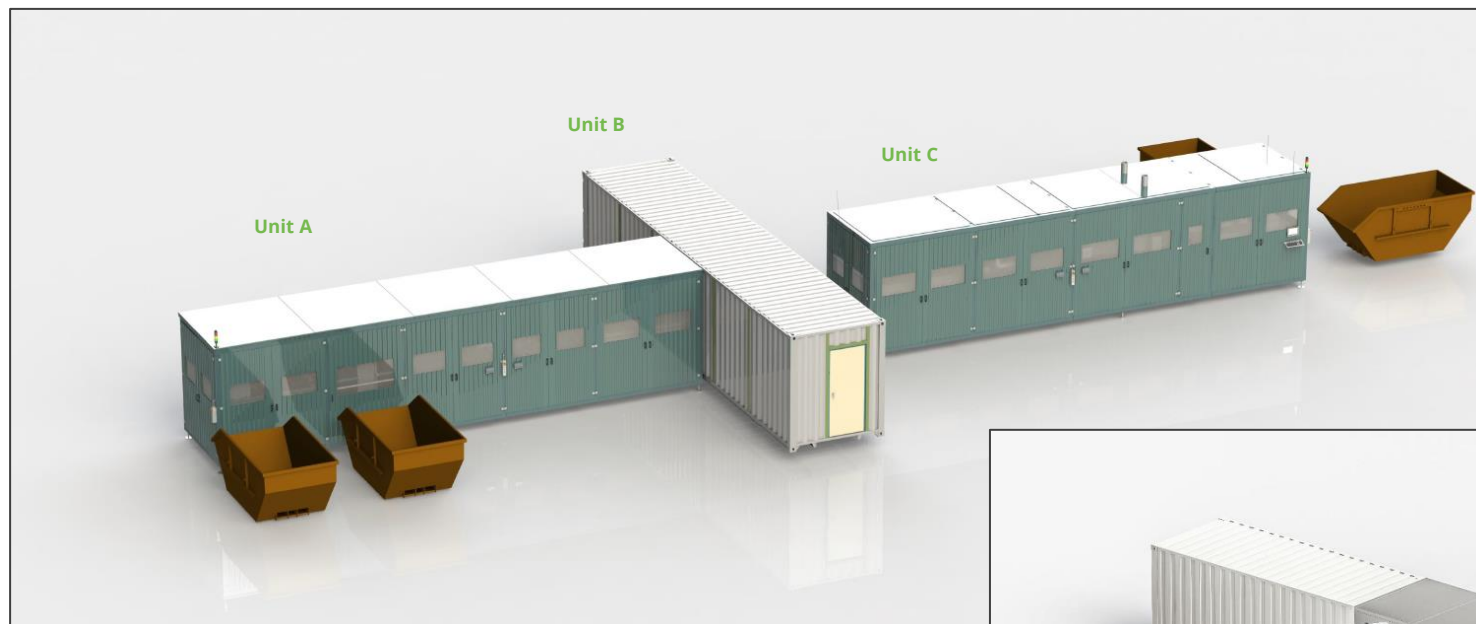
Mass test



Recycling in Heidenau (Germany)



FLAXTHOR 2.0 & 3.0



Economic Benefits

Fast



Time saving for each
module

Without chemicals



Without hazardous
substances

Energy-efficient



Economic process

**customized
business models**



Adopted to local
needs worldwide



FLAXRES
sustainable future
through smart technology

FLAXRES
**You are
welcome to join.**

Thank you | Muchas gracias por su atención.



Nico Bernstein



nico.bernstein@flaxres.com



+49 351 211 681 97



+49 171 4152 305



FLAXRES GmbH
Blumenstrasse 80
01307 Dresden
Germany