



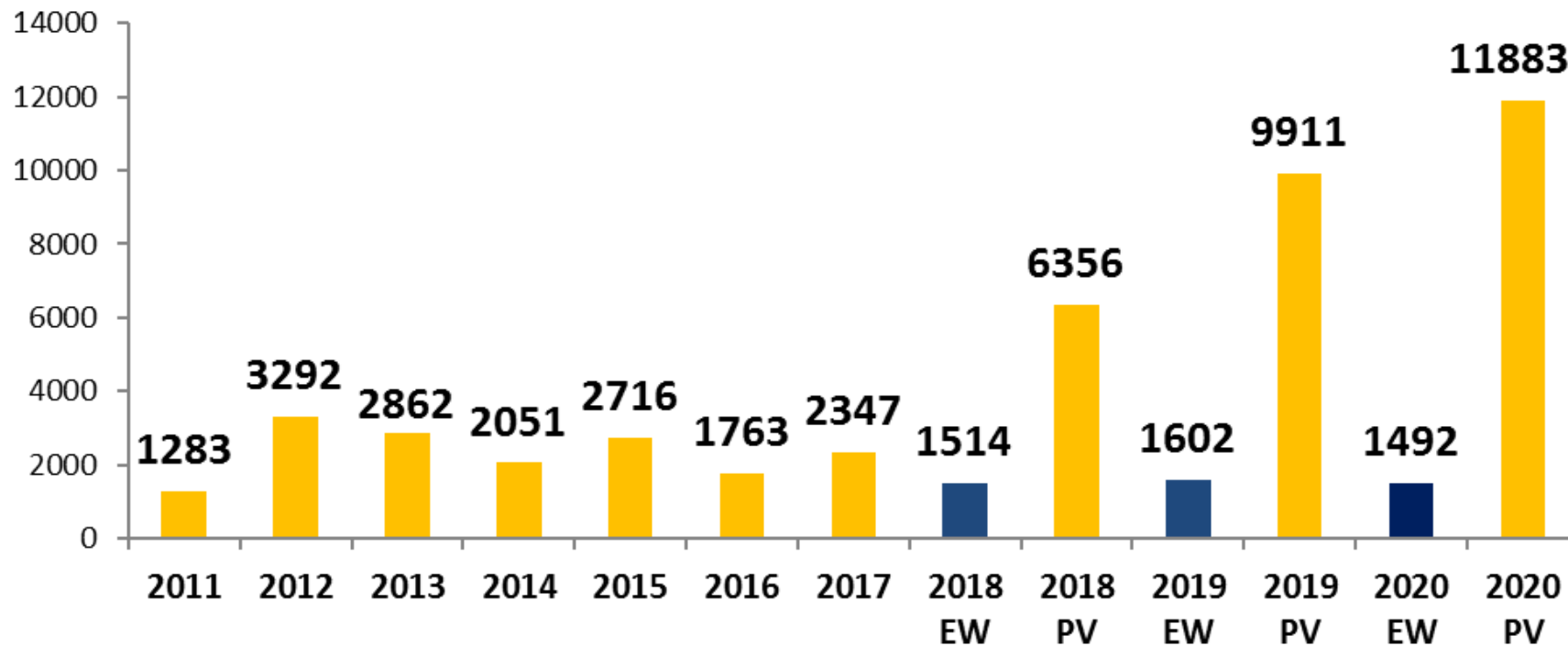
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# Tailor made waste management

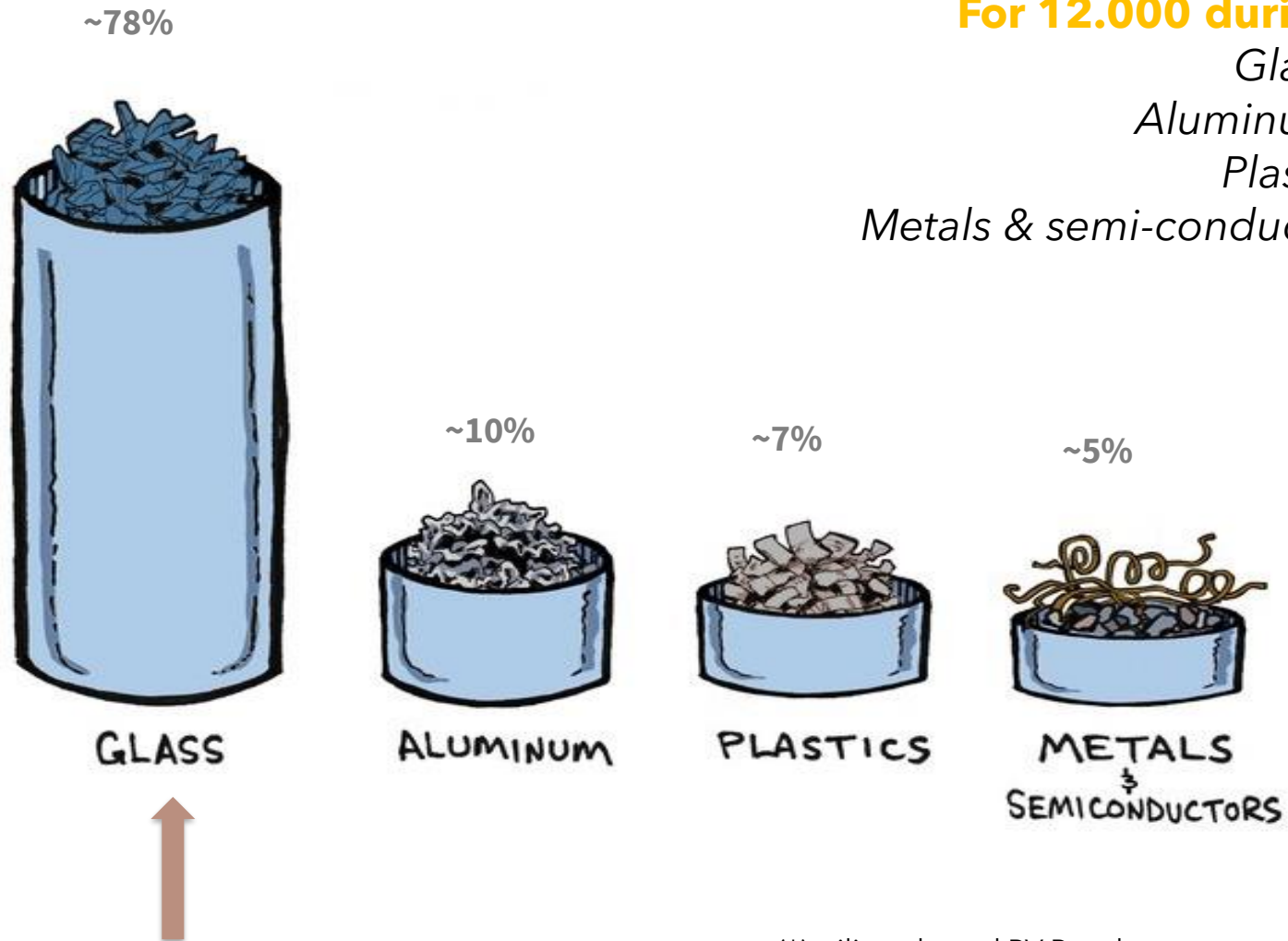
For the photovoltaic industry

# Operations overview - 2019

Approx.  
0,5 GW



# On average, a PV panel(\*) consists of



**For 12.000 during year 2020**

Glass : 9300 tons

Aluminum : 1200 tons

Plastics : 840 tons

Metals & semi-conductors : 600 tons

(\*) silicon based PV Panel





# Treatment of PV panels (silicon based)

## + Materials

### *Recovered for recycling:*

- + Glass
- + Aluminum, copper, silver
- + Plastics (cables, junction box)
- + Silicon flakes and dioxide

### *Recovered for energy recovery:*

- + **Backsheet (EVA? Tedlar, etc)**
- + Silicon

### *Recovered for landfilling (if applicable):*

- + Residues from glass recovery
- + **Residues from EVA foils**

## + USE

### *Recovered for recycling:*

- + Glass packaging or insulation
- + Aluminum, copper, silver products
- + Plastic products
- + New products (e.g. shoe soles, ...)

### *Recovered for energy recovery:*

- + Heating for hospitals & houses

### *Recovered for landfilling (if applicable):*

- + Coating of landfill sites for on-site construction projects



# Thank you !

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