

### 200 mm Ge

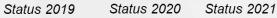
#### Pilot line up and running

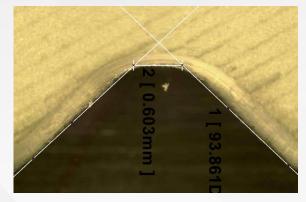








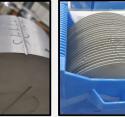




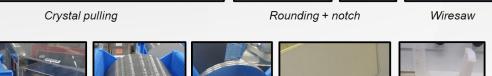






















Laser marking

Edge grinding

Surface grinding

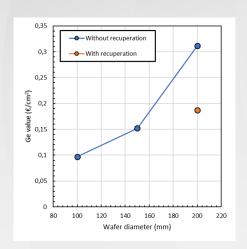
Polishing

Epi-clean



## Ge Recycling

#### Several recycling plants operational @ customers





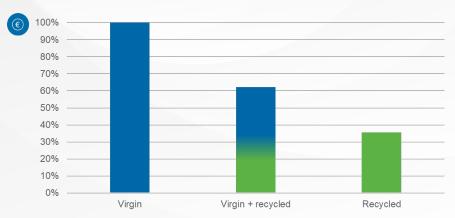






Germanium can be recovered from streams with Ge content of 0.5 % for solids and 0.5 g/l for liquids.





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# Engineered Ge Substrates

## **Project moving to industrialisation phase**

