



Bio Base Europe
Pilot Plant

Pilot and demonstration facility for scale-up of your innovation

Open access

from
Lab



to
Fab




FSSC 22000


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Biomass pretreatment
Biocatalysis



Fermentation

- 25 glass reactors up to 10 L
- 27 Stainless steel bioreactors:
8 x 30 L; 10 x 150 L;
5 x 1.5 m³; 3 x 15 m³;
1 x 75 m³
- Bacteria, yeast, fungi, microalgae, methanol feed, high oxygen transfer rate: at all scales!
- (Fed-)Batch & continuous fermentation



Gas fermentation

- 4 x 1L;
1 x 10 L;
1 x 150 L
- Mobile pilot unit for gas fermentation



Green chemistry

- ATEX reactors
- Up to 5 m³
- Solvent extraction

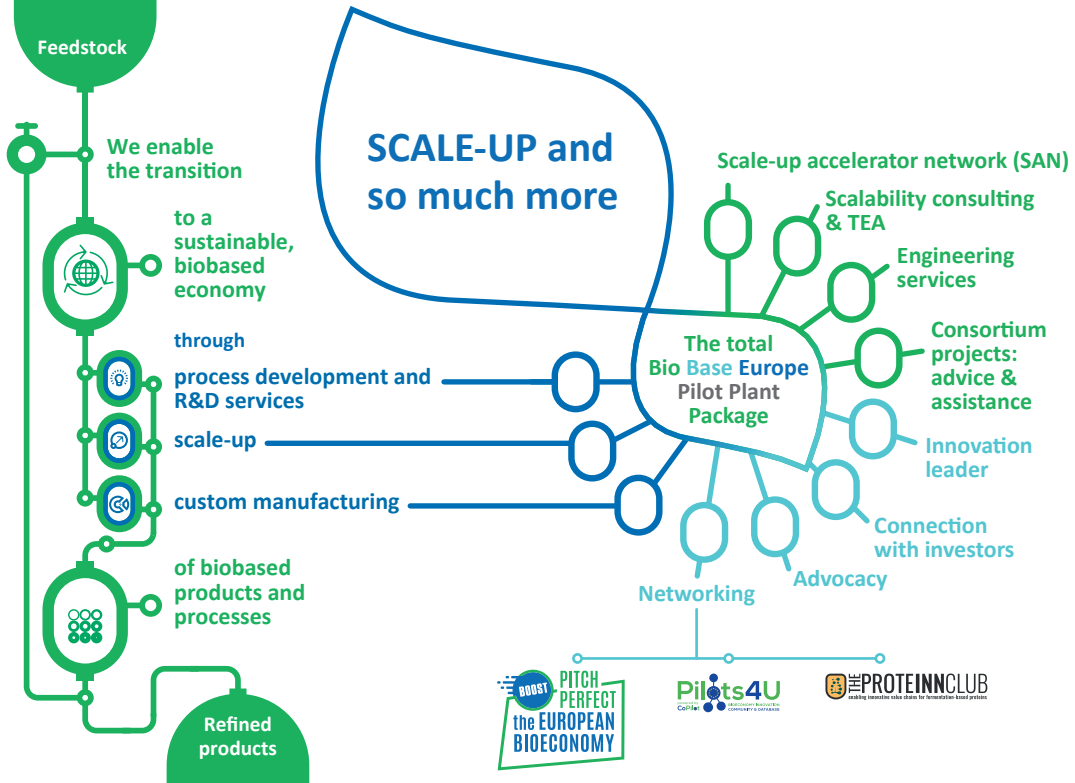


Downstream purification

- Cell lysis
- Disc stack centrifuges
- Decanters
- Cross-flow filtration (MF, UF, NF)
- Ion exchange, chromatography
- Crystallisation, precipitation
- Solvent extraction (ATEX/ex-proof)
- Drying
- ...



Analytical lab: HPLC, UPLC, GC, Off-gas MS, Spectrophotometry, Assays ...



 **State-of-the-art infrastructure**

 **Expertise**

translates

Laboratory scale processes

into

Industrially viable processes

 **Ready to use**

 **Confidential**

 **Fee for service / public projects**

 **Multipurpose**

 **Process development**

 **Proof-of-Concept**

 **Scale-up and demonstration**

 **Custom manufacturing**



save time & money



shorten the time to market



lower the financial risk