



Open Innovation Test Beds on Hydrogen Technologies

*Europe's Green and Digital Transition:
The Role of Technology Infrastructures in
the new Pact for research and innovation*

23 June 2022

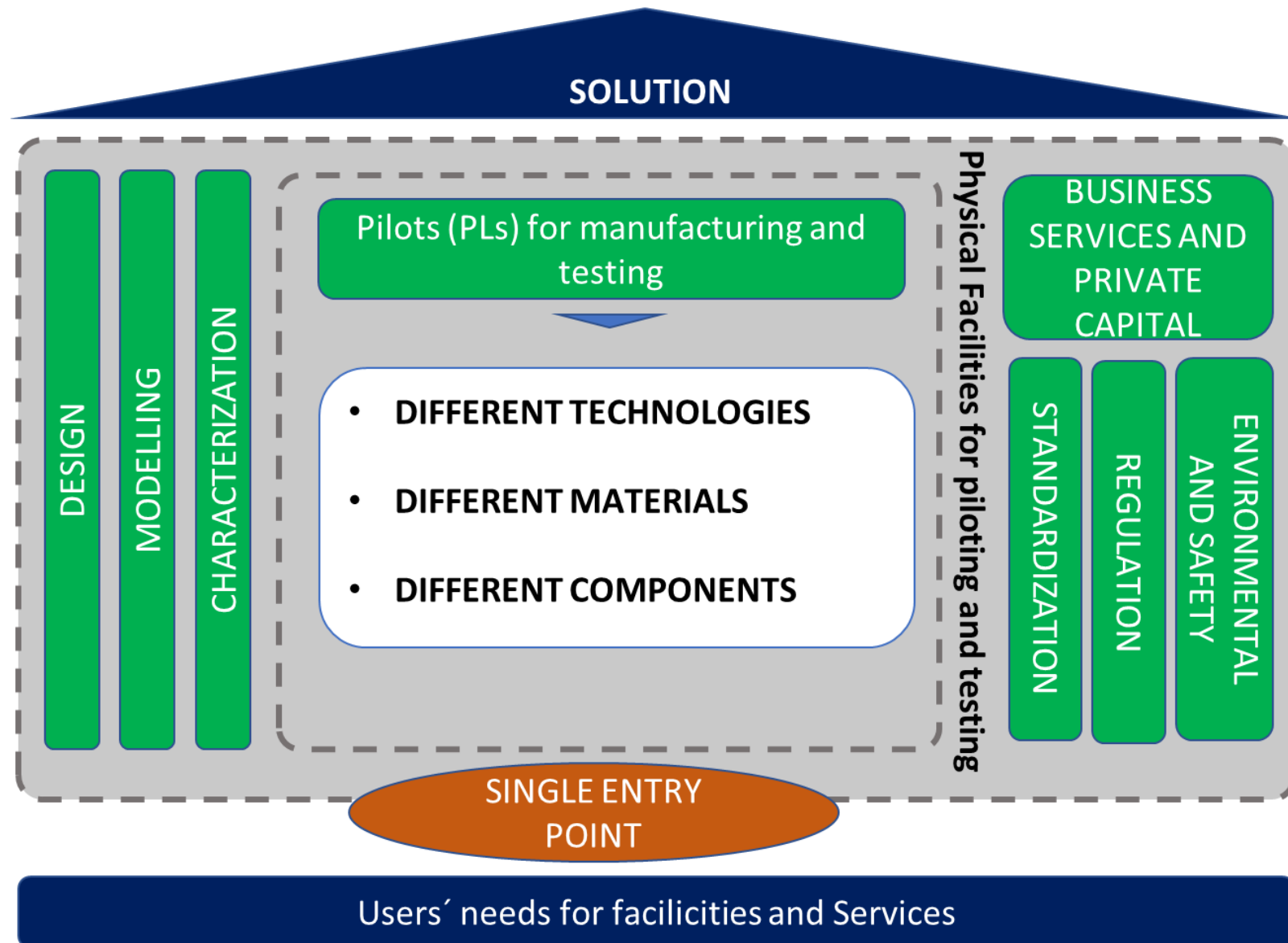




- **Platform providing common access to physical facilities, capabilities and services** required for the development, testing and upscaling of nanotechnology and advanced materials
- Established in **at least 3 Member States or Associated Countries.**
- To bring materials and technologies **from TRL 4 (validation at lab-scale) to prototypes in industrial environments (TRL 7).**
- Platform **for assisting Companies (and specially to SMEs)** where they could test and demonstrate innovative technologies, that otherwise require significant investment.
- **Several EU projects on the creation of OITBs are running** in different topics related to nanomaterials, advanced materials,...



Open Innovation Test Bed (OITB) – General concept





- New initiative composed by **28 European Partners** from 11 EU countries, and coordinated by TECNALIA
- In line with HySpeedInnovation, ERA for Clean Hydrogen, Hydrogen Europe Research position paper...
- Consortium:
 - RTOs, Universities, SMEs and Large companies.
 - **75% of the consortium are Industrial partners:** key material manufacturers, electrolyzer manufacturers, business, certification, etc.
 - RTO and Universities: pilot lines for manufacturing and testing



- Democases (with external users)

H:

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