

Bioindustry 4.0 wants to support a **smart industry** approach to biomanufacturing, which can accelerate the R&D phase and reduce its cost, as well as **de-risk bioprocesses** before scale-up to commercial scale.

The project seeks to support the adoption of advanced digital tools by the European biotech sector by developing:

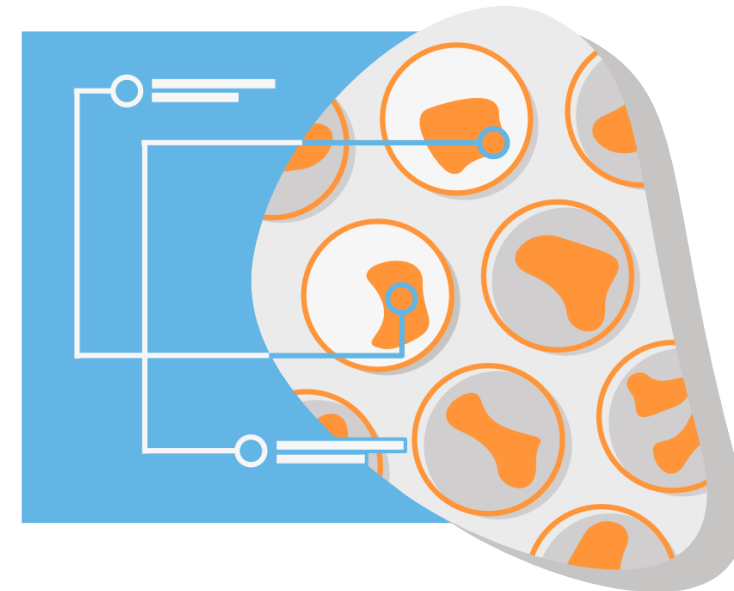
Innovative measurement devices for online monitoring



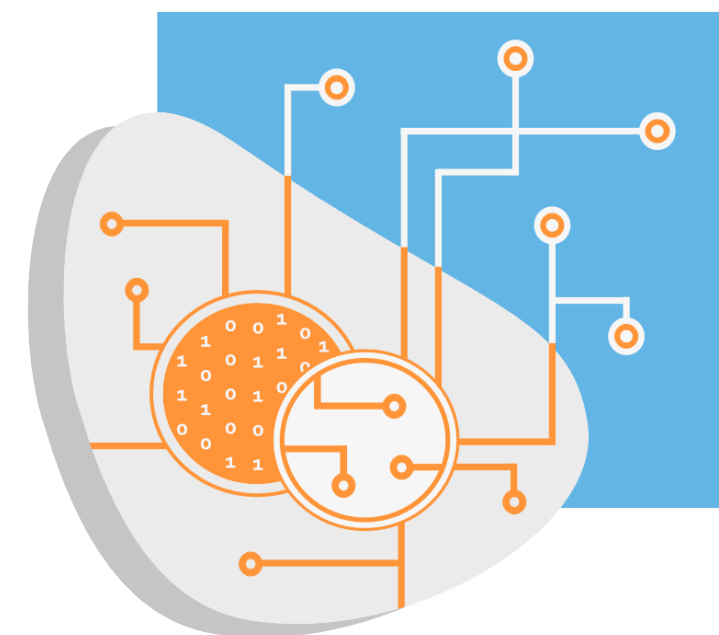
Data fabric



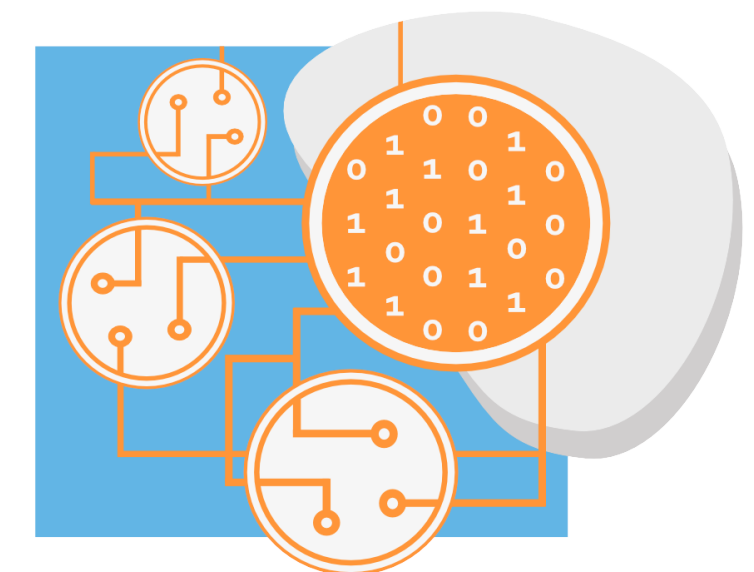
Strain discovery and support systems



Digital shadows for bioprocess design



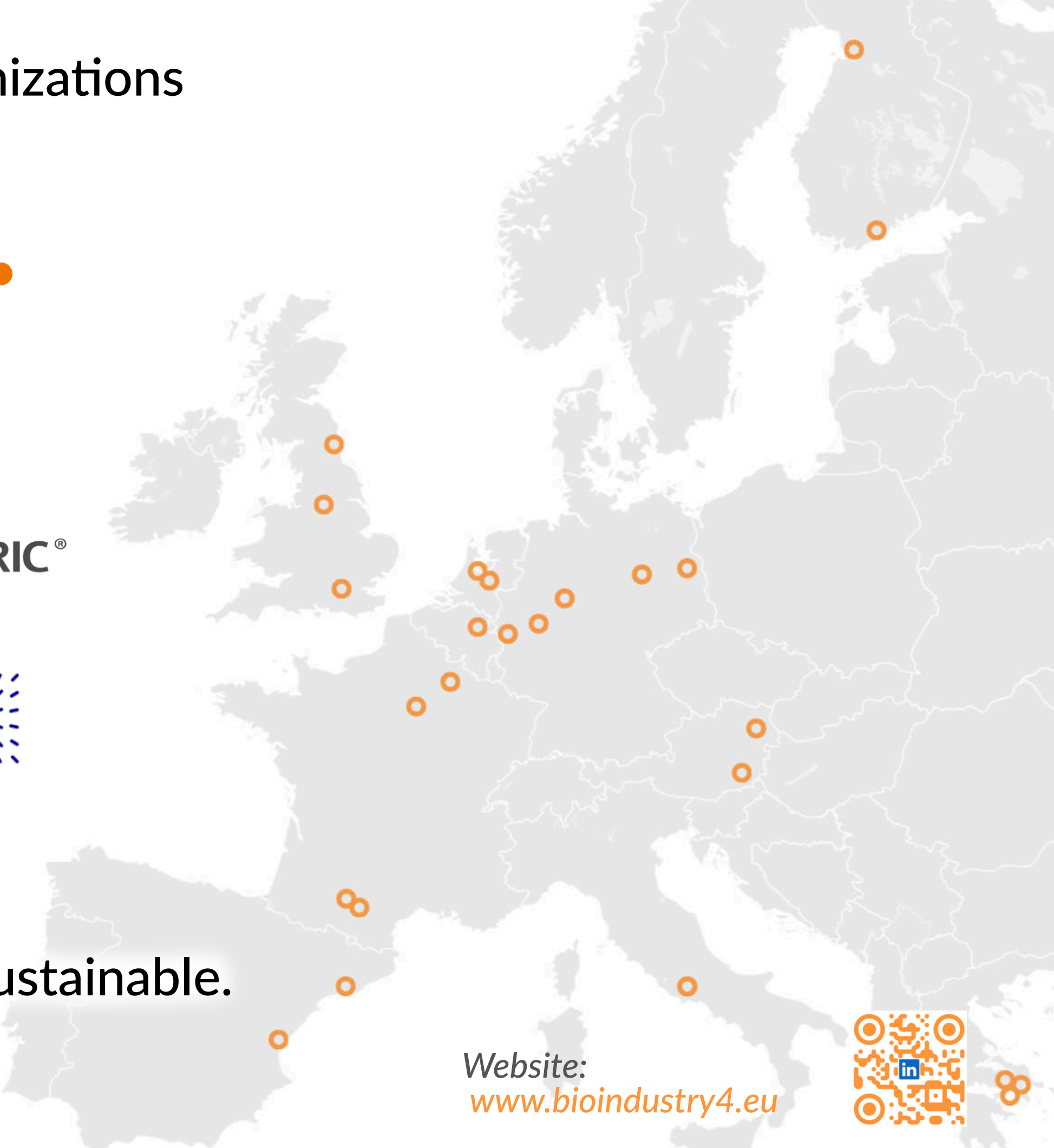
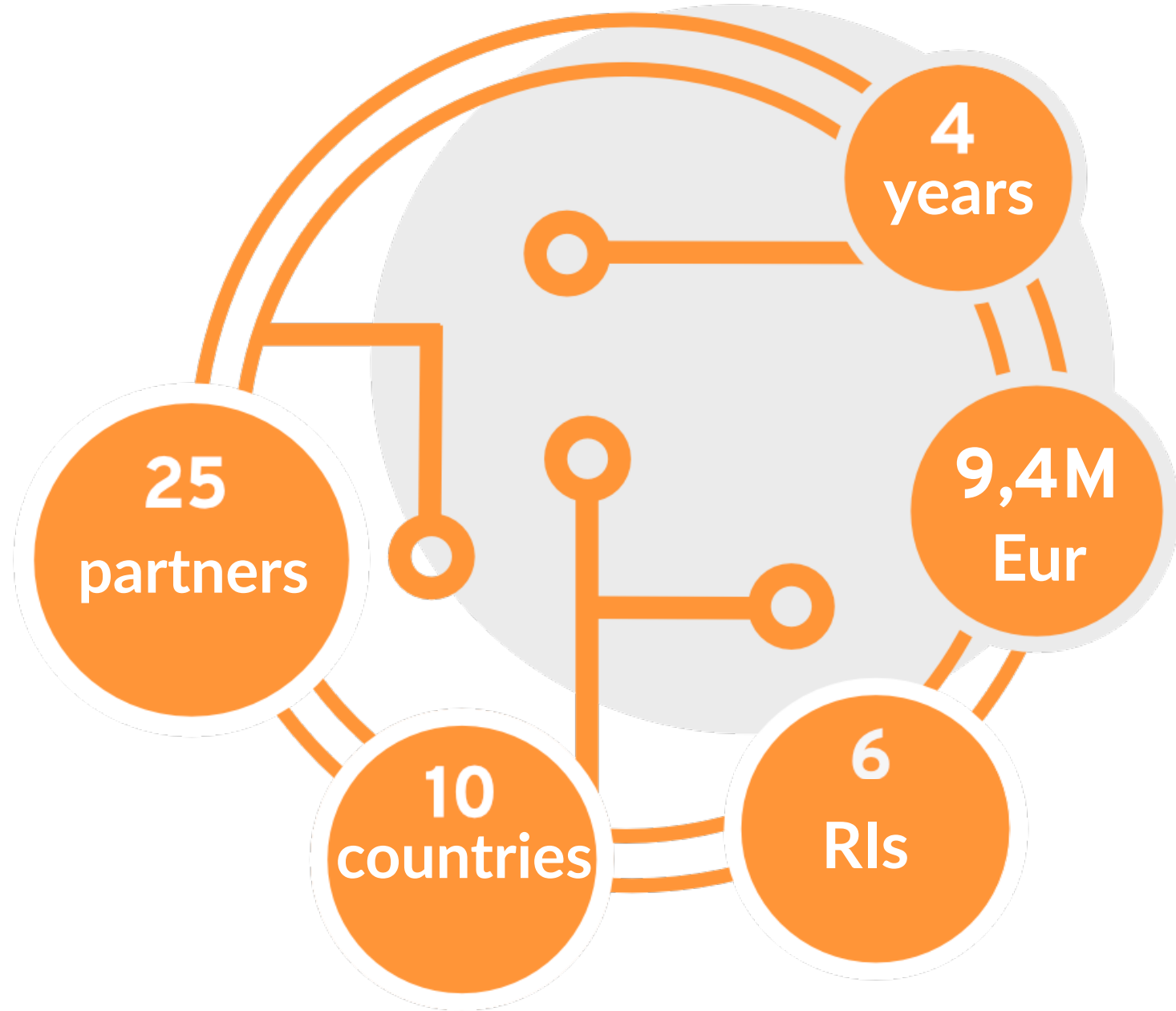
Digital twins for bioprocess control





# Smart Digital Solutions for a Sustainable European Biotech Industry

Bioindustry 4.0 brings together **academia** and **industry**: 25 partner organizations and 6 major European research infrastructures...



...to make **bioprocess design and control** faster, cheaper, and more sustainable.



Website: [www.bioindustry4.eu](http://www.bioindustry4.eu)

