ACCELERATOR AND MAGNET INFRASTRUCTURE FOR COOPERATION AND INNOVATION

The AMICI H2020 project aims at strengthening and organizing the collaboration between the **European industry** and the **European Technology Infrastructure (TI)*** that is dedicated to the development of accelerator components and SC magnets in order to allow Europe to stay at the forefront of the construction of future major scientific accelerator-based Research Infrastructures.

* The European Technology Infrastructure is formed by the Technological Facilities located at European research laboratories that are dedicated to the development of accelerator components and SC magnets.

PARTICIPATING EUROPEAN RESEARCH INSTITUTES























Identify the strategic elements necessary to successfully implement a sustainable cluster of Technological Facilities in partnership with industry.

Benefits for European Industry: get a clear view of the strategic roadmaps, know in which technologies efforts should be put, be in a strong position to compete on the global market.



Identify potential markets beyond Research Infrastructures, analyse barriers to effective engagement between Industry and Technological Facilities.

Benefits for European Industry: overcome technology development barriers, further develop commercial opportunities within the research institutes and wider societal markets.



Define the conditions of the coordination of the Technological Facilities and the participation of industry.

Benefits for European Industry: profit from the information exchange, definition of standardized procedures and access to databases, which will allow cost reduction in the long term.



Share with industry the needs, knowledge, techniques and quality standards of the research institutes, develop prototypes with industry.

Benefits for European Industry: get a simplified and supported access to the most adequate platforms, be at the forefront of the international competition, in terms of quality and costs.

EXAMPLES OF TECHNICAL PLATFORMS AVAILABLE TO EUROPEAN INDUSTRY



ISO4 clean room (CEA)

Vacuum furnace (INFN)

SM18 magnet test facility (CERN)

Power coupler infrastructure (CNRS)

Beam Position Monitor test stand (PSI)



Horizontal cryostat for SRF (UU)

Module assembly platform (DESY)

Vacuum science laboratory (STFC)

Test beam facility (IFJ PAN)

Accelerator technology platform (KIT)

See the full descriptions of the Technical Platforms, information about the ongoing calls for tenders and further details on the project, on the AMICI website:

http://eu-amici.eu