



EH2B: A Gateway to European Hydrogen Economy

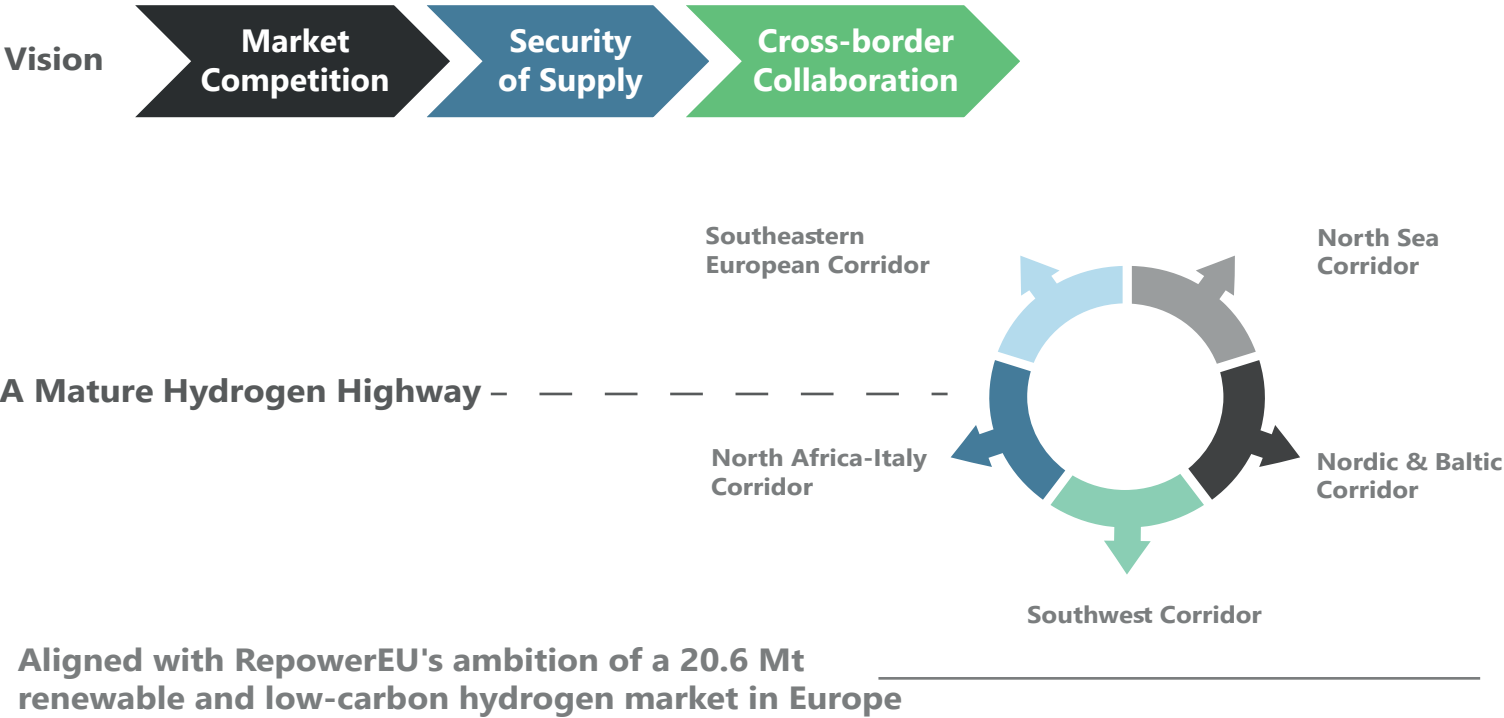
A promising solution for meeting renewable energy targets and accelerating hydrogen adoption for greater energy security

Introduction

Founded in July 2020, the European Hydrogen Backbone (EH2B) Initiative is a group of energy infrastructure operators in Europe that have significantly contributed to the development of a hydrogen market in Europe. With the vision of a Pan-European hydrogen transport infrastructure, the EHB initiative has published several flagship maps. These maps demonstrate the technical feasibility and economic affordability of this initiative. The need for hydrogen pipeline transportation and the role of hydrogen in enabling climate neutrality is widely acknowledged. The EHB Initiative covers 25 EU Member states along with the United Kingdom, Norway, and Switzerland.

Objectives

- To simplify and shorten the planning and permitting procedures for renewable energy and hydrogen projects.
- To establish an integrated energy system planning of natural gas, hydrogen and electricity infrastructure at the EU and member states level.
- To facilitate the rapid development of dedicated hydrogen infrastructure by encouraging the repurposing of existing natural gas infrastructure.
- Create intra and extra-European energy and hydrogen partnerships.
- Unlock financing to fast-track hydrogen infrastructure deployment by leveraging different funding mechanisms, such as the Connecting Europe Facility (CEF), Important Projects of Common European Interest (IPCEI) and Horizon Europe funds.



31 Energy Infrastructure Companies	28 Countries	€80-143 billion Investment by 2040
5 Pan-European H2 Supply & Import Corridors	28,000 km pipeline by 2030	53,000 km pipeline by 2040
€0.11-0.2 per kg H2 per 1000 km by on-shore transportation	€0.17-0.32 per kg H2 per 1000 km by subsea pipeline transportation	

