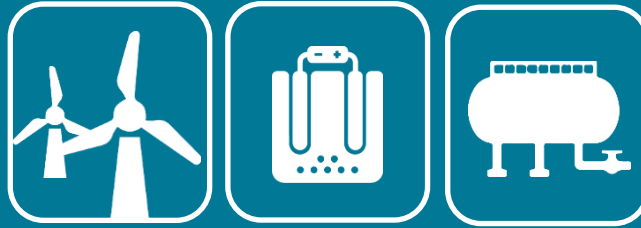


Market shaping – What is it about?

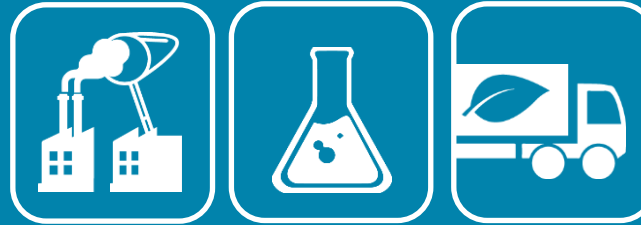
- Improvement of current market or creation of new market
- The goal is to create a favorable business environment
- Market shaping requires deep understanding of the players and the mechanisms in the market and how to cooperate and influence them
 - Operational environment
 - Key stakeholders' and value chains' needs and expectations
 - Potential resistance
- Market shaping approach helps companies and ecosystem actors to produce **a common roadmap and an implementation plan for the necessary activities**, possible and feasible to influence and develop in the markets and operational environment

SYSTEMIC
CHALLENGE:
THE ENERGY
TRANSITION

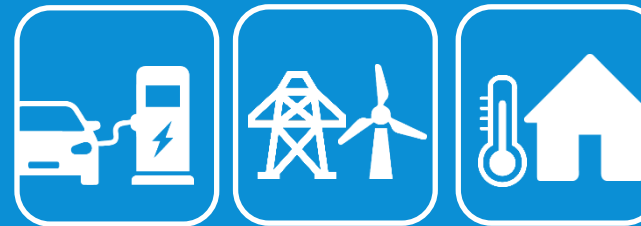
H₂ PRODUCTION,
INFRASTRUCTURE
AND UTILISATION



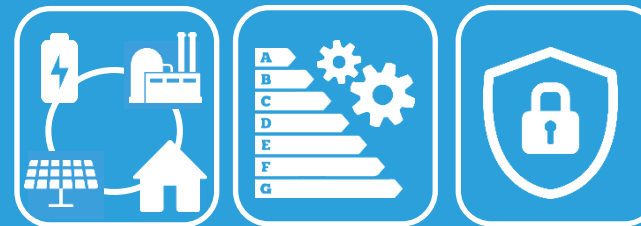
DEPLOYMENT
OF P2X & CCU
SOLUTIONS

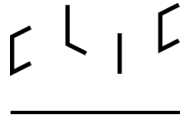


SECTOR INTEGRATION
TECHNOLOGIES AND
VALUE CHAINS

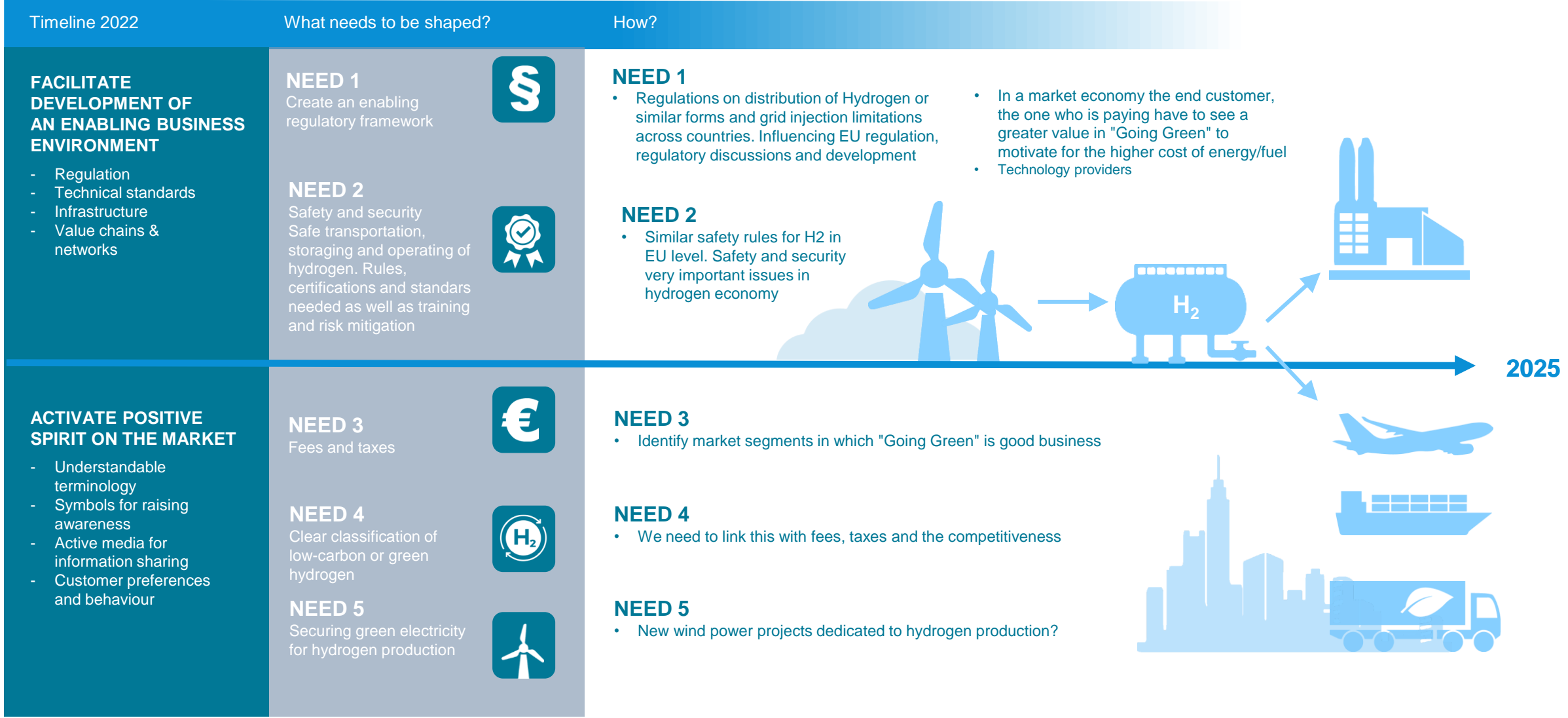


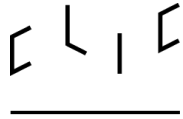
ENHANCED SYSTEM
LEVEL EFFICIENCY &
SECURITY



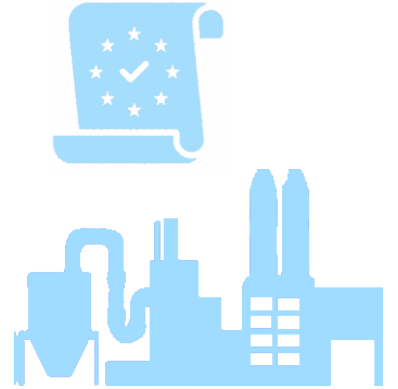
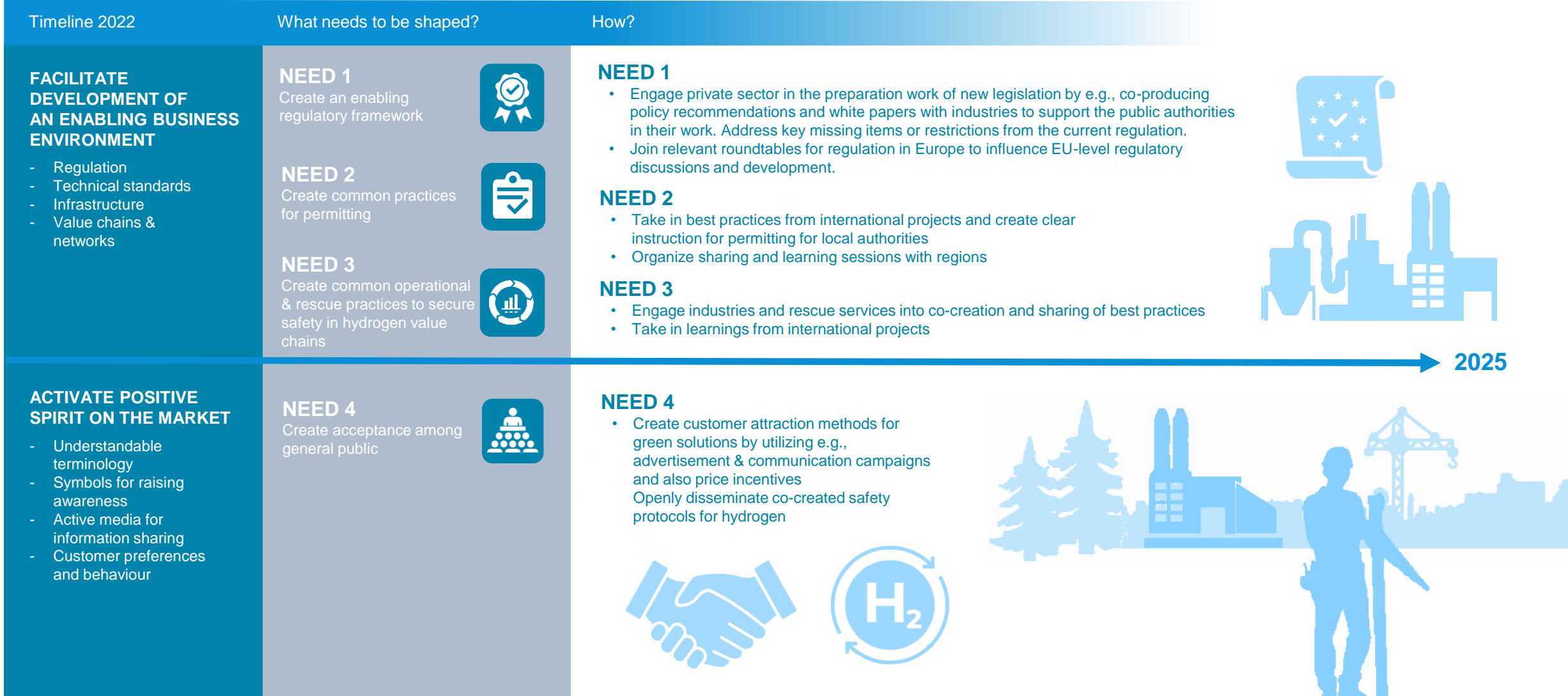


H₂ PRODUCTION, INFRASTRUCTURE AND UTILISATION



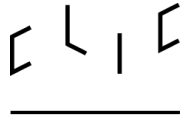


DEPLOYMENT OF P2X & CCU SOLUTIONS

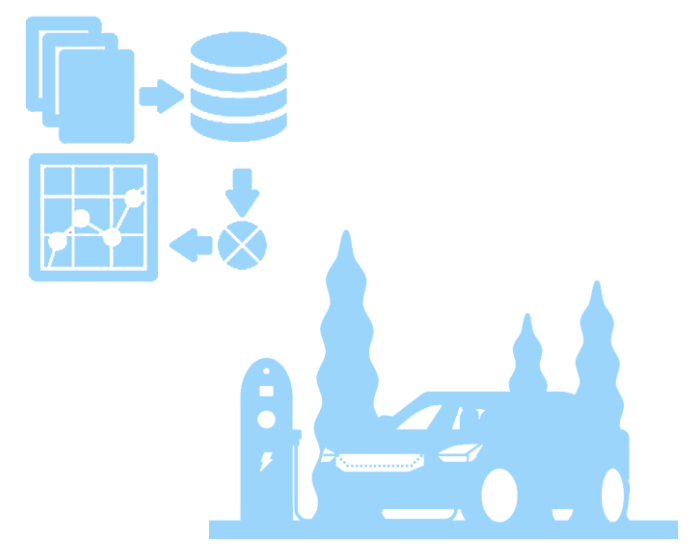
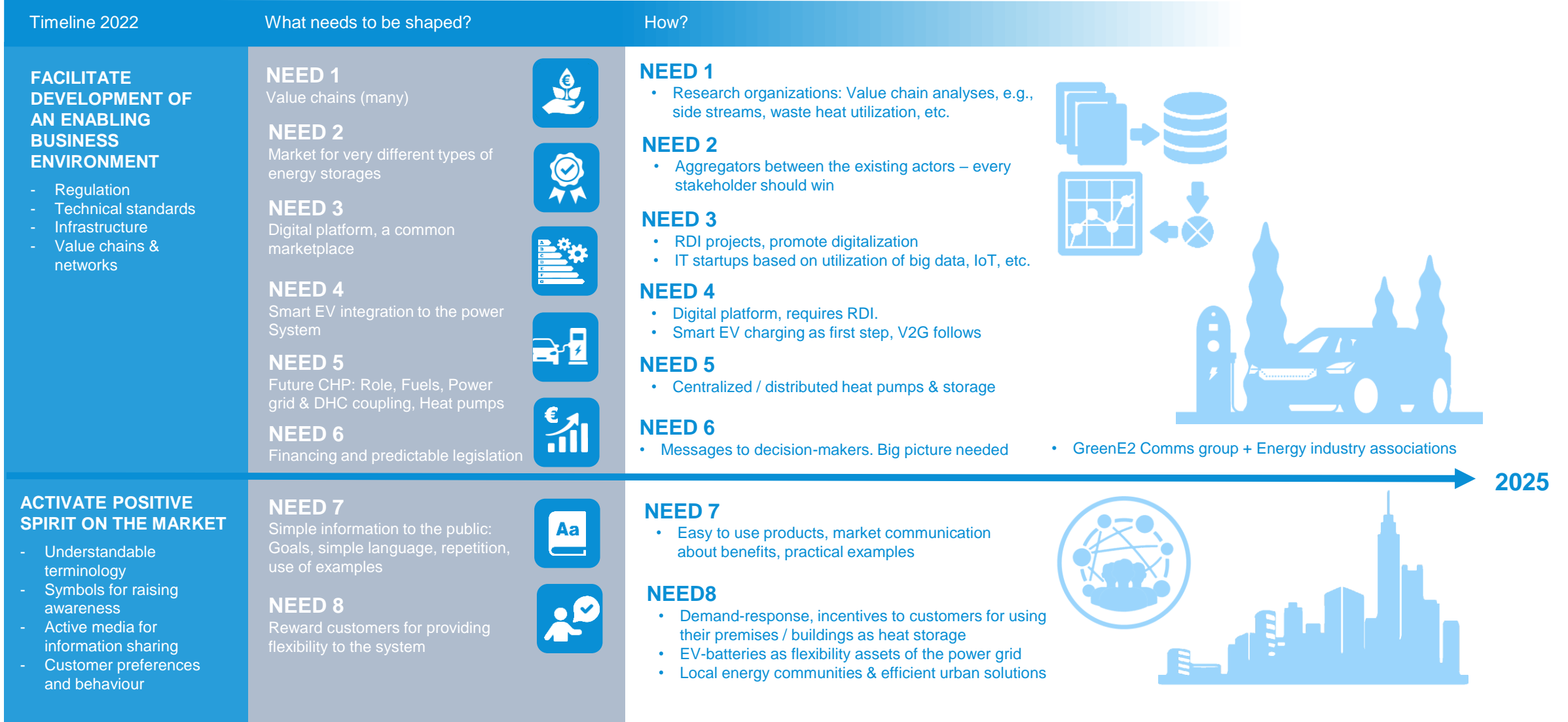


2025

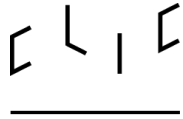




SECTOR INTEGRATION TECHNOLOGIES AND VALUE CHAINS



2025



ENHANCED SYSTEM LEVEL EFFICIENCY, RESILIENCE & SECURITY



Timeline 2022	What needs to be shaped?	How?	
<p>FACILITATE DEVELOPMENT OF AN ENABLING BUSINESS ENVIRONMENT</p> <ul style="list-style-type: none"> - Regulation - Technical standards - Infrastructure - Value chains & networks 	<p>NEED 1 Creating an enabling environment for data exchange</p> <p>NEED 2 Understand end user needs regarding telecom standards from energy market</p> <p>NEED 3 Identify owners for cyber physical systems</p> <p>NEED 4 Transparency, forecasting and clear roles for energy market</p> <p>NEED 5 Flexibility</p> <p>NEED 6 Data Forecasting</p>	<p>NEED 1</p> <ul style="list-style-type: none"> • Develop standards eg. Gaia X • Identify revenue generation streams and business models <p>NEED 2</p> <ul style="list-style-type: none"> • Better collaboration with telecommunication researchers and energy experts <p>NEED 3</p> <ul style="list-style-type: none"> • Governance and regulations <p>NEED 4</p> <ul style="list-style-type: none"> • Digital twin pilots for Finnish energy ecosystem <p>NEED 5</p> <ul style="list-style-type: none"> • Platforms for integrating prosumers <p>NEED 6</p> <ul style="list-style-type: none"> • Usage of data for managing volatility 	
<p>ACTIVATE POSITIVE SPIRIT ON THE MARKET</p> <ul style="list-style-type: none"> - Understandable terminology - Symbols for raising awareness - Active media for information sharing - Customer preferences and behaviour 	<p>NEED 7 Communication about flexibility</p>	<p>NEED 7</p> <ul style="list-style-type: none"> • Create a communication plan and strategy for prosumers • Models for forecasting consumption, production and pricing 	