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CCUS Project

June 2020

Port of Antwerp

Belgium’s biggest economic driver

238
Million tonnes of freight

12,068
hectares

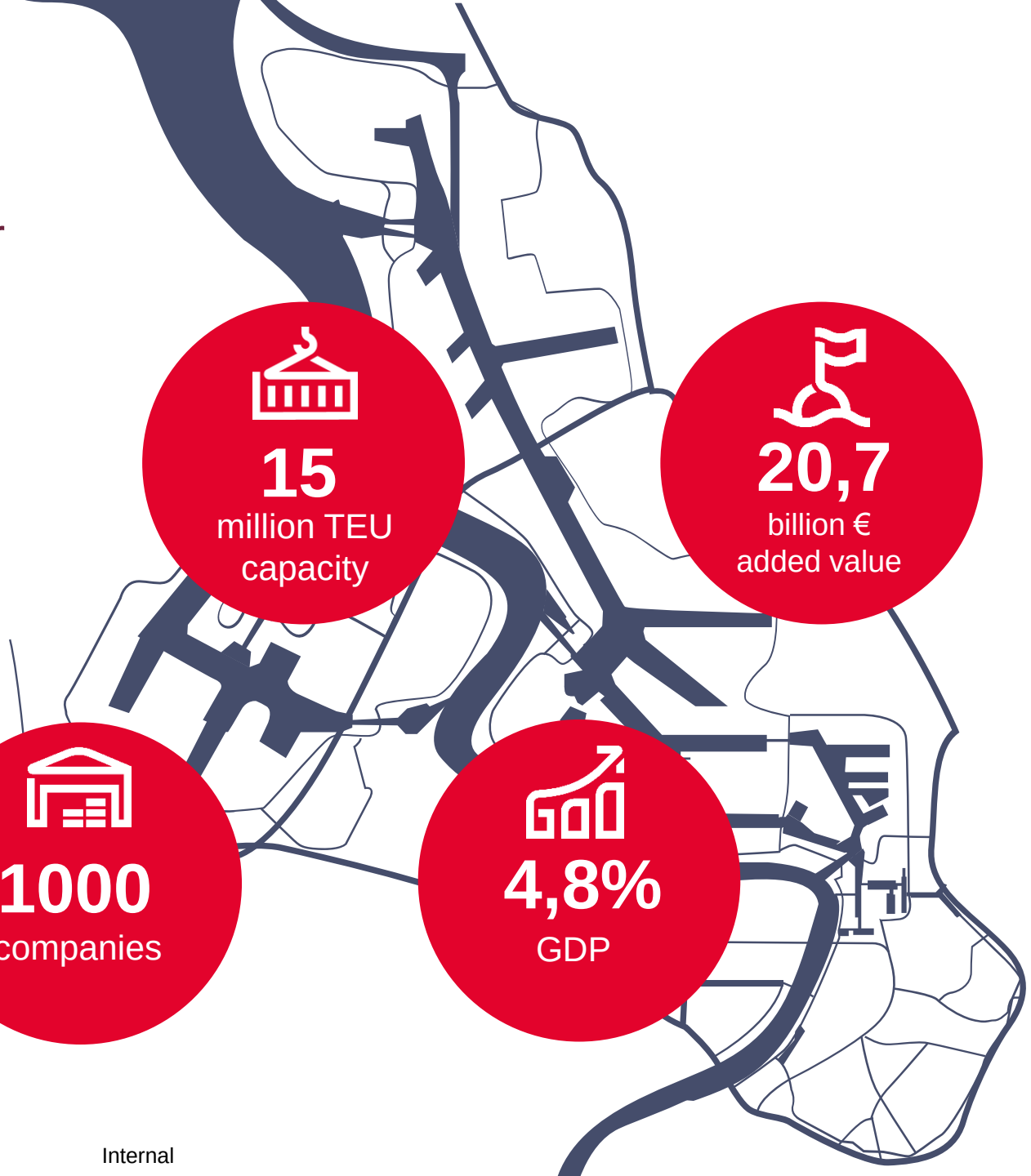
15
million TEU capacity

20,7
billion € added value

144,183
jobs

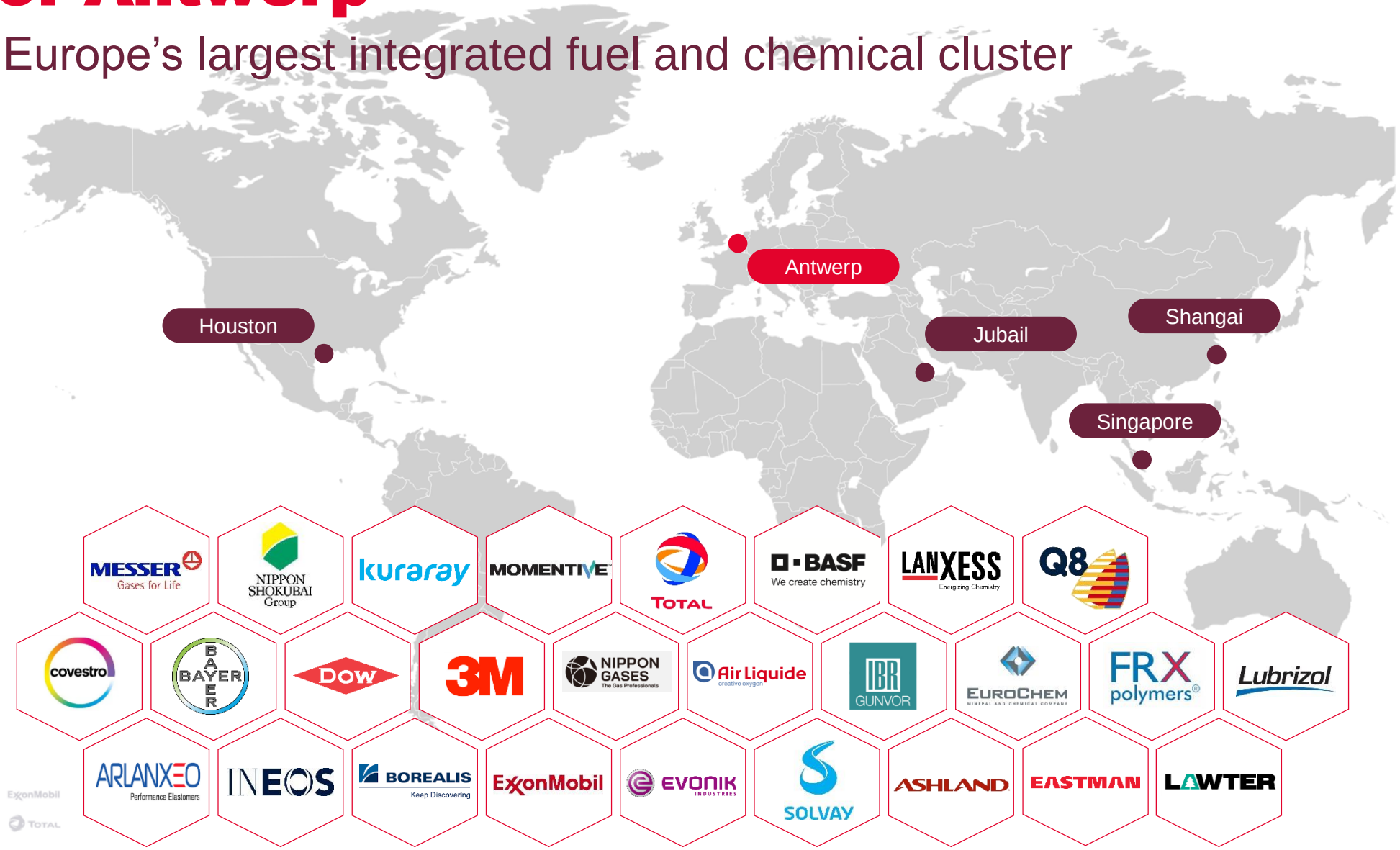
1000
companies

4,8%
GDP



Port of Antwerp

Hosting Europe’s largest integrated fuel and chemical cluster



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8 project partners

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Potential CO_2 capture

Country		Baseline (year)	Emissions in Mt 2005	Current GHG reduction rate (2018)	Emissions in Mt 2018 (2017 for Flanders non-ETS)	2030 target	2030 target European Green Deal	2050 target European Green Deal
Belgium non-ETS		2005	78,8	-9%	71,4	-35%	Minimum 50% and towards 55% across the EU	Carbon-neutrality (European Green Deal)
Belgium ETS		2005	66,59	-34%	44,2	EU target		
Flanders non-ETS		2005	46,13	-6%	43,5	-35%		
Flanders ETS		2005	43,28	-26%	31,9	EU target		
EU28	ETS	2005	2.369	-27%	1.682	-43%		
	Non-ETS	2005	2.856	-10%	2.562	-30%		
	Total	2005	5.225	-16%	4.244	-36%		

18 mio tonnes GHG emissions
in the port of Antwerp in 2017

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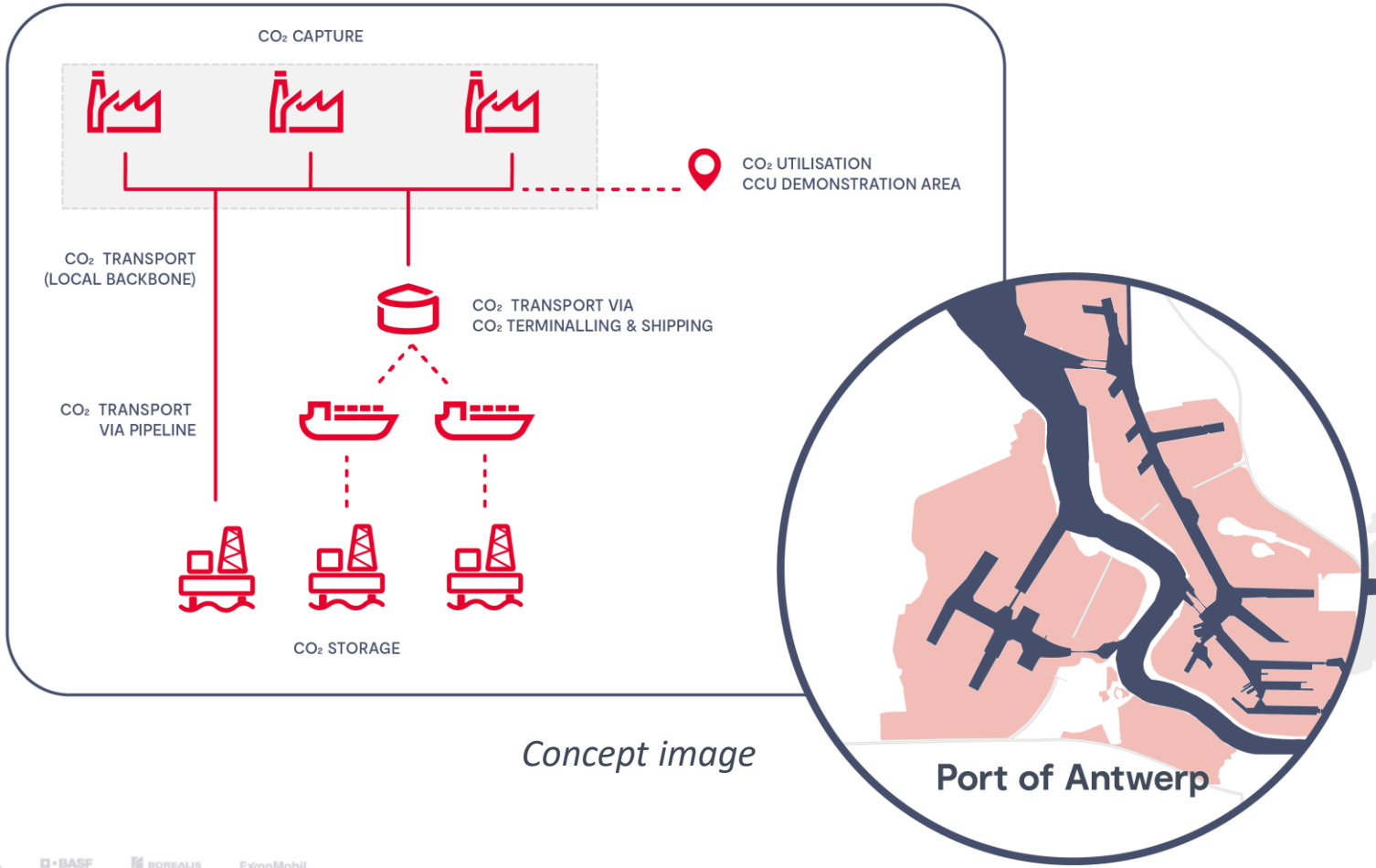
Building a CCUS value chain in Port of Antwerp



Concept image

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International collaboration

- Belgium does not have suitable geological formations for storing CO_2 underground, so **international collaboration will be necessary**
- Antwerp@C partners submitted 2 applications to the European Commission for recognition as '**Projects of Common Interest**'.
- Both projects offer possibilities for investigating **the development of cross-border CO_2 transport infrastructure**
  - CO_2 TransPorts project (Netherlands)
  - Northern Lights project (Norway)

Port of Antwerp

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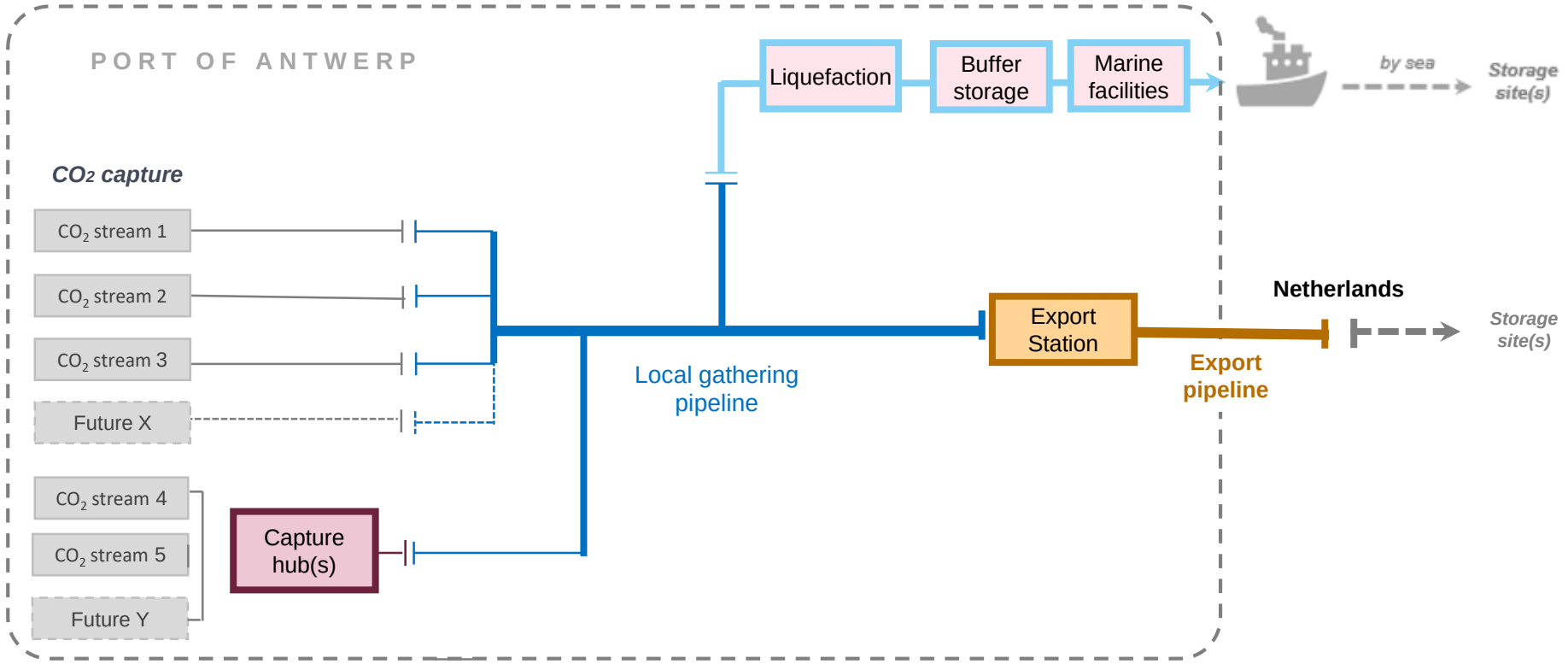
Scope



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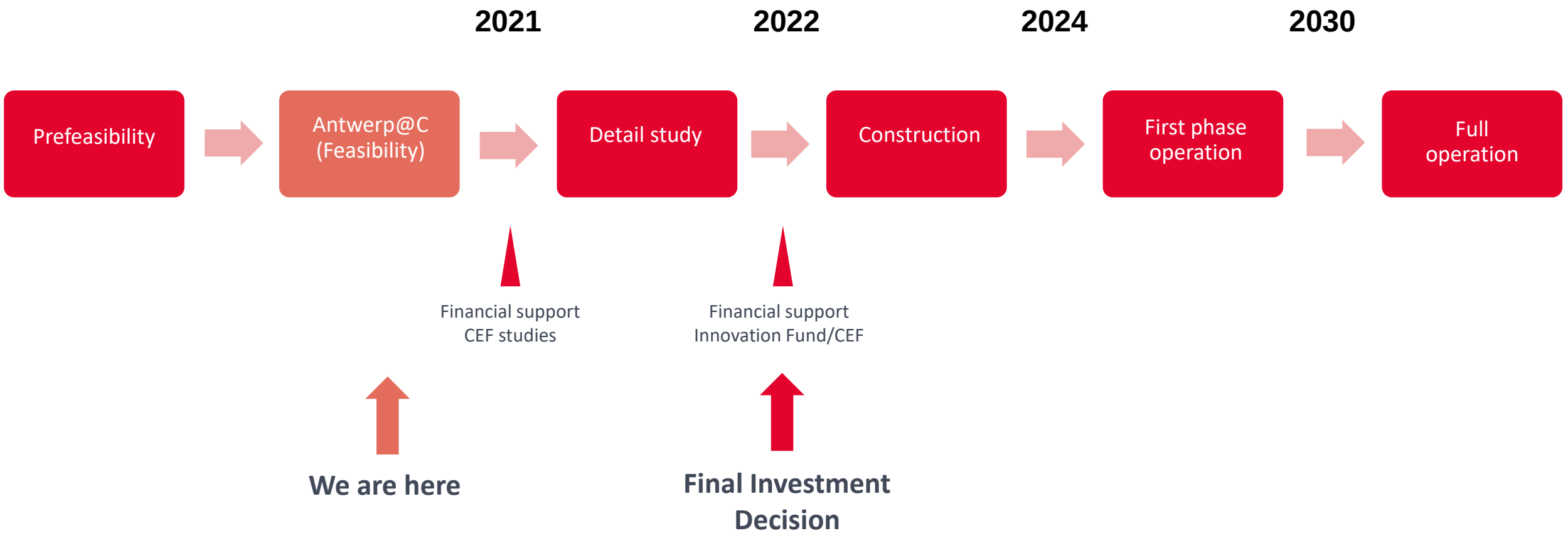
Project development timeline (best case scenario)



Thank you