

Hydrogen Infrastructure in an Urban Context

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Västkusten

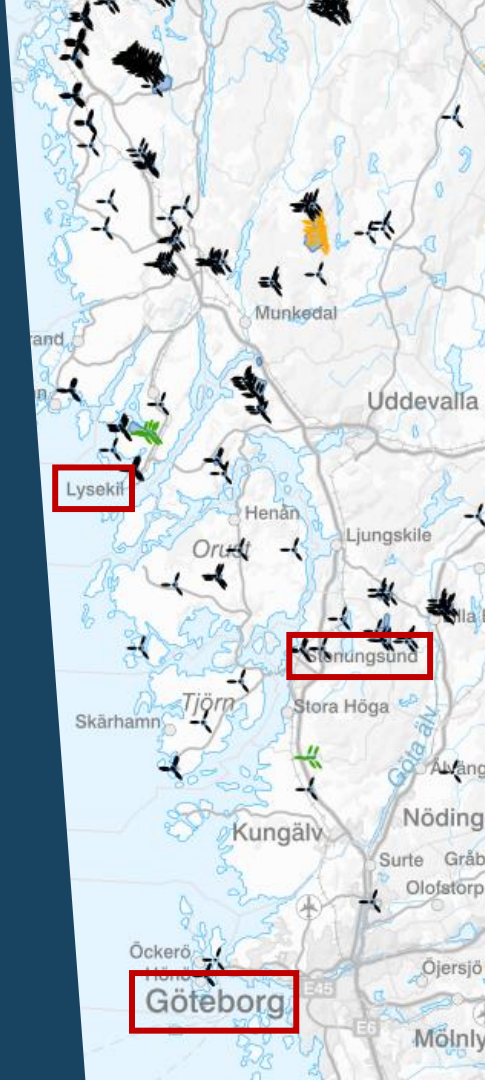
Dagens vätgasbehov:

6.4 TWh/år (192 kton)¹

Framtida vätgasbehov:

4.9-14 TWh/år

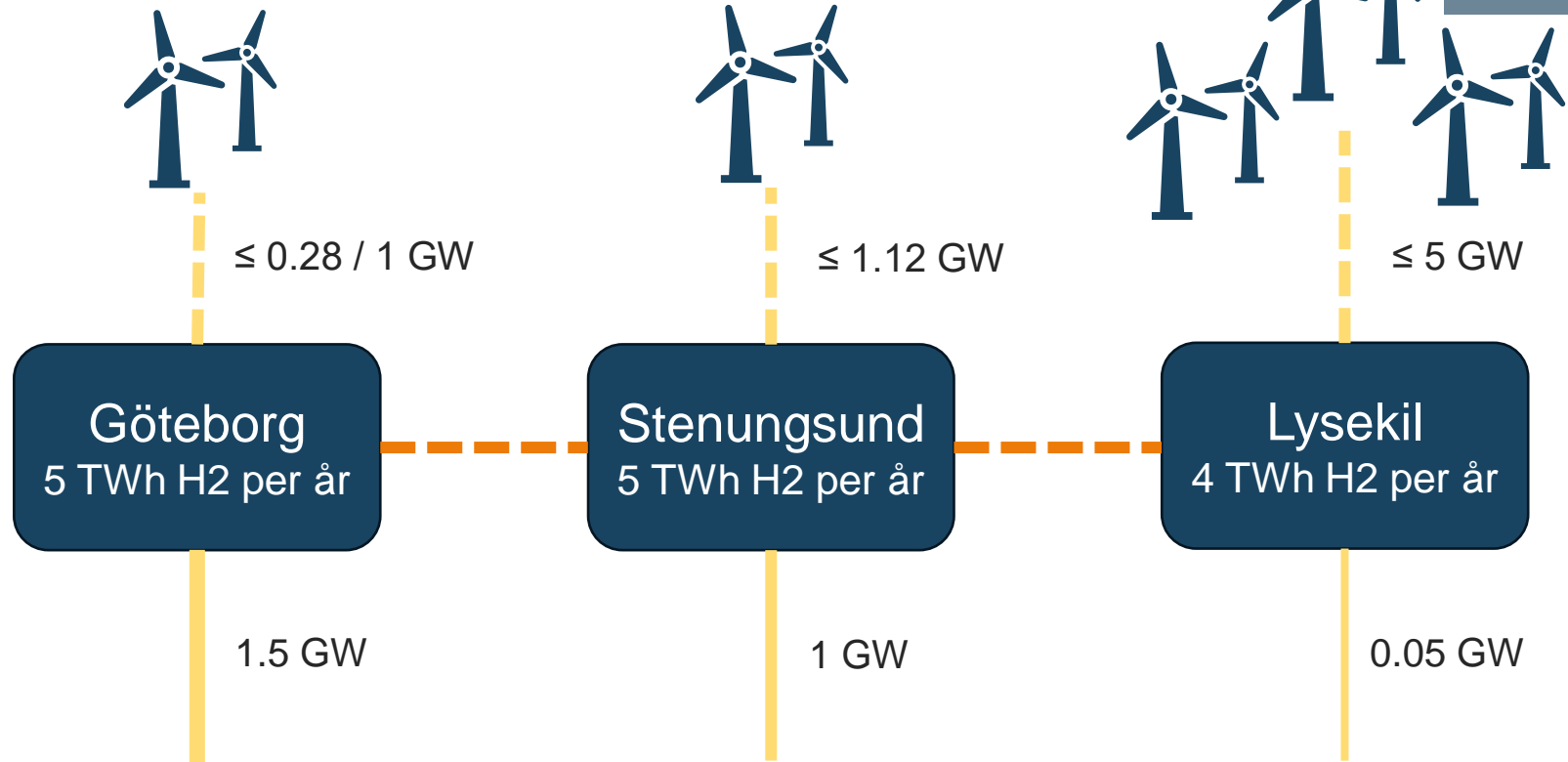
(147-420 kton)

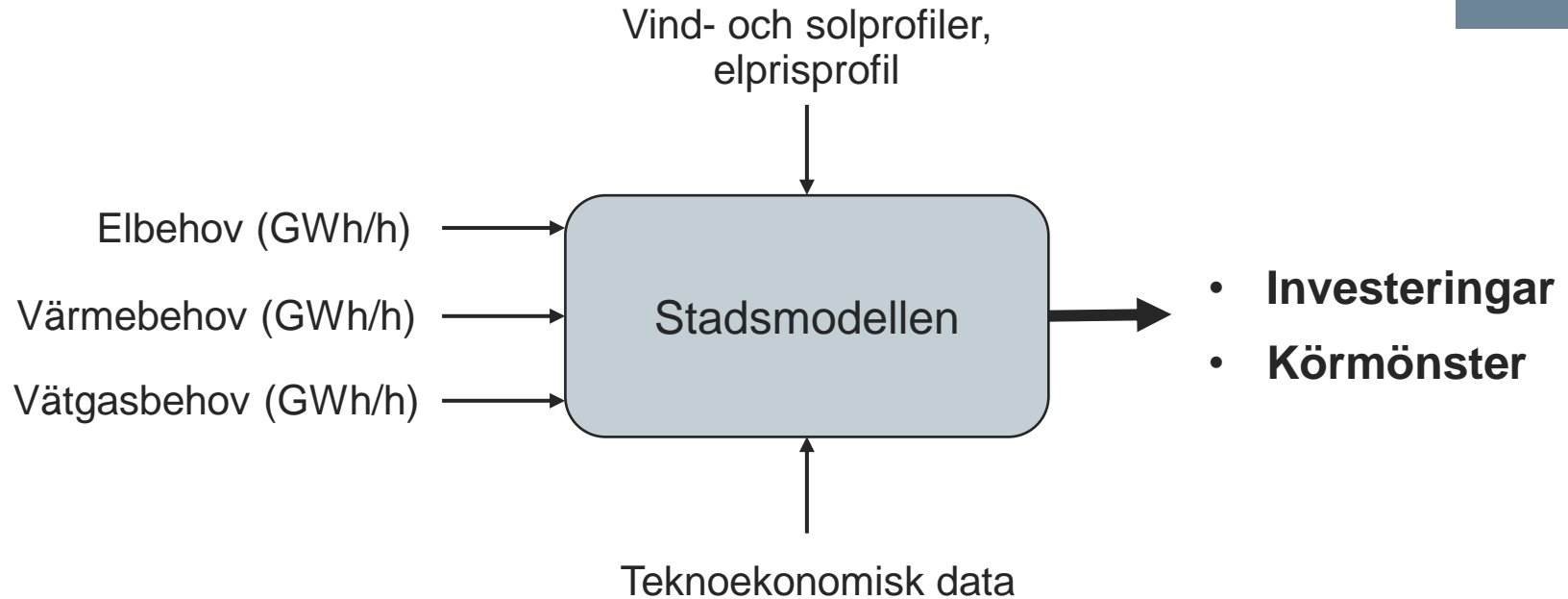


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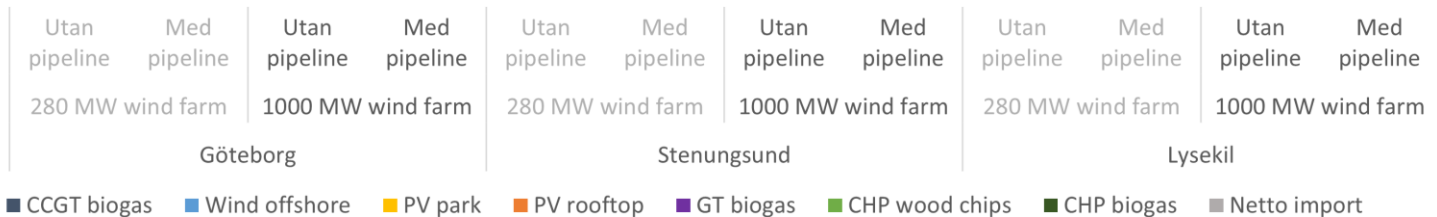
¹ Edvall, Eriksson, Harvey, Kjærstad, Larfeldt. (2022). "Vätgas på Västkusten"

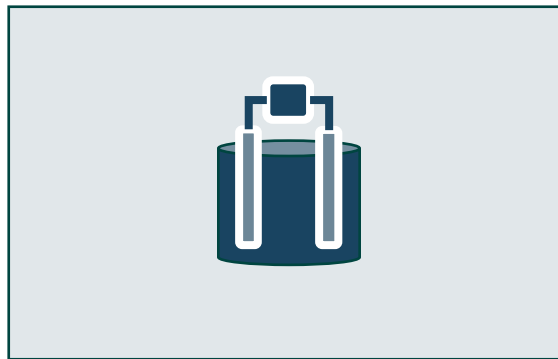
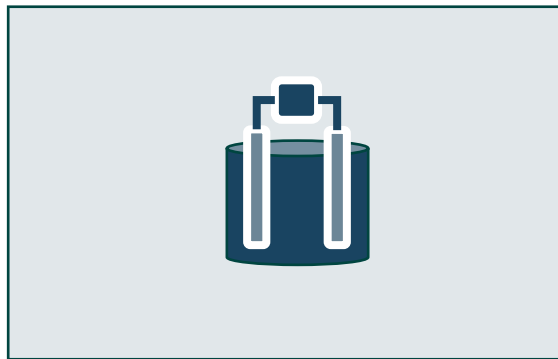
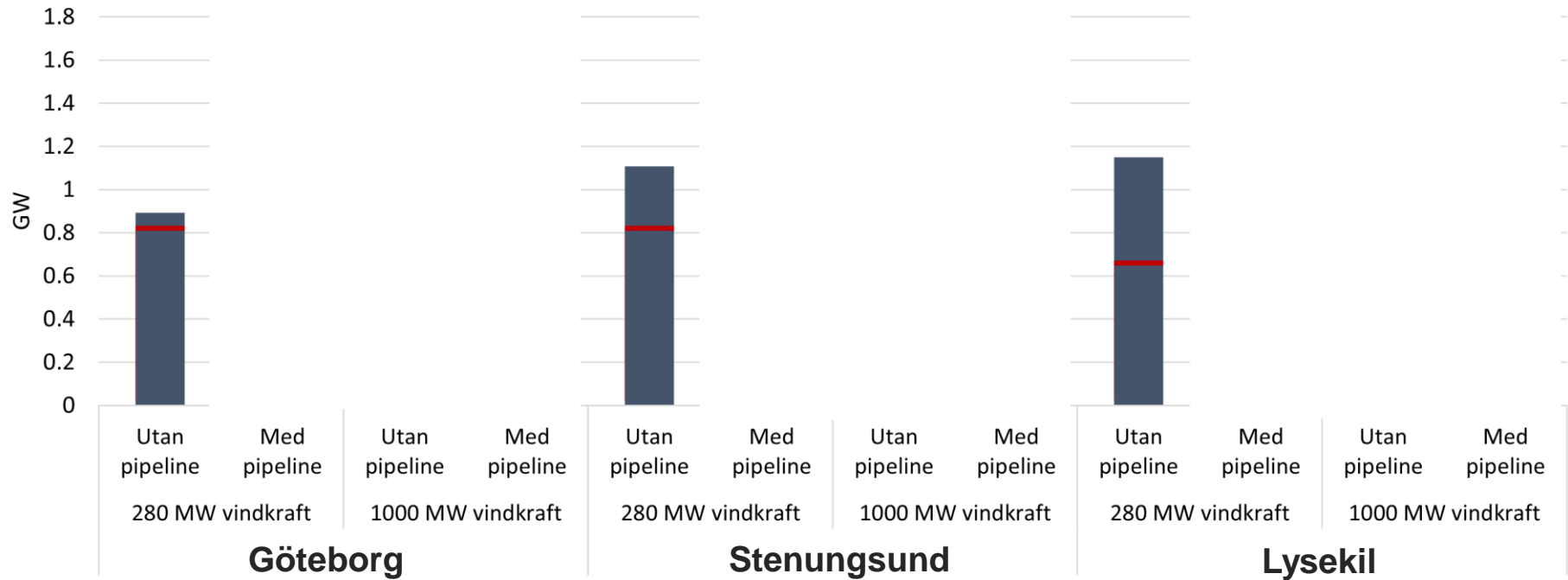
Nodernas förutsättningar

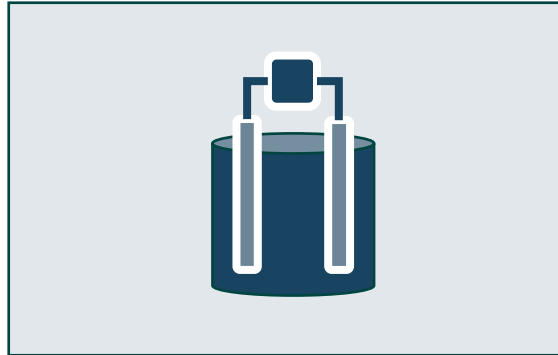
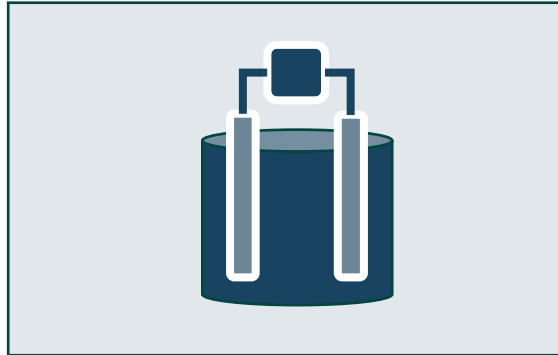
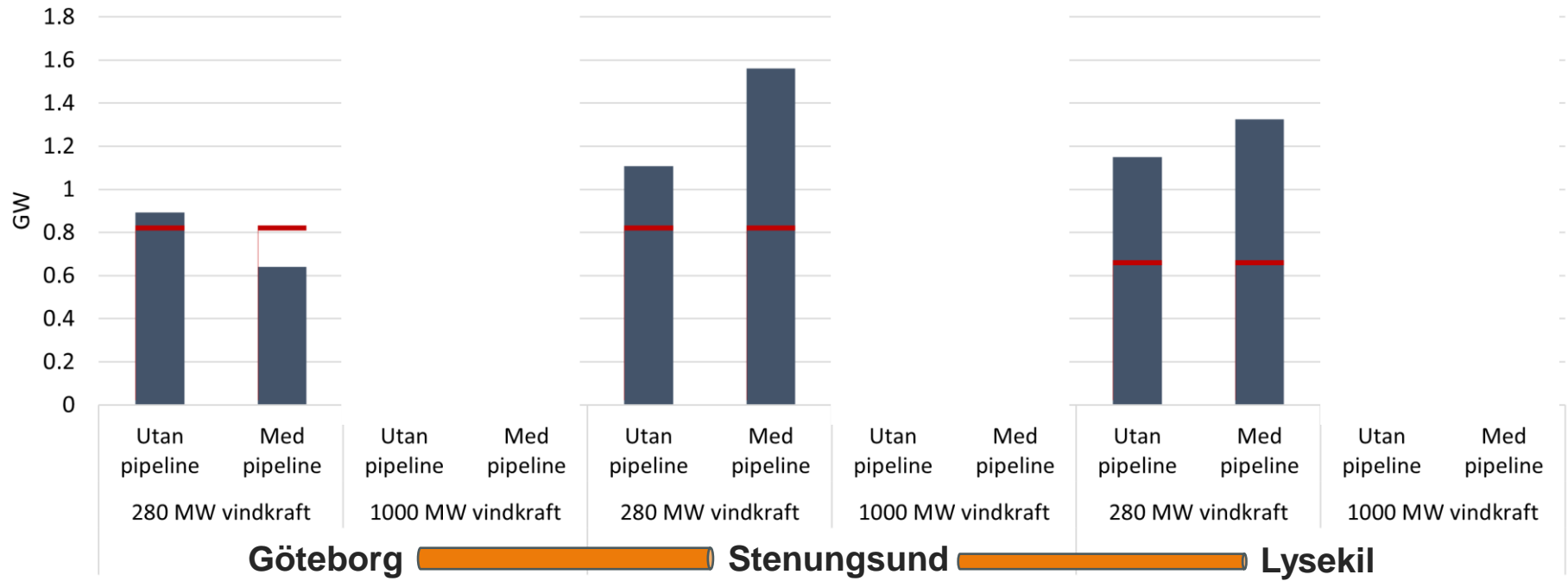


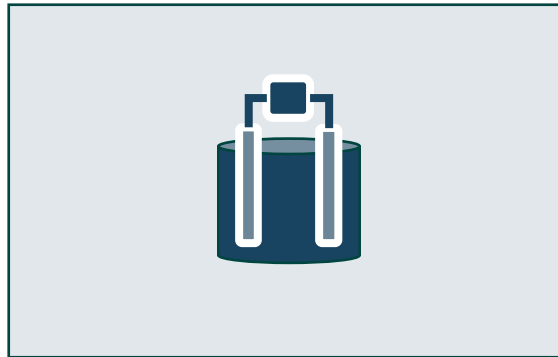
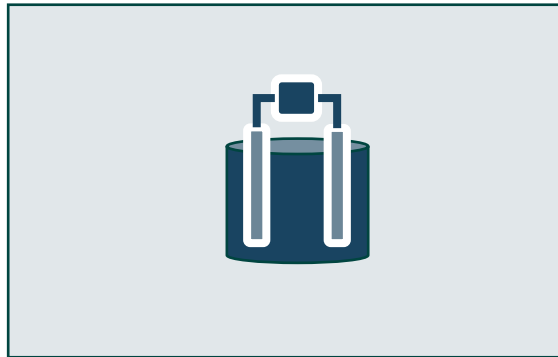
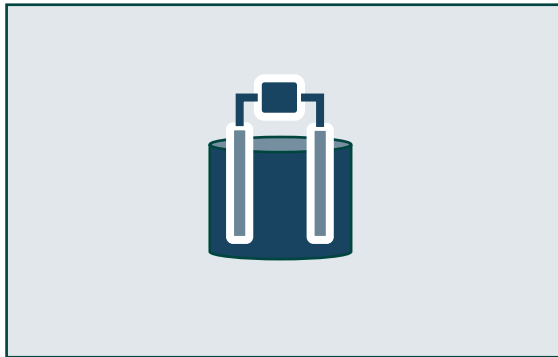
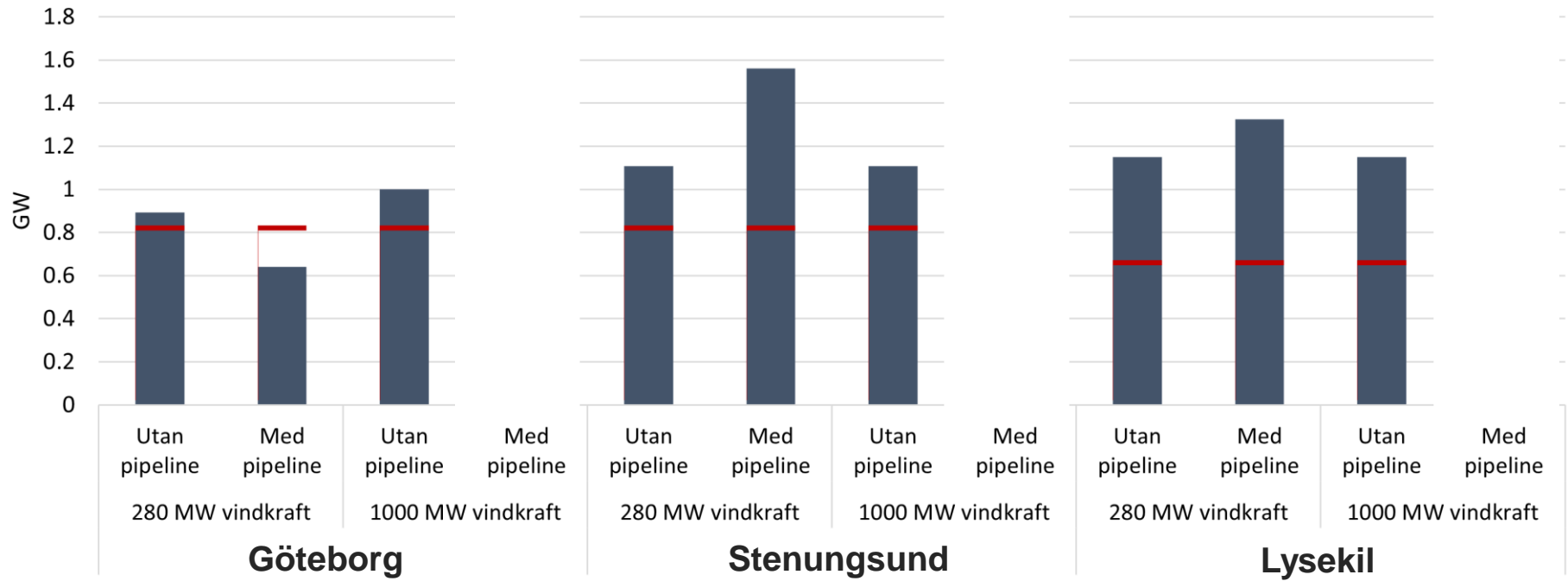


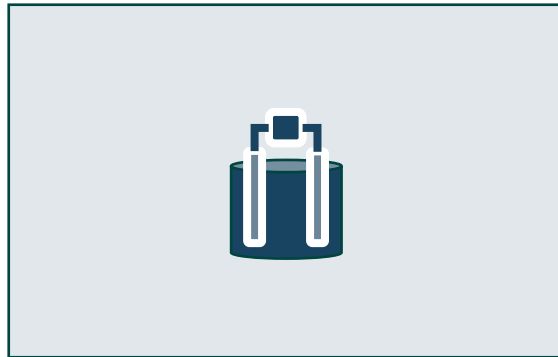
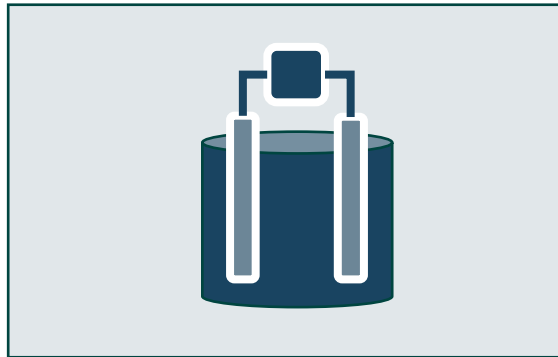
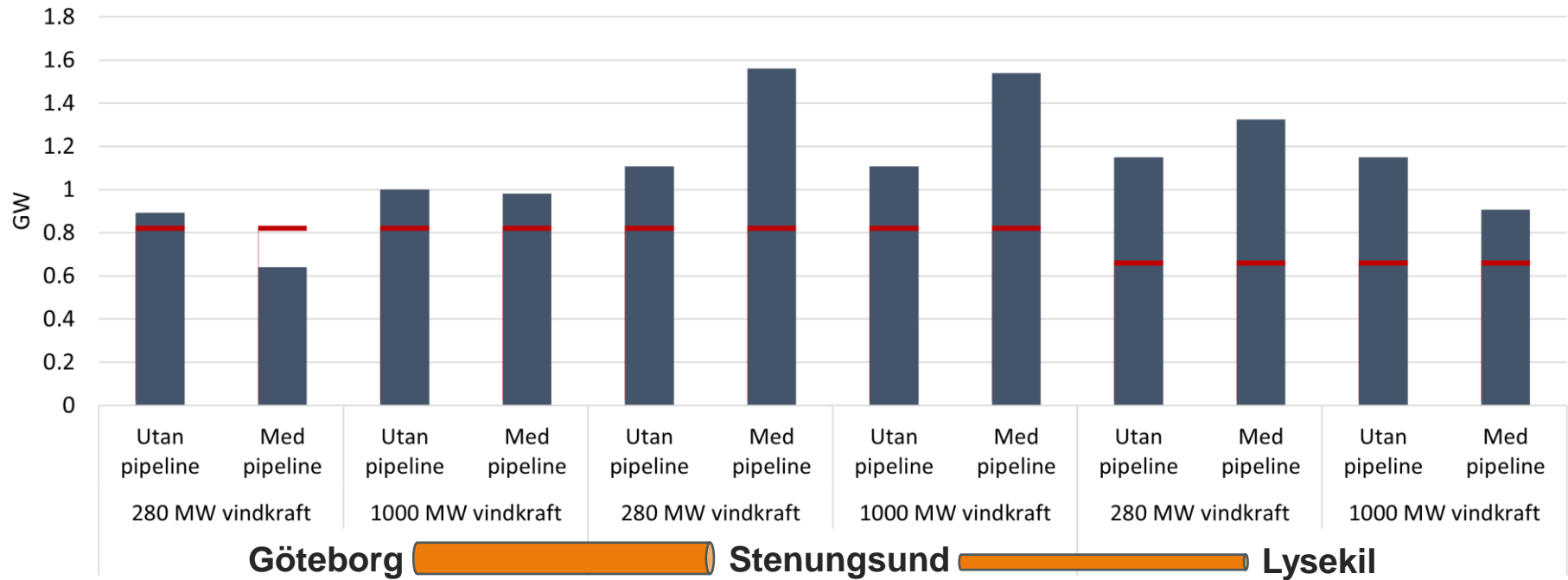
Elproduktion per år

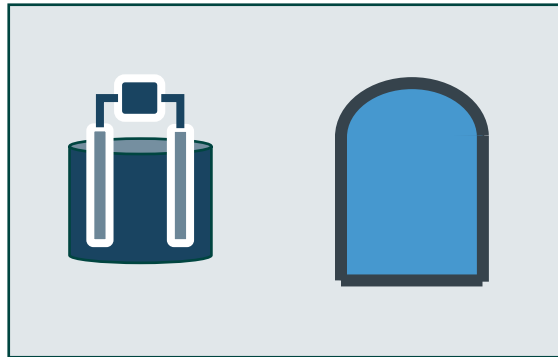
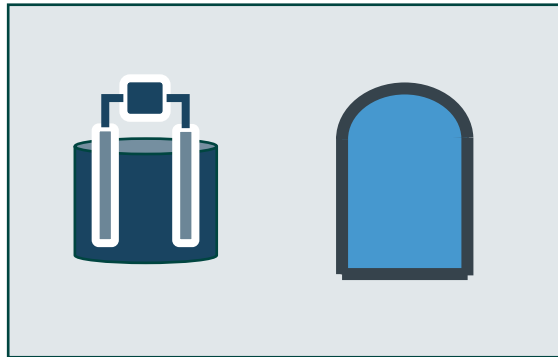
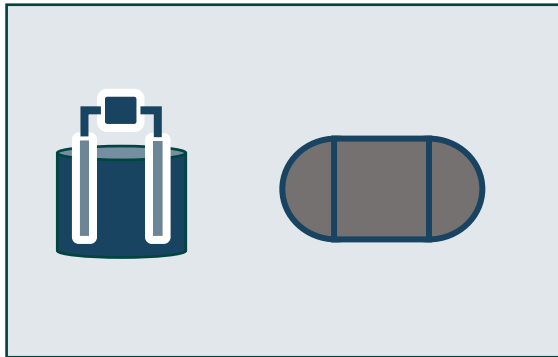
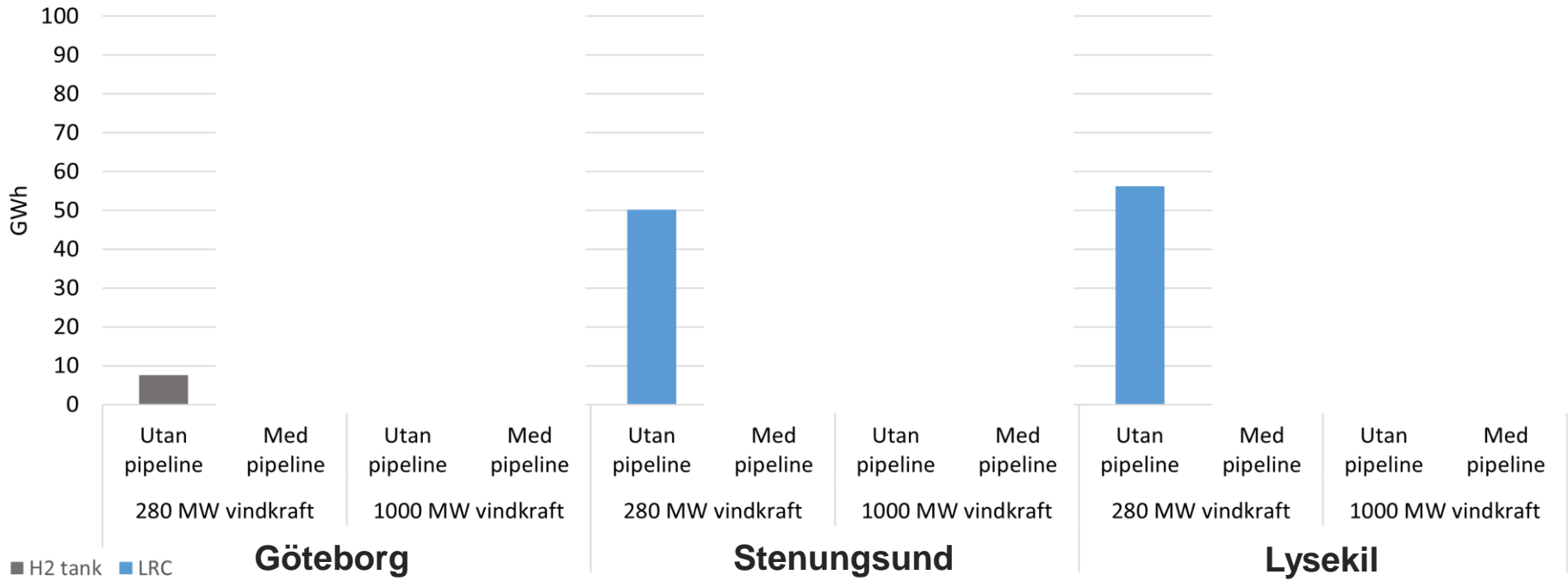


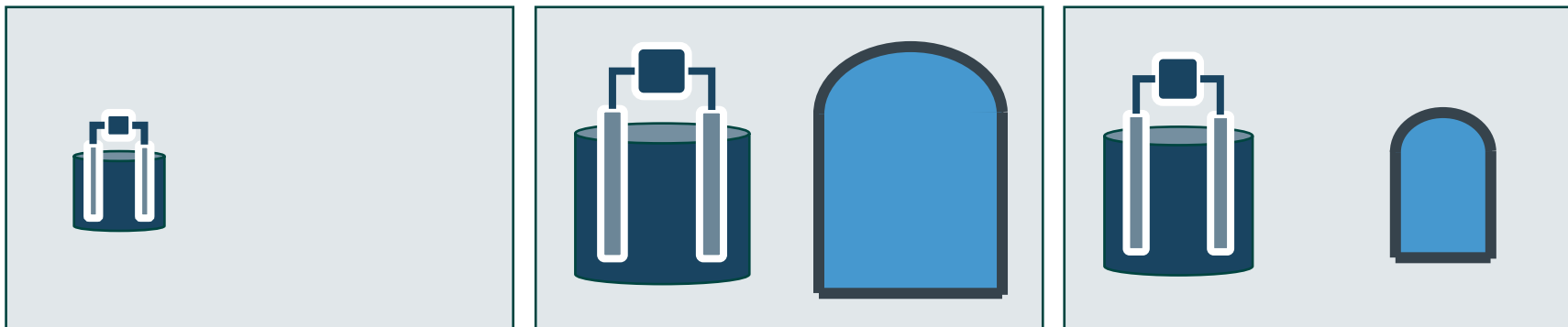
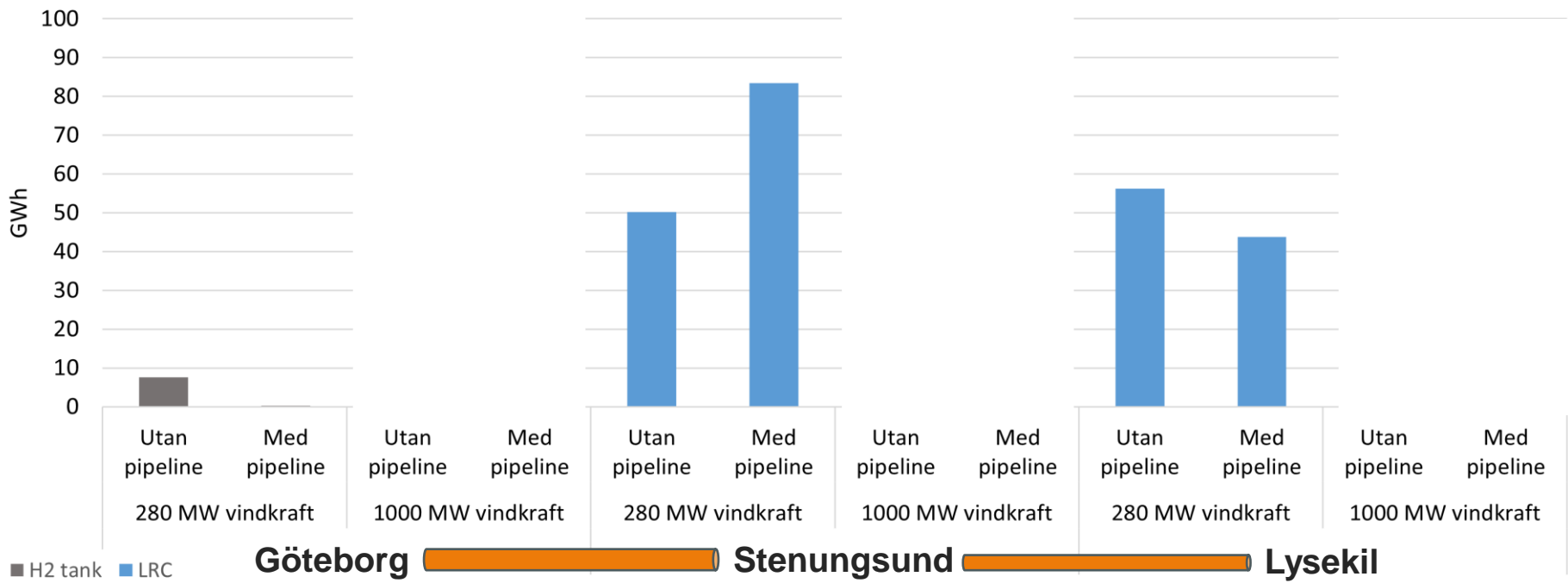


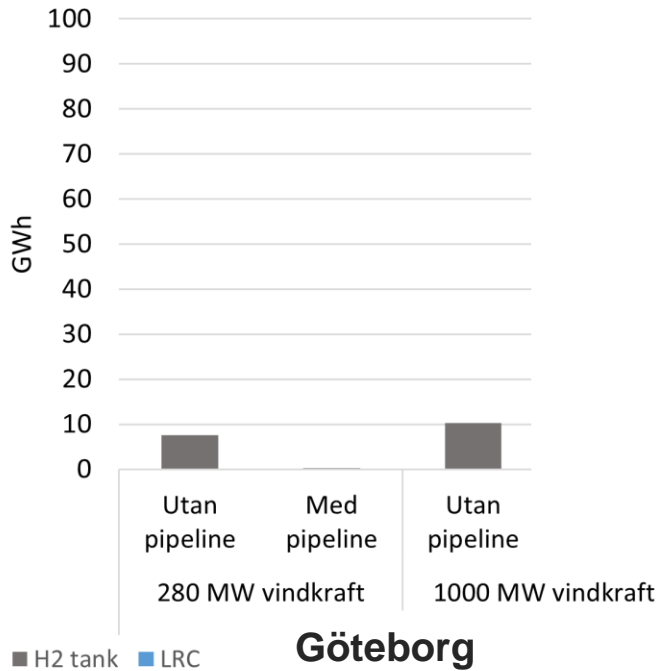




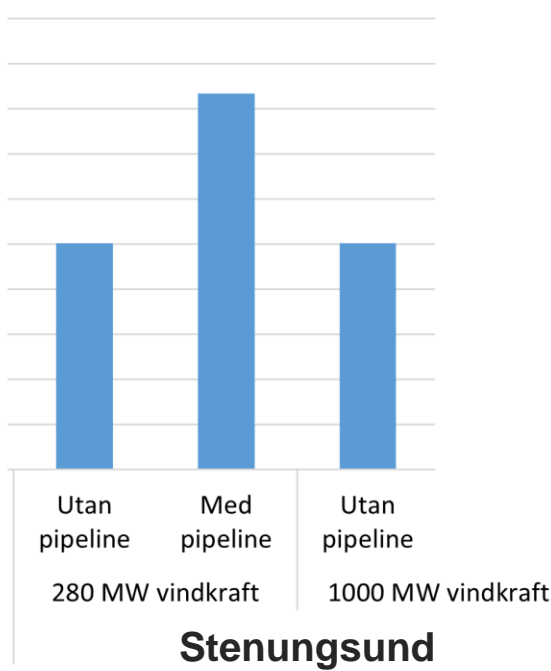
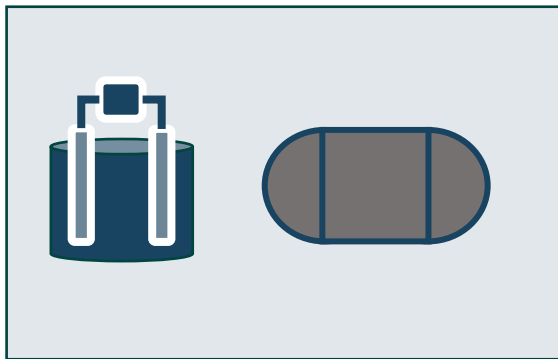




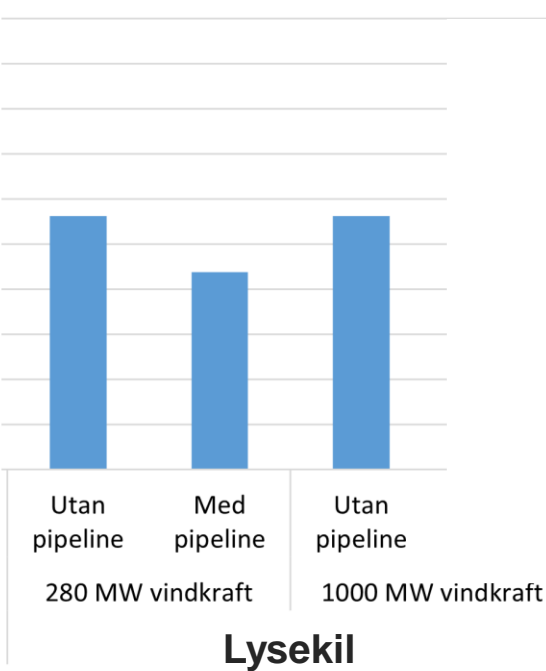
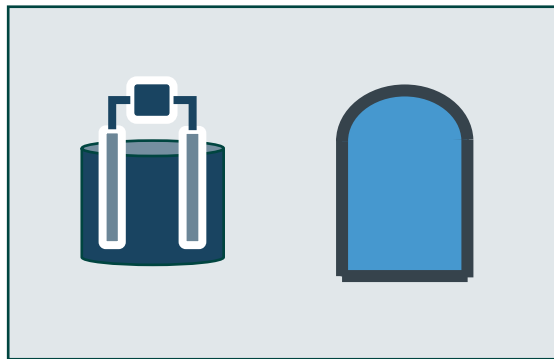




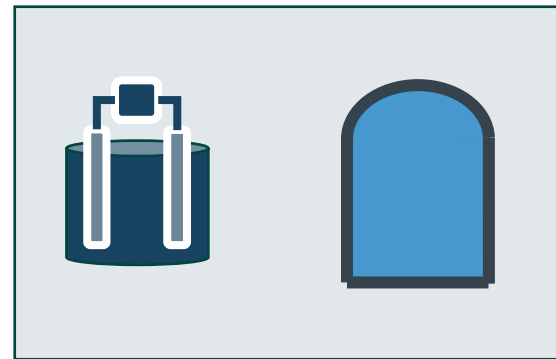
Göteborg

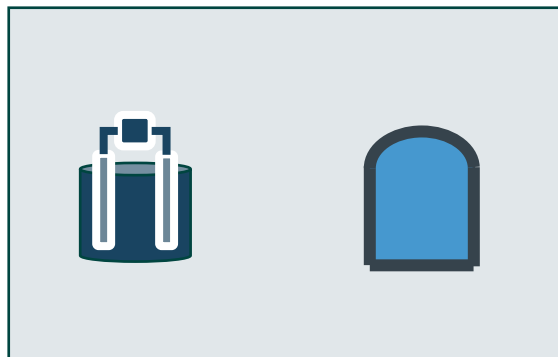
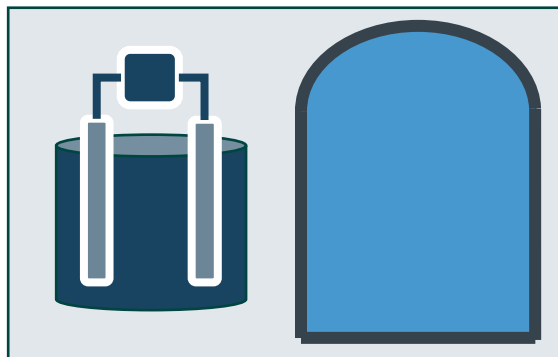
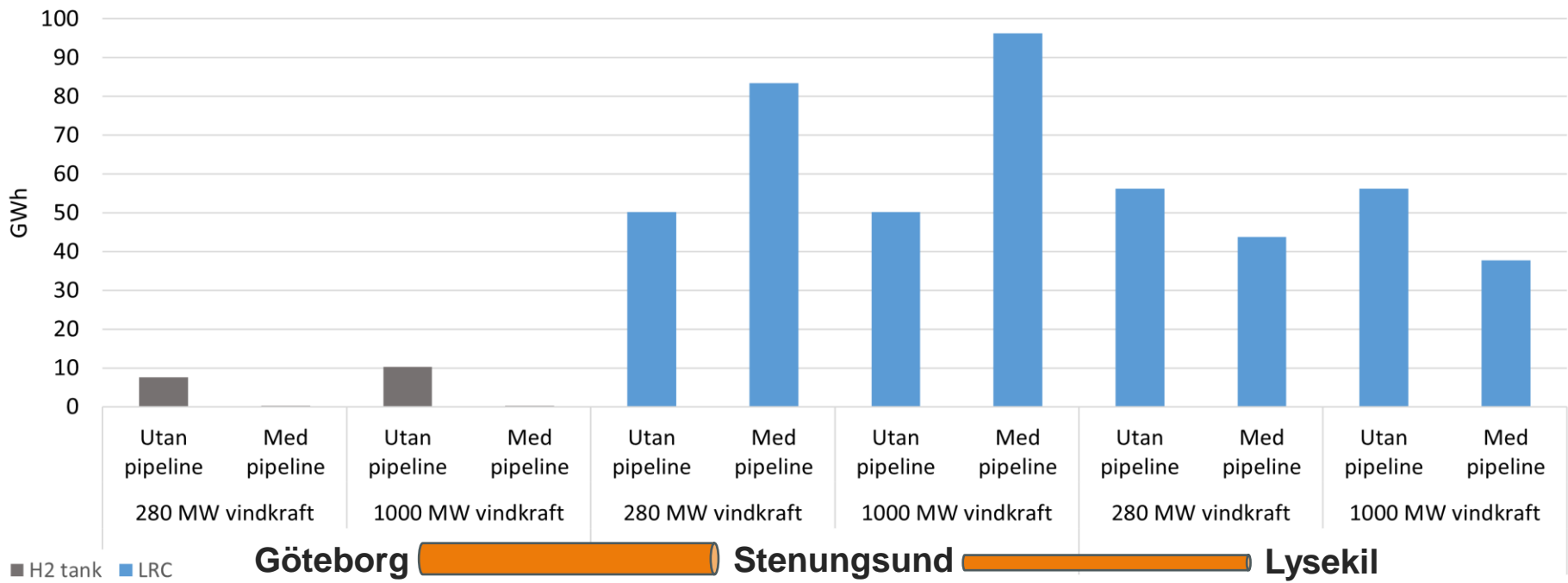


Stenungsund

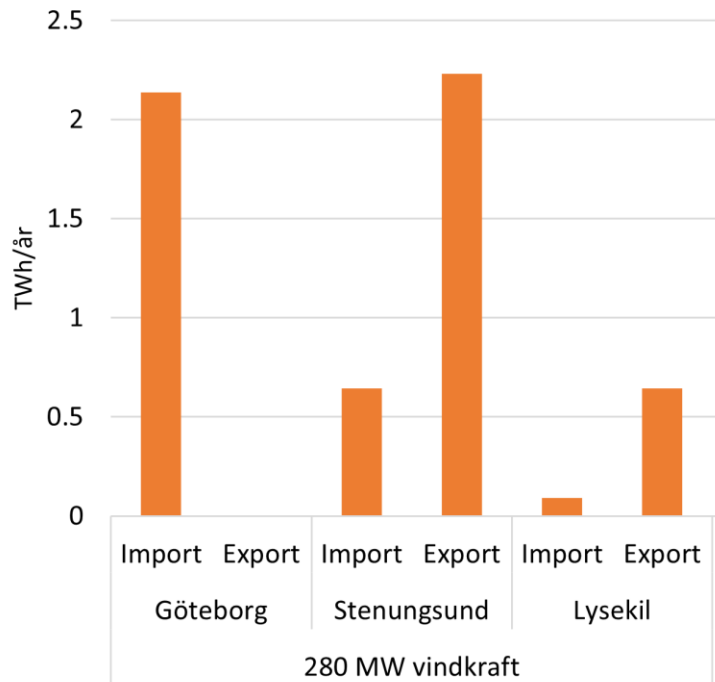


Lysekil



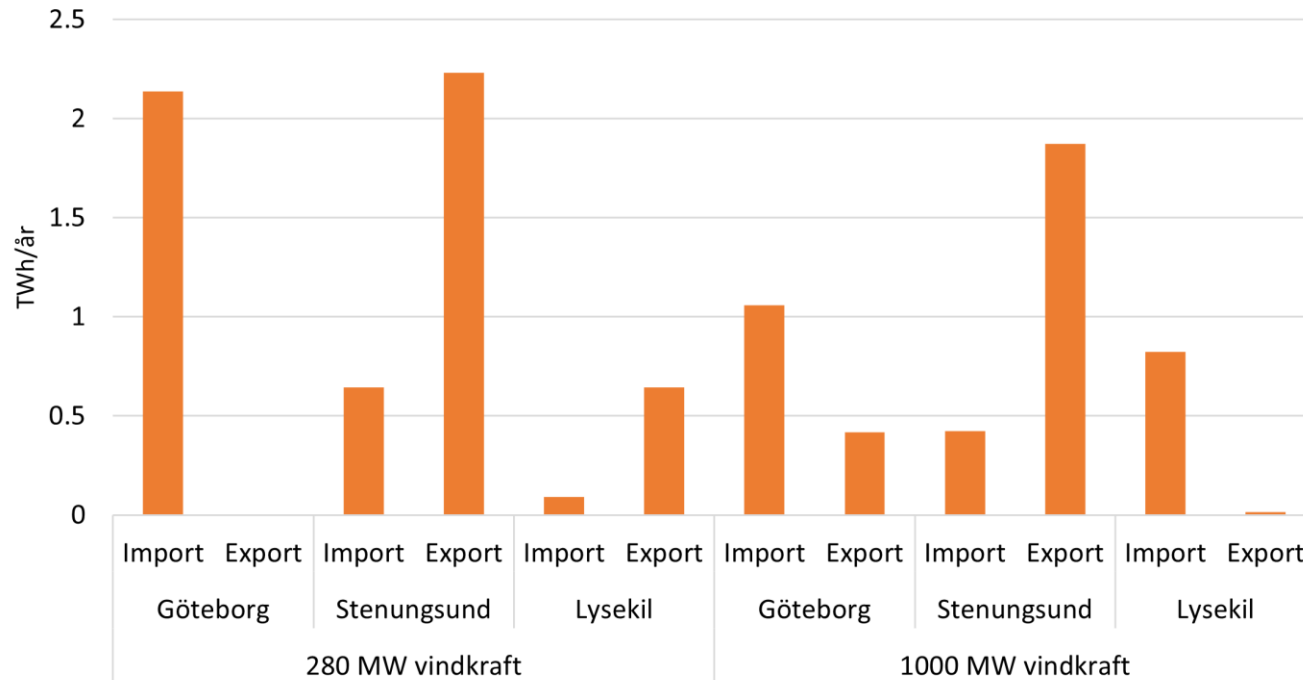


Import och export av vätgas



Göteborg  Stenungsund  Lysekil

Import och export av vätgas



Göteborg  Stenungsund  Lysekil

Kostnader

	≤ 0.28 GW vindkraftspark Gbg		≤ 1 GW vindkraftspark Gbg	
	Utan pipeline	Med möjlighet till pipeline	Utan pipeline	Med möjlighet till pipeline
Total systemkostnad (M€)	1559	1457	1502	1438
Förändring (%)		- 6.6%		- 4.2%



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