


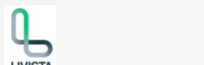



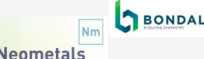


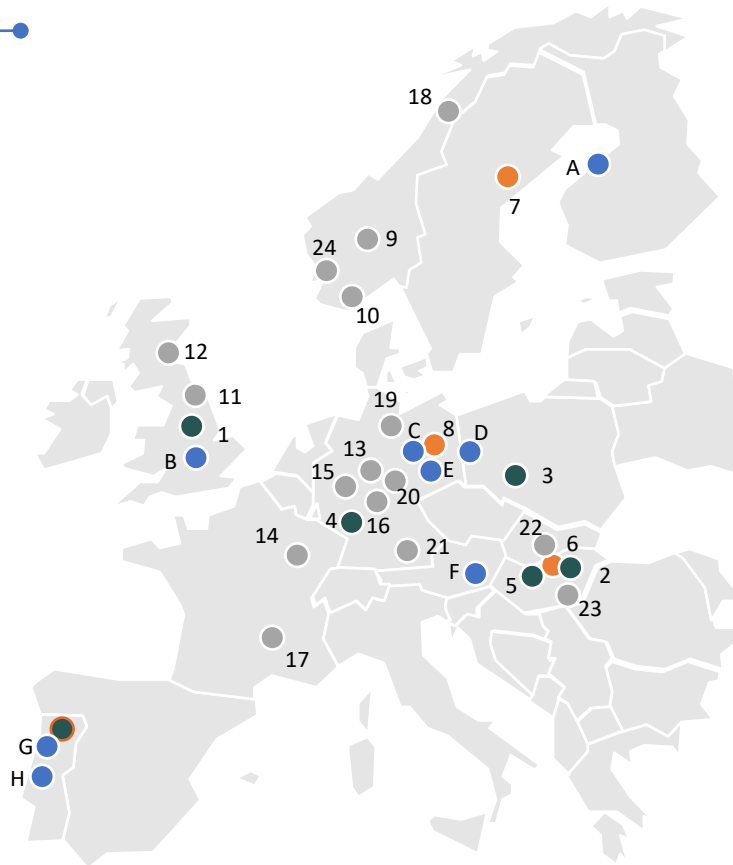
Lithium chemical and battery production in Europe

Battery manufacturing underway and set for rapid growth, lithium chemical production to be initiated

Lithium chemical Plants

Announced

 KELIBER 15ktpa LiOH	A
 GREEN LITHIUM 50ktpa LiOH	B
 RockTech LITHIUM Inc. 24ktpa LiOH	C
 LIVISTA 30ktpa LCE	D
 AMG LITHIUM 20ktpa LiOH	E
 EUROPEAN LITHIUM 10ktpa LiOH	F
 galp northvolt 35ktpa LiOH	G
 Neometals BONDALTI 25ktpa LiOH	H



Some locations are indicative

Source: Public sources

Gigafactories


















Production

 Envision AESC 1.9 GWh	1	 SAMSUNG 30 GWh	2	 LG Chem 15 GWh	3
 Leclanché Energy Storage Solutions 1 GWh	4	 SK innovation 7.5 GWh	5	 microvast 1.5 GWh	19

Under construction

 SK innovation 9.8 GWh	6	 northvolt 32-40 GWh	7	 TESLA 100 GWh	8
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Announced

 equinor Panasonic Hydro 32 GWh	9	 MORROW 32 GWh	10	 BRITISHVOLT 30 GWh	11
 amte 5-35 GWh	12	 VW 13 +TBD 6 x 40GWh	13	 SAFT PSA TOTAL GROUPE 8-48 GWh	14
 SVOLT 20-24 GWh	15	 TERRAE BMZ 4-8 GWh	16	 VERKOR 16-50 GWh	17
 FREYR 34 GWh	18	 microvast 6 GWh	19	 FARASIS 6-10 GWh	20
 CATL 14-100 GWh	21	 inoBat auto 10 GWh	22	 SK innovation 30 GWh	23
 BYD TBD	TBD	 BEYONDER TBD	24		