

































- Established 2007
- 19 Core companies
- 41 Competence suppliers
- Norwegian Centre of Expertise since 2015





























Kvadraturen skolesenter

Noroff School of technolog and digital media

Tecto







Hydro

























eramet

NIKKELVERK GLENCORE COMPANY

ALUDYNE

**BOLIDEN** 

Borregaard





Sam Eyde (1866-1940)Norwegian Industrialist Founder of four Eyde cluster member



# Prioritised UN Sustainable development goals































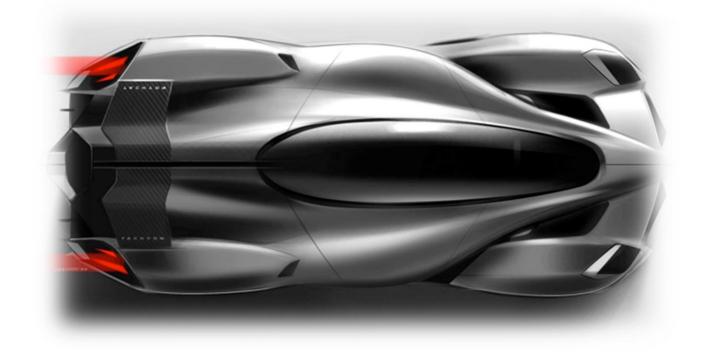






## **BATMAN (2019-2022)**

Lithium ion BATteries - Norwegian opportunities within sustainable end-of-life MANagement, reuse and new material streams



Kilde: https://www.motor1.com/news/186144/raesr-tachyon-speed-debut/





# BATMAN (2019-2022) Lithium ion BATteries - Norwegian opportunities within sustainable end-of-life MANagement, reuse and new material streams. Budget 30 MNOK.





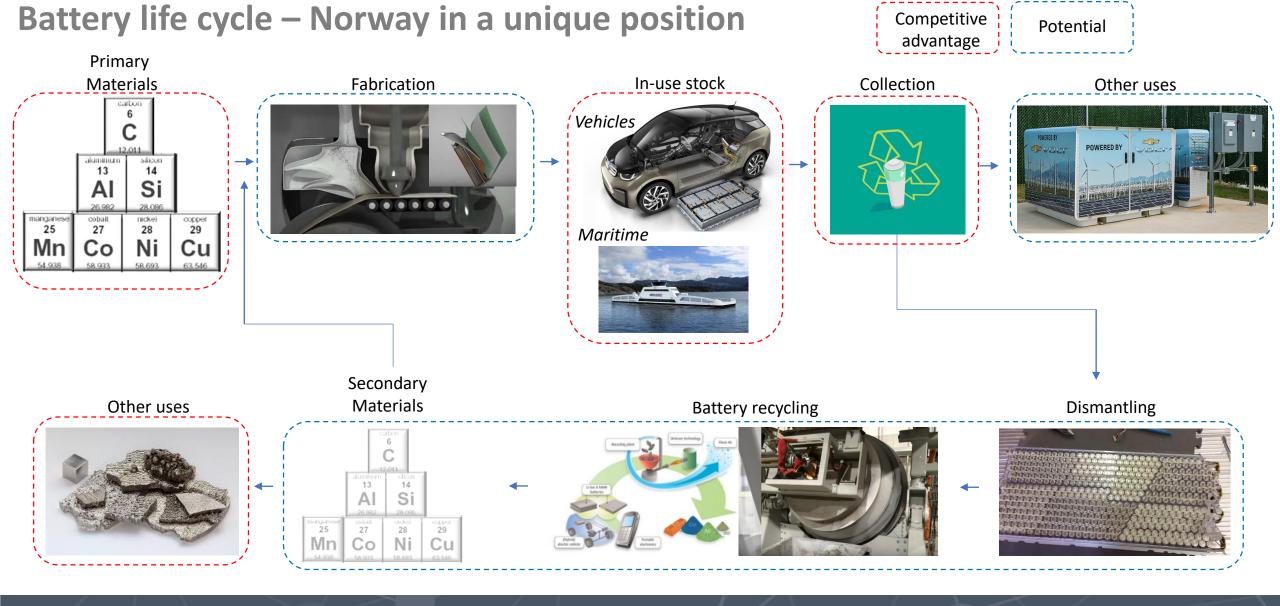








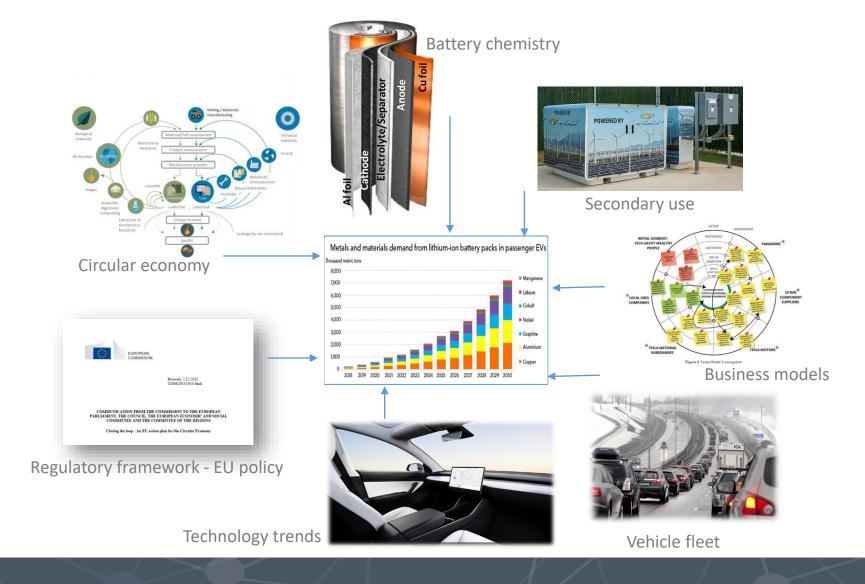








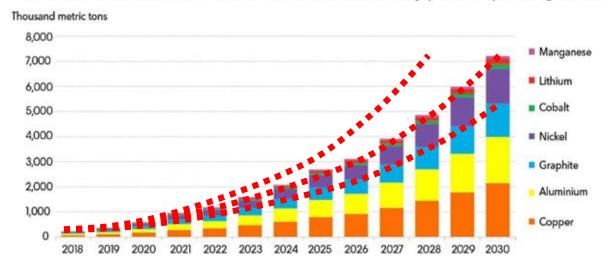
## **BATMAN** - Predictive model for material demand and secondary use/recycling volumes



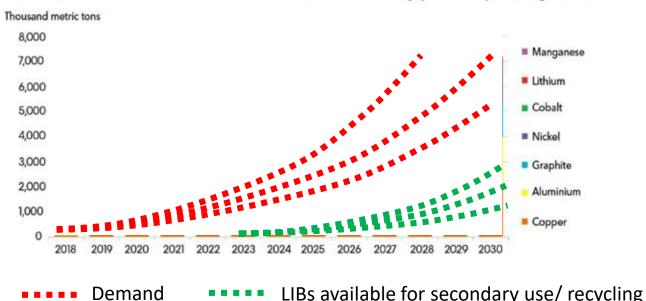


### BATMAN - Predictive model for material demand and secondary use/recycling volumes

#### Metals and materials demand from lithium-ion battery packs in passenger EVs



#### Metals and materials demand from lithium-ion battery packs in passenger EVs



Partner companies can, in a timely fashion, identity their value creation opportunities within i) refurbishing, ii) secondary use, iii) recycling and iv) new energy systems and models. Enabling them to take strategic decisions, and to better understand when to make investments in product development and/or facilities.

Image source: "Electric Vehicle Outlook 2018 | Bloomberg New Energy Finance." Bloomberg NEF, 2018, about.bnef.com/electric-vehicle-outlook/#toc-download

