

INNOVATION IN CIRCULAR ECONOMY

A chance for the Swiss Industry?

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How it began?



Sept. 2010 – Mai 2012

First circumnavigation of the world with solar energy

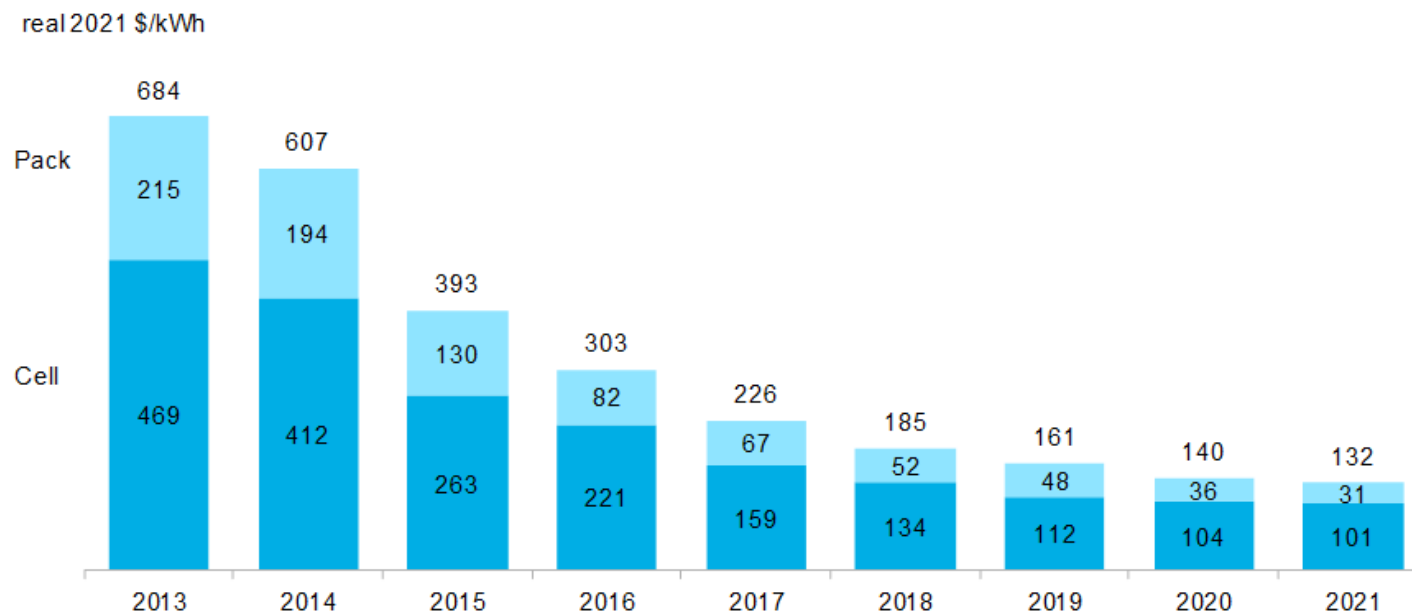
>60'000 km in 585 days



Battery implementation and prototyping

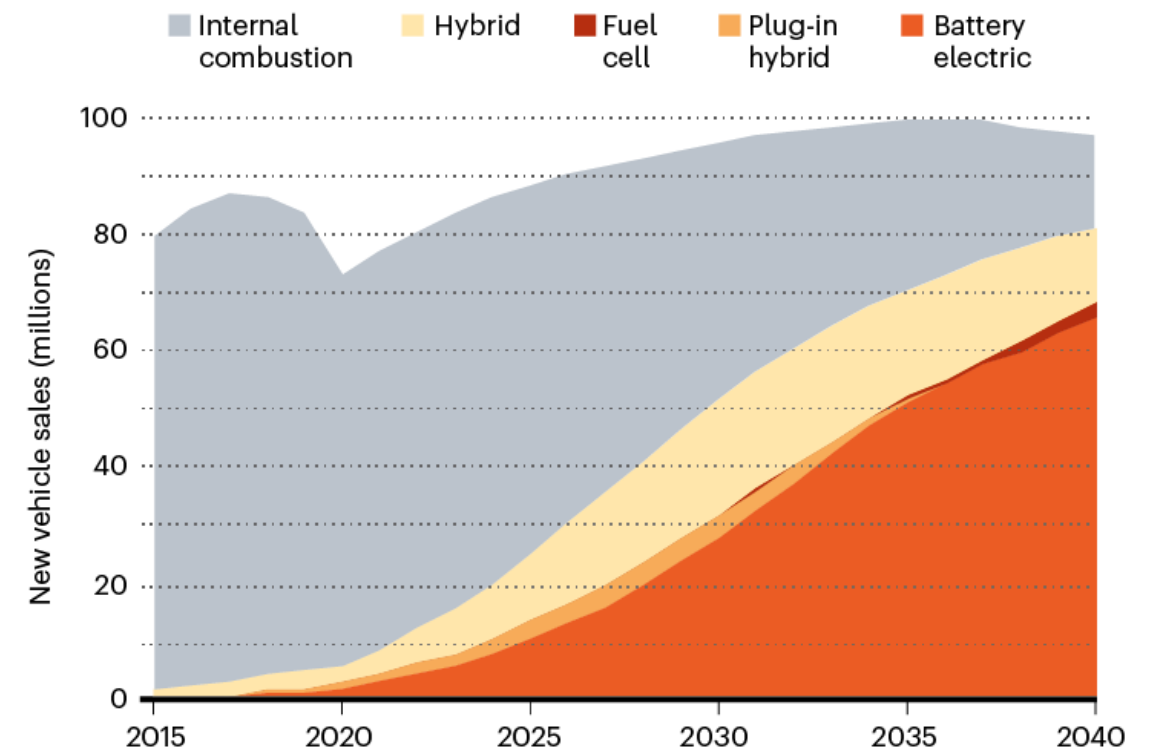


EV Invasion



GOING ELECTRIC

A forecast suggests that by 2035, more than half of new passenger vehicles sold worldwide will be electric, even without further policies to promote switching.

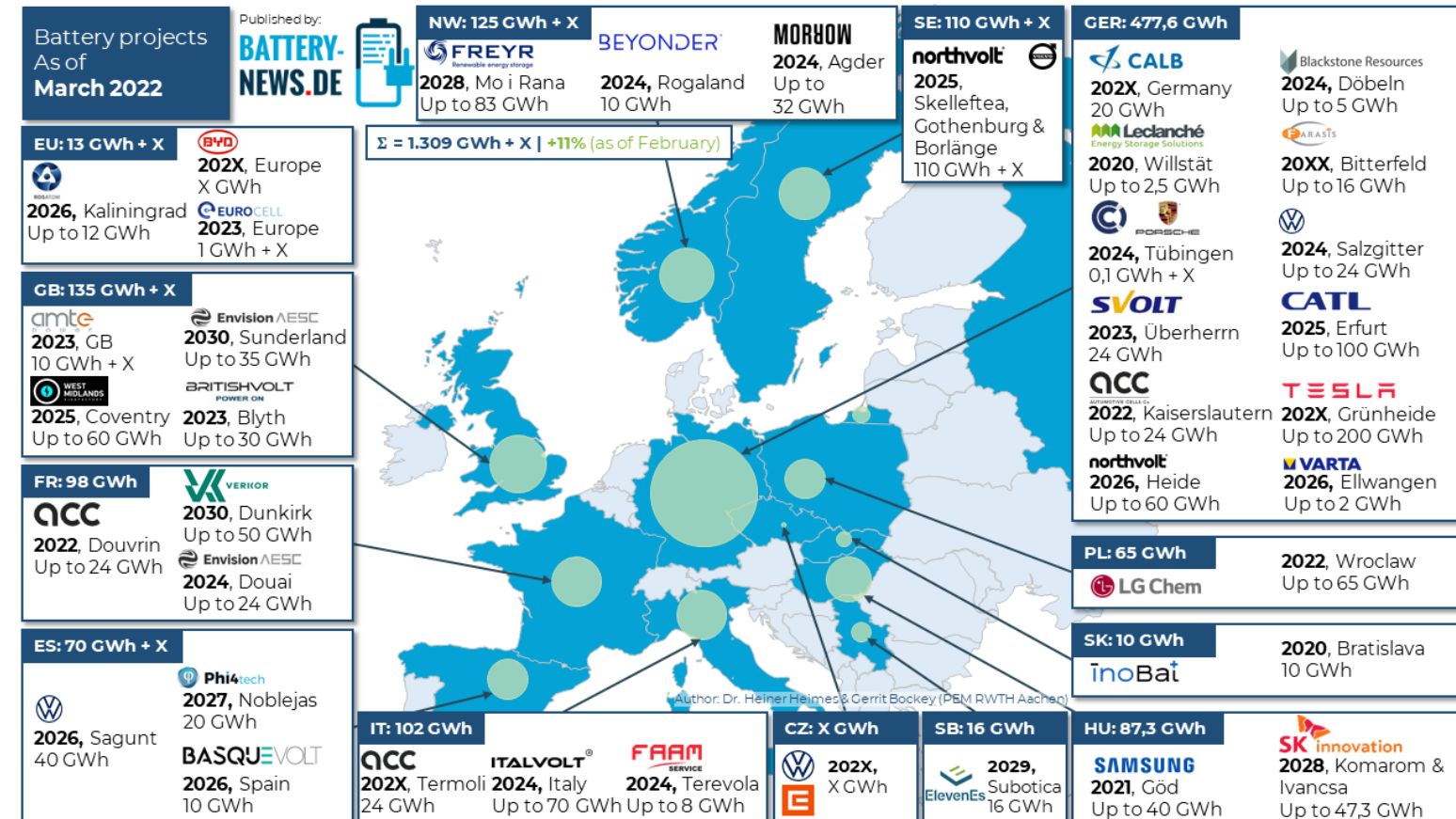


Rise of the Gigafactory

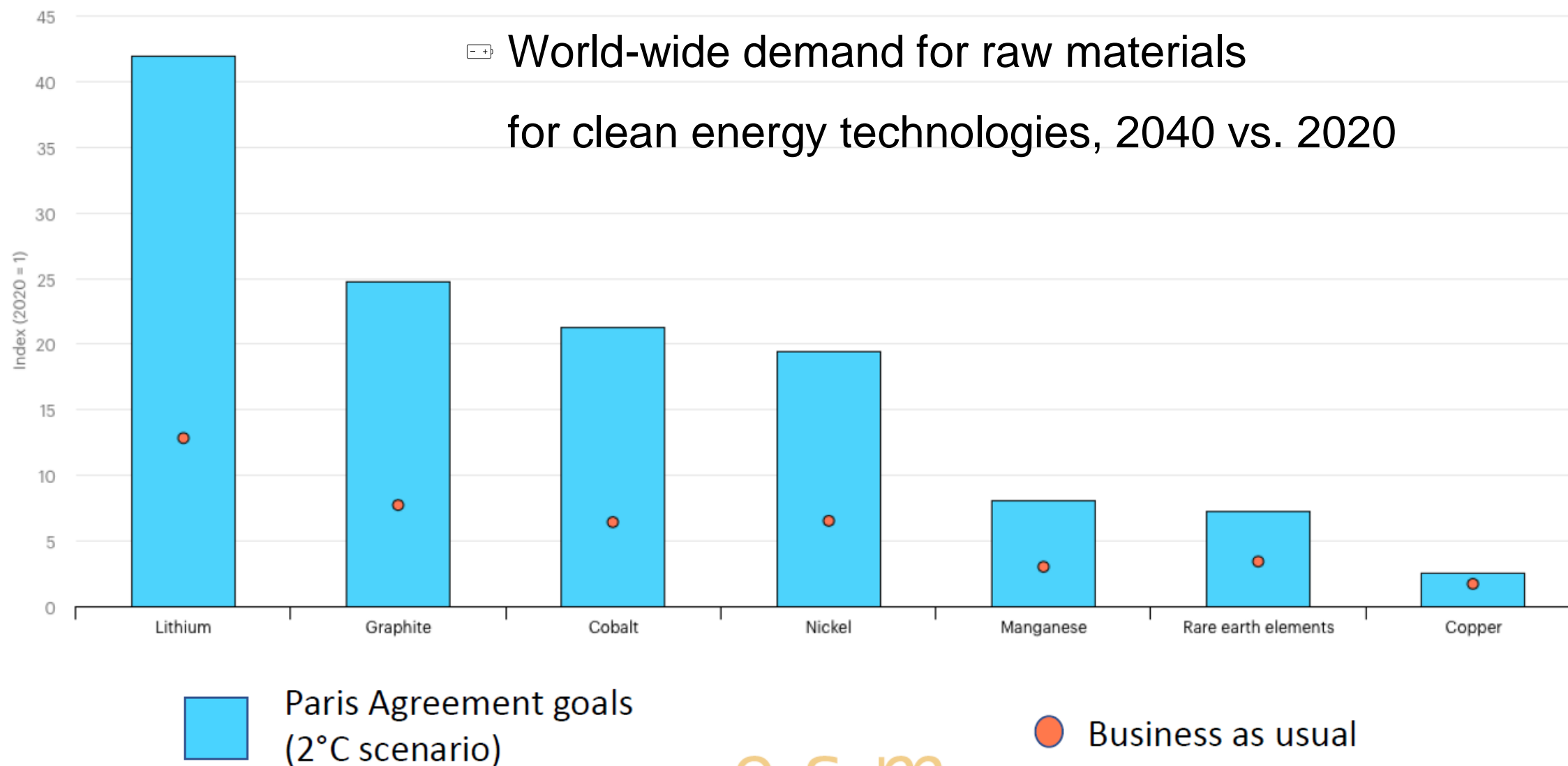
Keeping up with EV demand requires batteries...

Gigatonnes of batteries...

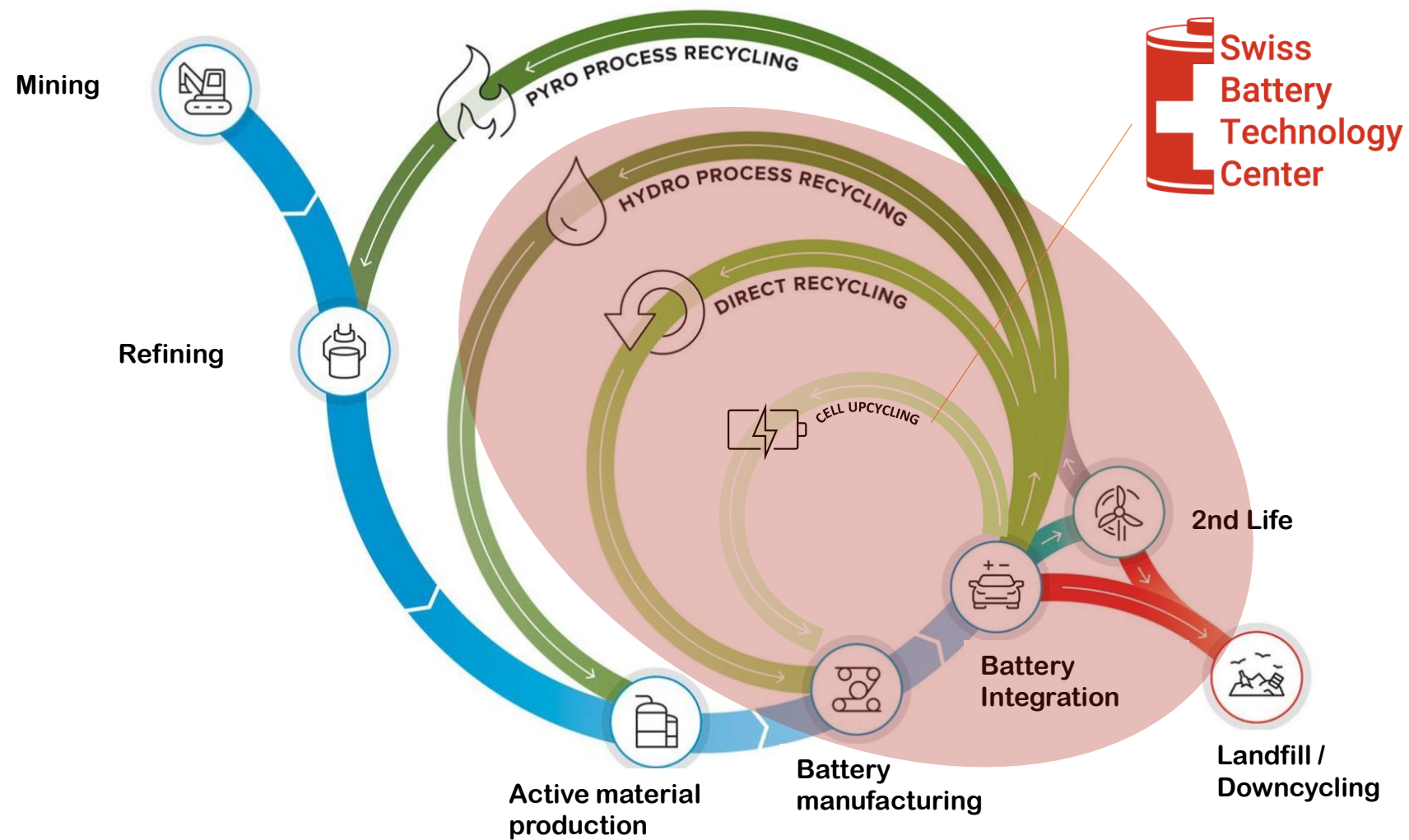
- The Tesla Gigafactory 1 in Nevada, USA is set to produce 35 GWh of batteries per year.
- Production will require at least as much weight in raw materials, relying on global supply chains



Future dependency

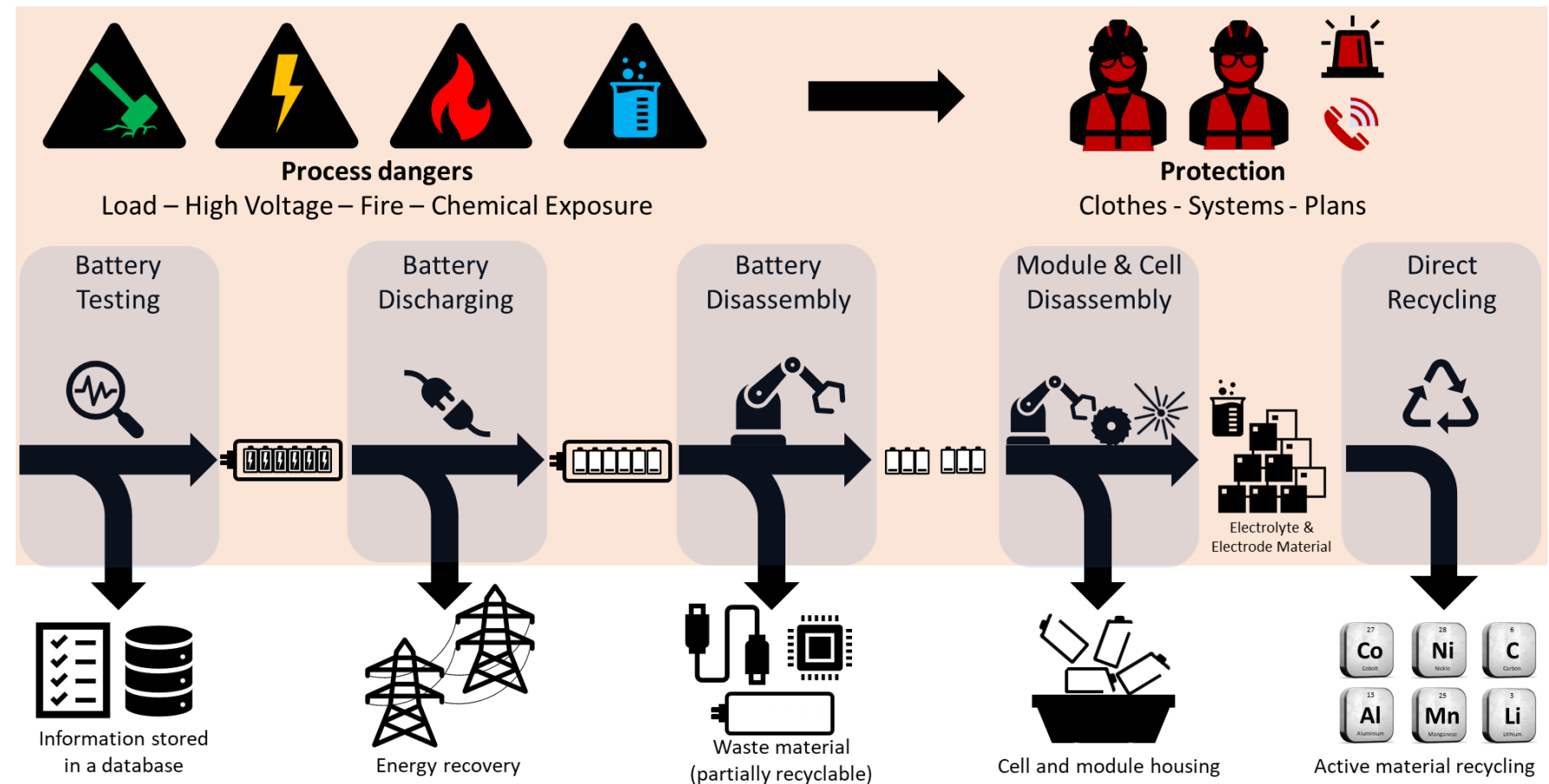


Focus on circular economy



Closing the loop – the test bench @SIPBB

- ➡ Battery pack testing & sorting
- ➡ Battery discharge
- ➡ Battery pack demanufacturing
- ➡ Battery module and cell
- ➡ Battery recycling
 - ➡ Direct recycling
 - ➡ Hydro metallurgic



An opportunity to seize for Switzerland!!

- ➡ Battery recycling and especially demanufacturing is still a small or almost inexistent market.
- ➡ The growth of this market is a no-brainer
- ➡ There is certainly an opportunity for the Swiss industry. However, it needs a test environment where experiments can be realized in the sense of open innovation and a lively exchange with experts is possible. It also needs a link to industry associations, because companies often don't know about a new market or understand the opportunity too late.
- ➡ **The Switzerland Innovation Park Biel/Bienne is the ideal partner to close this gap.**

BattREvision – The plattform for the Swiss industry



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Innosuisse – Schweizerische Agentur für Innovationsförderung



Are you with us?

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