

Alliance for **B**atteries **T**echnology, **T**raining and **S**kills 2019-2023

7. ročník konference čisté mobility – Loučeň, 17. 9. 2021

Lukáš Folbrecht, projektový manažer ALBATTS
Sdružení automobilového průmyslu

Potřeba baterií ve světě



Zdroje:

TF Education and Skills position paper, Batteries Europe – European Technology and Innovation Platform, 11/2020

Future Expert Needs in the Battery Sector, Fraunhofer and EIT Raw Materials, 3/2021



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Příklad „Gigafactory“ 32 GWh



2 900–5 800 **přímých** prac. míst
+ 3.7–7.5 x více **nepřímých** prac. míst

=

potřeba **stovek tisíc** kvalifikovaných pracovníků

(v následujících 5–10 letech)



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Projekt ALBATTs

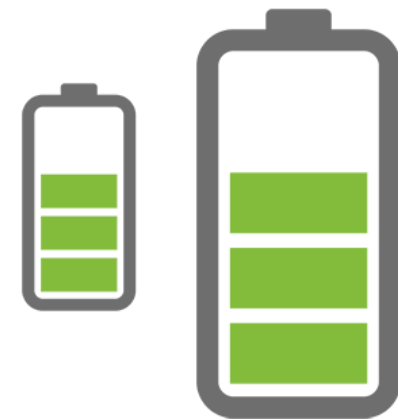


Alliance for Batteries Technology, Training and Skills (2019-23)

- ⚡ Analýza trendů a **potřeb** (desk research, webináře, dotazníky)
- ⚡ Návrhy úprav **vzdělávacích** systémů



- ⚡ Zajištění **kvalifikovaných** pracovníků



Partneři ALBATTIS



300+
registrovaných
„stakeholderů“

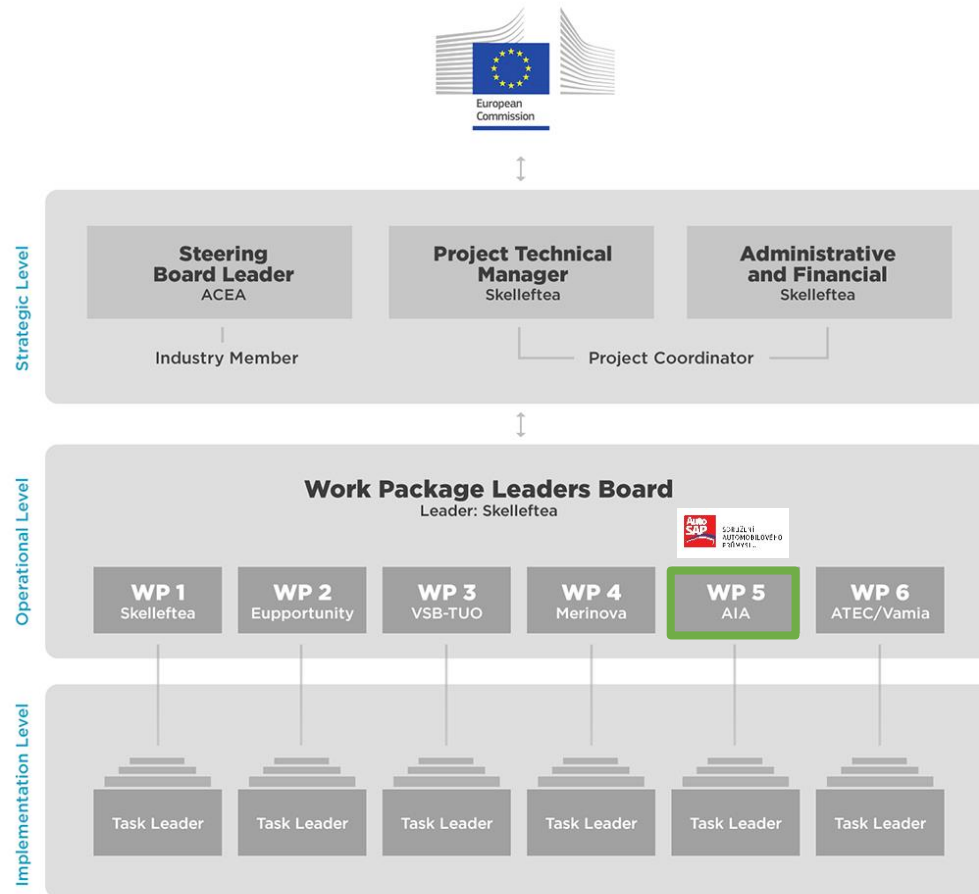
Dozorčí rada ALBATTs



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WP5: Baterie v mobilních zařízeních



SDRUŽENÍ
AUTOMOBILOVÉHO
PRŮMYSLU



European
Automobile
Manufacturers
Association



ASOCIAȚIA PRODUCĂTORILOR ȘI
IMPORTATORILOR DE AUTOMOBILE



UNIVERSIDADE
DO PORTO

northvolt®



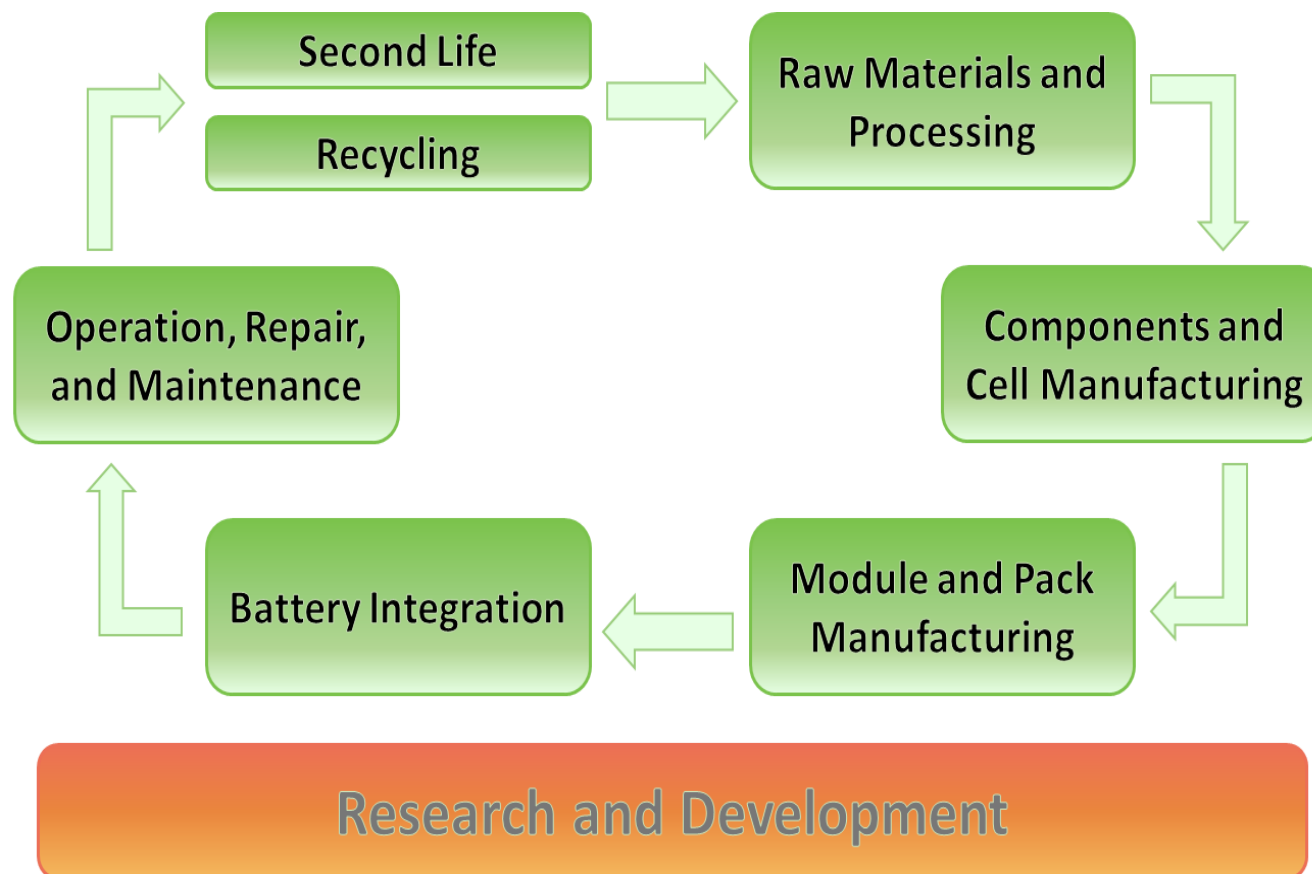
Corvus  Energy



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Pokrytí hodnotového řetězce



Webináře ALBATTs: Leden 2021



Alliance for Batteries Technology, Training and Skills

webinars

MORE INFORMATION: <https://www.project-albatts.eu/>

automotive

January 27th 2021
14 – 15:30 CET

stationary

January 26th 2021
15 – 16:15 CET

maritime

January 19th 2021
13 – 14:30 CET

battery
manufacturing

January 20th 2021
10 – 11:30 CET

Interview ALBATTs







European Battery Ecosystem:
Job roles & competences now and in
the future:
Building a Gigafactory

With Katarina Borstedt,
Director of Growth
@ Northvolt

15 September 2021
14:00-14:45 CET
Online

Záznam k dispozici na
<https://www.project-albatts.eu/en/listnewsevents>

REGISTRATIONS NOW OPEN



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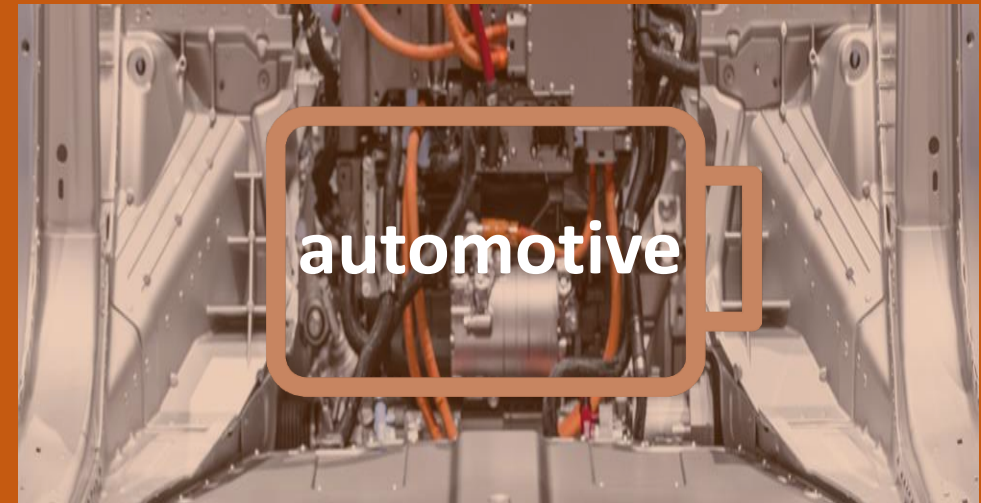
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WEBINAR

Servicing of electric vehicles - future qualifications needed

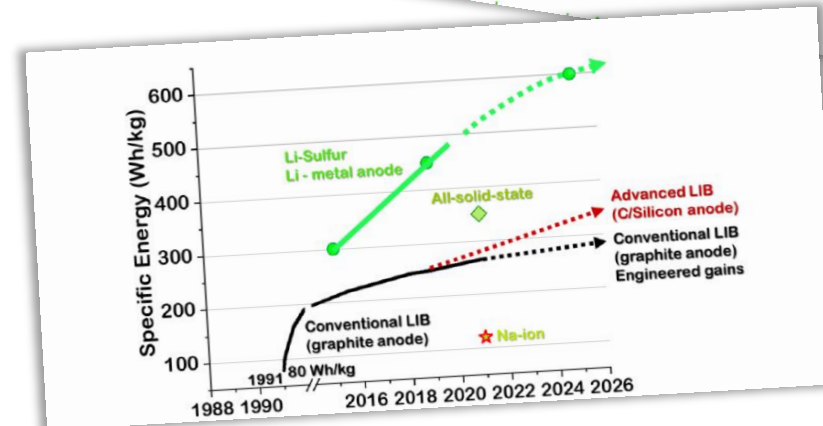
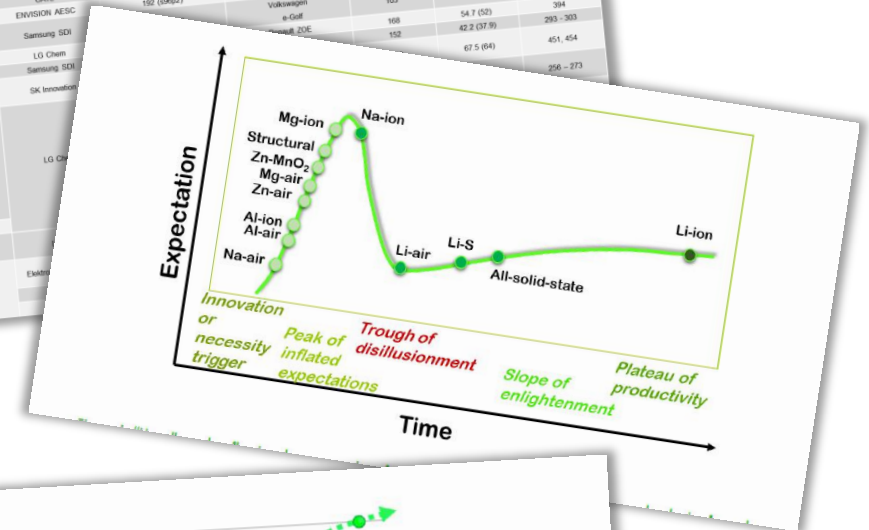
September, 29th 2021 - 10:00-11:30 CET



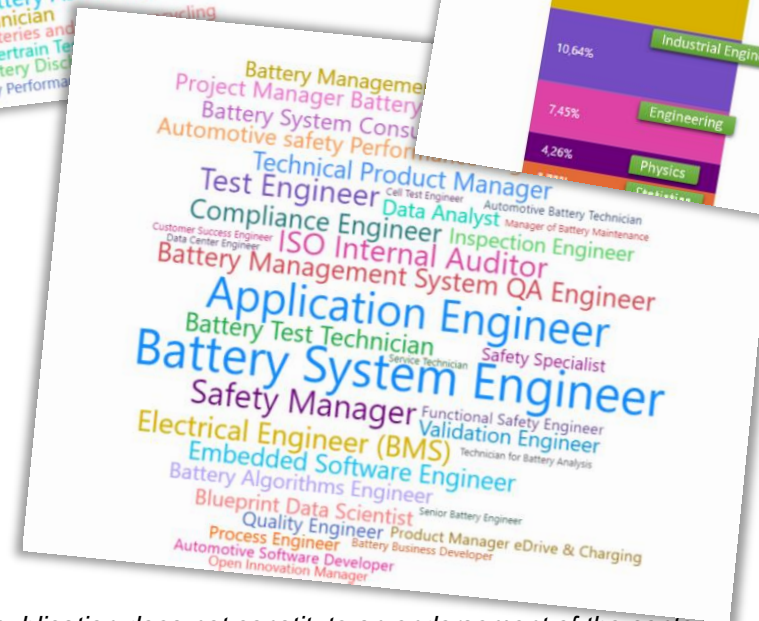
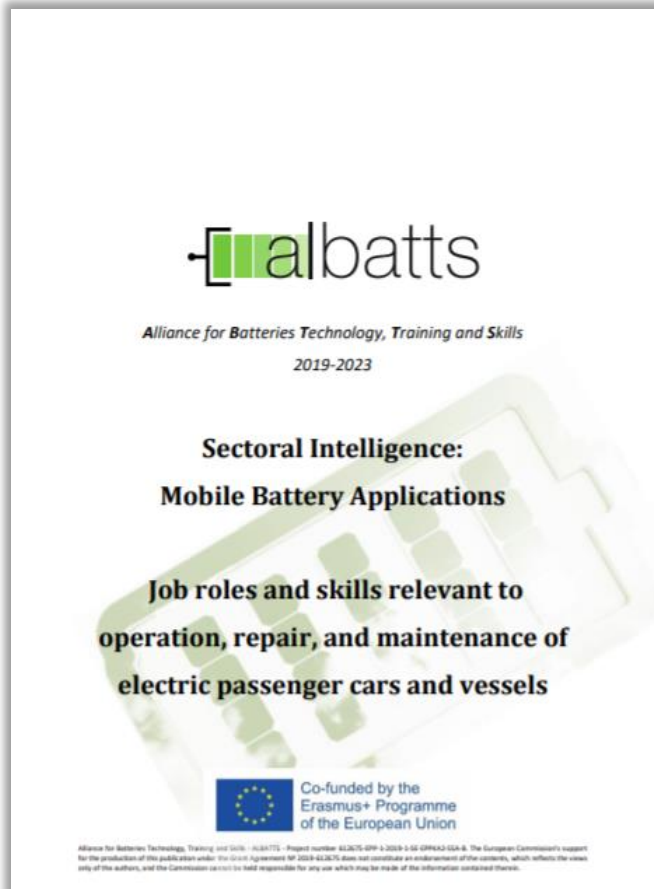
Výstupy: Desk research I. a II.



Cathode type	Ratio (R) or Cell designation (S)	Manufacturer	No. of cells (series, parallel)	EV Model	Specific Energy (Wh/kg)	Energy (usable) (kWh)	Range combined (WLTP values) (km)
Lithium Nickel Cobalt Aluminium oxide (NCA)	18050 (S)	Panasonic	8256 (100x96)	Tesla Model S	162	102.4 (98.4)	593, 487
	2170 (S)	Panasonic	4416 (100x96)	Tesla Model X	168	80.5 (78)	530
Lithium Manganese Oxide (LMO)	532 (R)	Yusaka	80	Citroen Zero (EV50 battery)	107	14.5	150
	333 (R)	Yusaka	288	Nissan Leaf e+	140	36 (46)	385
Lithium Nickel Manganese Cobalt oxide (NMC)	721 (R)	LG Chem	216 (100x2)	Porsche e-208 Opel Corsa-e	130	39.5 (38)	349, 336
	602 (R)	LG Chem	192 (100x2)	Nissan Leaf	103	35.8 (32)	270
Lithium Cobalt Oxide (LCO)	721 (R)	SK Innovation	192 (100x2)	Volkswagen e-Golf	168	54.7 (52)	394
	602 (R)	SK Innovation	192 (100x2)	Volkswagen e-Golf	152	42.2 (37.9)	293 - 303
Lithium Iron Phosphate (LFP)	602 (R)	SK Innovation	192 (100x2)	Volkswagen e-Golf	152	67.5 (64)	451, 454



Výstupy: Sectoral Intelligence I.



Zapojte se do projektu!

Registrace „stakeholderů“ na
www.project-albatts.eu

LinkedIn



Děkuji za pozornost!

E-mail: folbrecht@autosap.cz

