Funded by the
European Commission
Grant No 769900

DEMOBASE

DEMOBASE Periodic Review 2 (M19 – M38)
online, December 10th , 2020

WELCOME AND OVERVIEW DEMOBASE

Philippe Desprez, SAFT

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Welcome

DEsign and MOdelling for improved BAttery Safety and Efficiency

- DEMOBASE -

Responding to the call:

EU HORIZON 2020-GV-2017, Green Vehicles

"Multi-level modelling and testing of electric vehicles and their components"

Overall EU Funding:	7,451,520.00 EUR
Project Start:	01.10.2017
Duration:	3 Years
Project Consortium:	11 Partners from Industry and Science, 3 SME
Project Coordinator:	SAFT SAS

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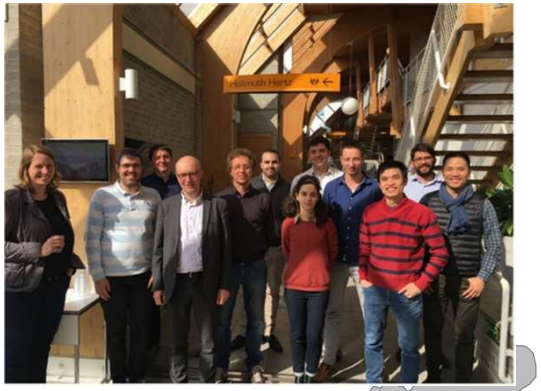
Project Partners



Lund, April 2018 :

Clustering event with

HIFI-ELEMENTS /

OBELIX Projects

Munich, nov. 19

Torino, March 19

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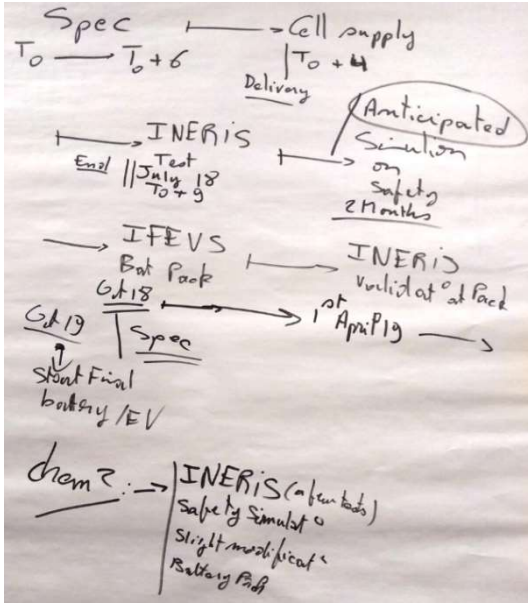
Partners Commitment

Close collaboration between partners, duscussing deep in details on key points

Paris, Oct 2017.

Paper board during kick-off meeting on cell supply



H2020 EC DEMOBASE 2017-2020

WP2
T2.3/T4.4
Card
2.3.b/4.4

INPUT from Partners:
- INERIS: Abuse tests results Gen3 — Jul. 18
- INERIS: Abuse tests results SiOx — Apr. 19

START: To+10 (August 2018)

OWNER: ACC

ACTION: Vehicle model including recycling
RESSOURCES: ACC (22+16 PM)
DELIVERABLE:
- D2.3.k Report on DEMOBASE model and simulation approaches: recycling — Apr. 19
- D2.4.k Report on DEMOBASE model and simulation implementation: recycling — Jul. 20
- D4.5 Report on EV recycling — Oct. 19

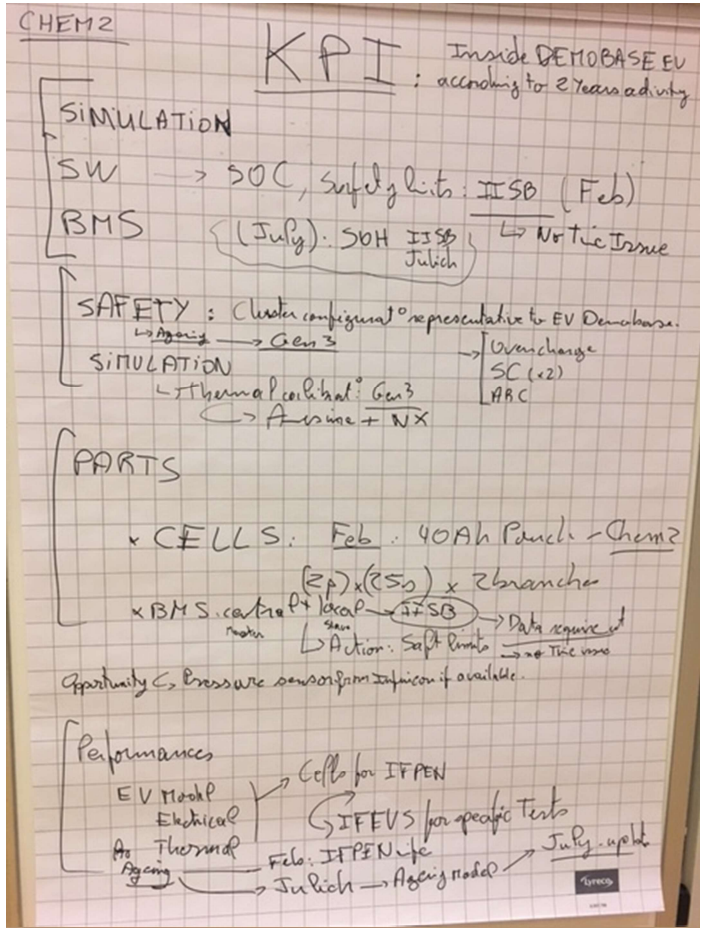
CHECKER: SAFT

END: To+33 (July 2020)

OUTPUT to Partners:
- None

Activity implementation by Action Cards

Paper board, KPI definition.



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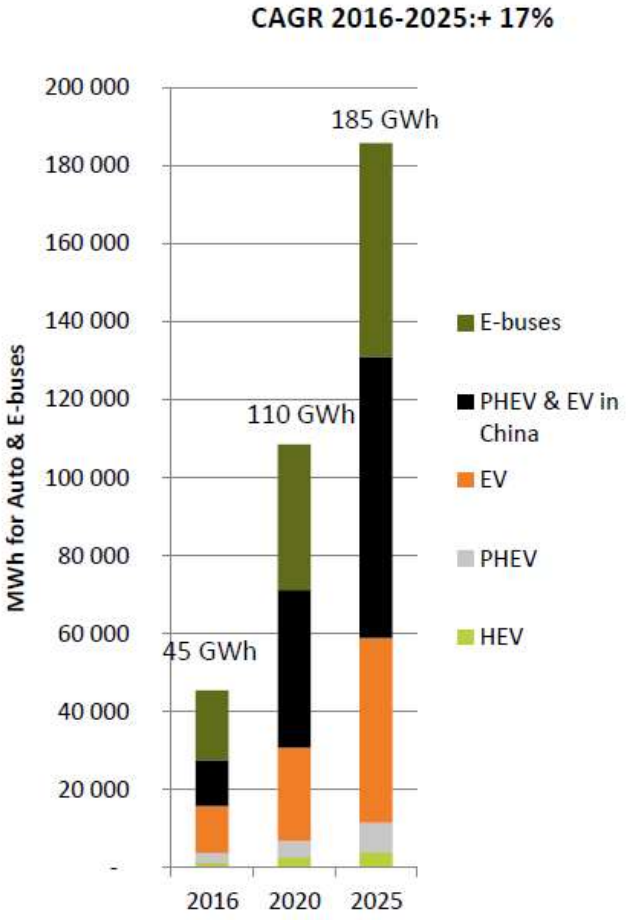
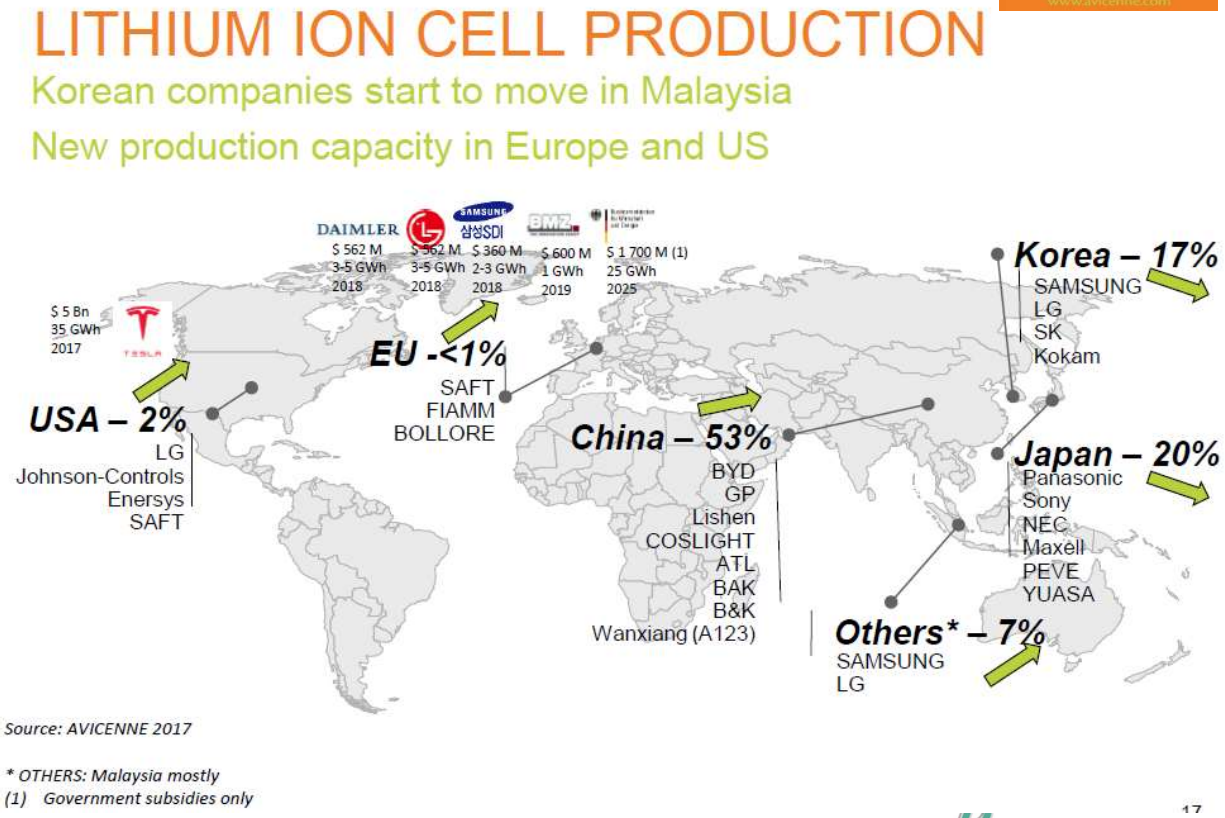
Context for DEMOBASE

Latest news**, sept. 2017





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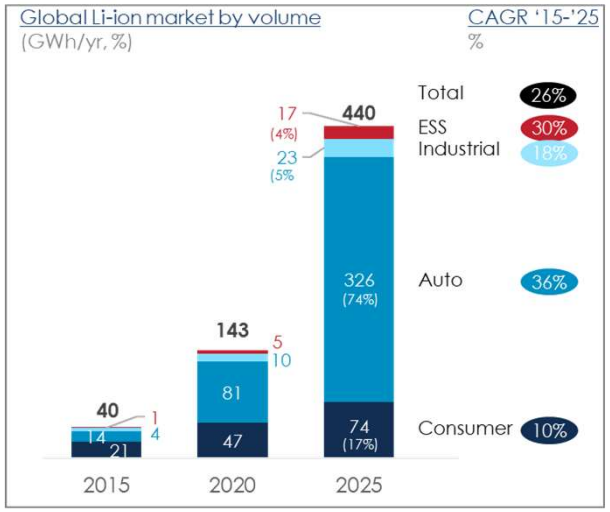
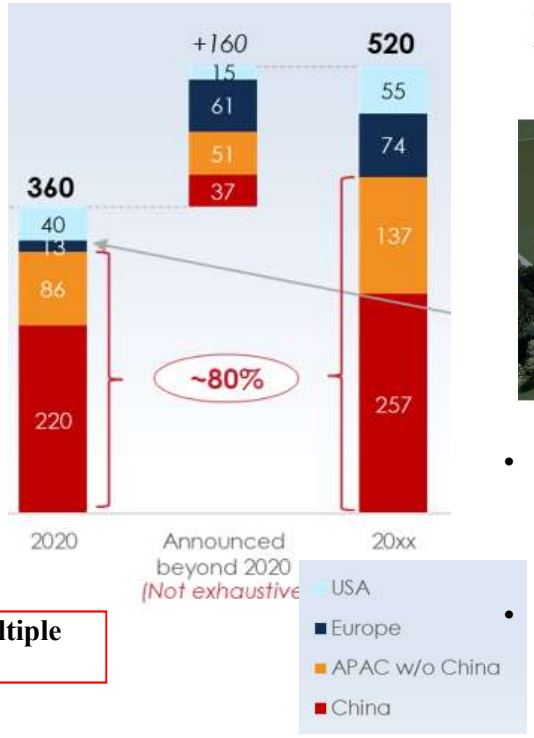
Context for DEMOBASE

Strong Li-ion market growth (in volume) from 2015 to 2025, driven by automotive



Worldwide Li-ion manufacturing capacities by geography (GWh/yr)



SOURCE: Saft internal analysis, based upon multiple interviews & market studies (2018)

Fast EU BEV growing market and Lithium-ion based cell production, faster than predicted:

185 GWh 2025 WW => 440 GWh 2025WW => 400 GWh 2030 Europe

Sept. 2020

Press release :
Groupe PSA and Total create "Automotive Cells Company", a joint venture dedicated to the manufacture of batteries in Europe
Paris, September 3, 2020

- Develop production capacity, essential to accompany the growth demand for electric vehicles in a European market estimated at **400 GWh by 2030**, i.e. 15 times the current market.
- Ensure industrial independence in Europe for the conception and manufacture of batteries, with an initial capacity of 8 GWh, reaching a cumulative capacity of 48 GWh on both sites by 2030. It will represent 1 million electric vehicles produced per year, i.e. more than 10% of the European market.

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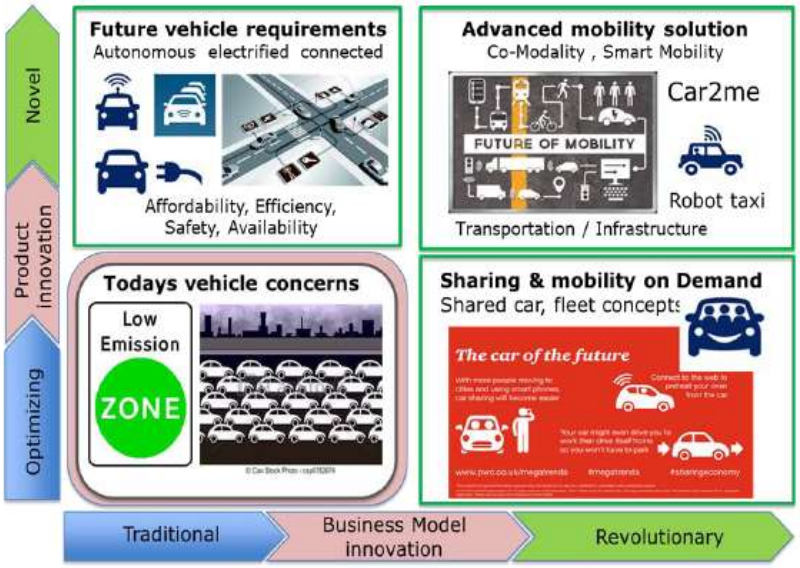
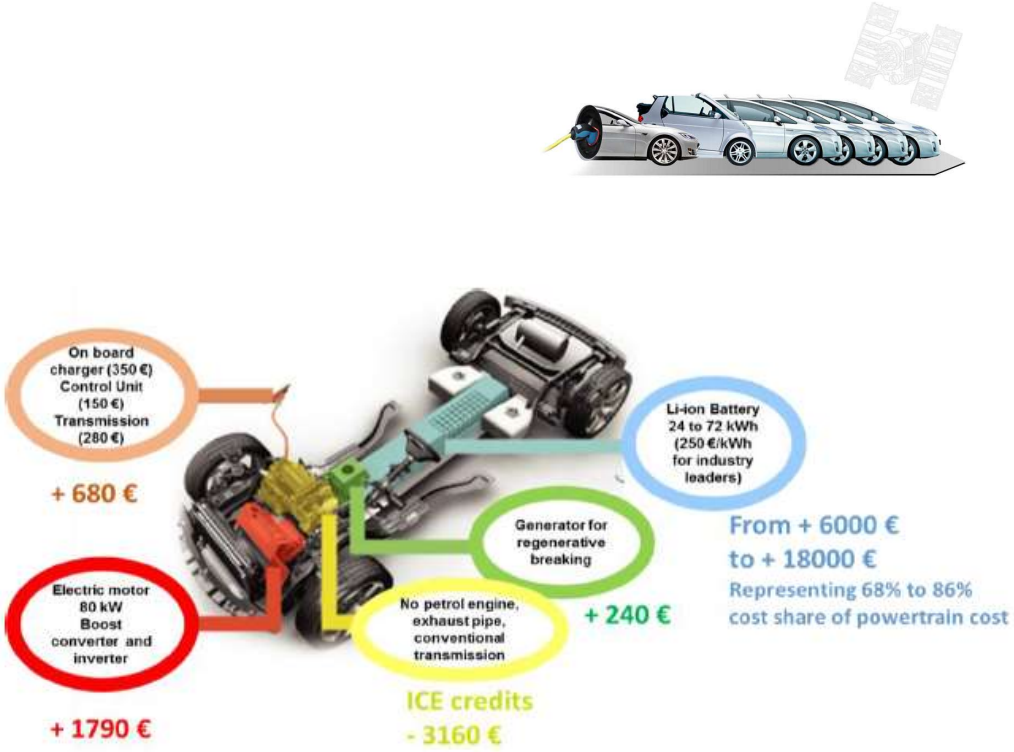
Motivation for DEMOBASE

Development of electric mobility is driven by **drastic cost reductions, higher performaces and improved availability to support new business models** (autonomous driving; new vehicle fleets…)





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Results will follow…