

INGEGNERIA R&D 2018

La Ricerca vista da vicino

11.05.2018





What is LIFE_SC

- A demonstration project funded by the EC LIFE+ Programme
 - Located in Silver Coast
 - With a budget of about 5 mln €
 - From July 2017 to June 2021
 - Coordinated by «Sapienza» University of Rome (DIET/POMOS)
 - In partnership with: Orbetello, Giglio, Monte Argentario, ENEL, GreenAction, Newave, UNIFI, Primordial, UNeed.IT



Objectives of LIFE_SC

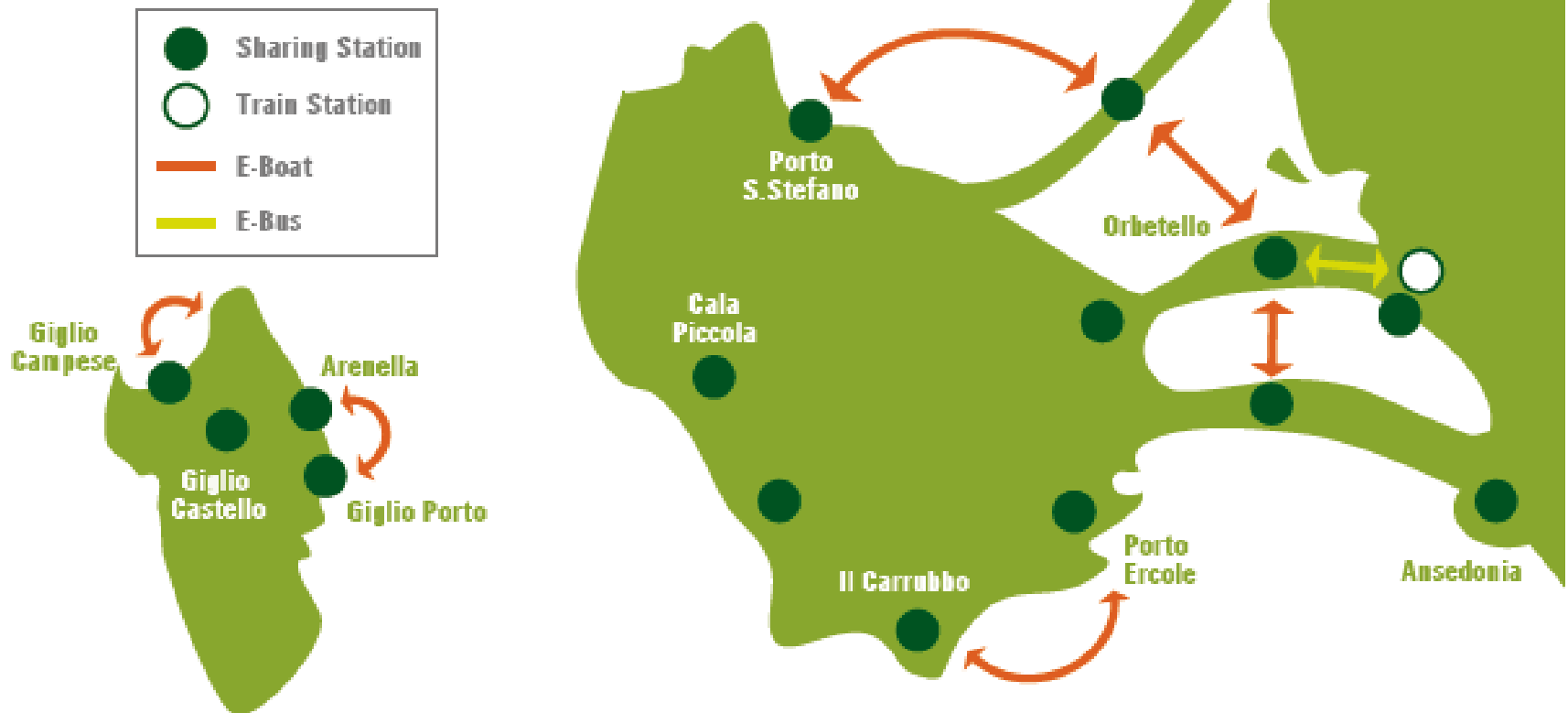
- Developing a Sustainable Touristic Mobility framework in Silver Coast
- Integrating benefits of public transport with that of individual mobility
- Encouraging end-users to access to integrated mobility services
- Final aim: to demonstrate that implementing these services can significantly impact the environment
 - i.e. To reduce pollutant emissions

LIFE_SC methodology

- Planning, designing, implementing and monitoring integrated electric mobility services
 - Shuttle bus
 - Car / Scooter / Bike sharing
 - Electric boats
- Including also some innovative prototype
 - eBoats
 - e-Hub
 - Innovative long-lasting batteries
 - An integrated web-platform for mobility management

LIFE_SC in a figure

Example of Mobility Services Localisation

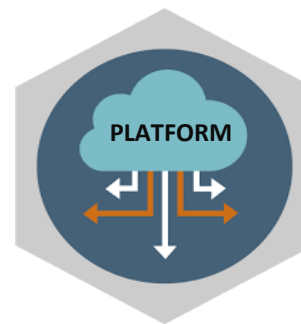
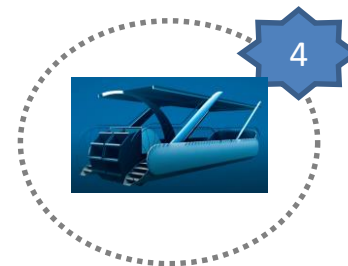


Type of electric mobility services

MOBILITY SERVICE	TYPE OF SERVICE
Car-Sharing	Free Floating (with incentives)
Scooter-Sharing	Free Floating (with incentives)
Bike-Sharing	Point to point (bike taken from an eHub)
Shuttle bus	From train station to city centre
Battelli elettrici	Round trip service

LIFE_SC vehicles

eHub 360°



LIFE_SC vehicles





Classe Valentino - VALENTINO I a Orbetello e all'EUR



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**REGIONE
LAZIO**



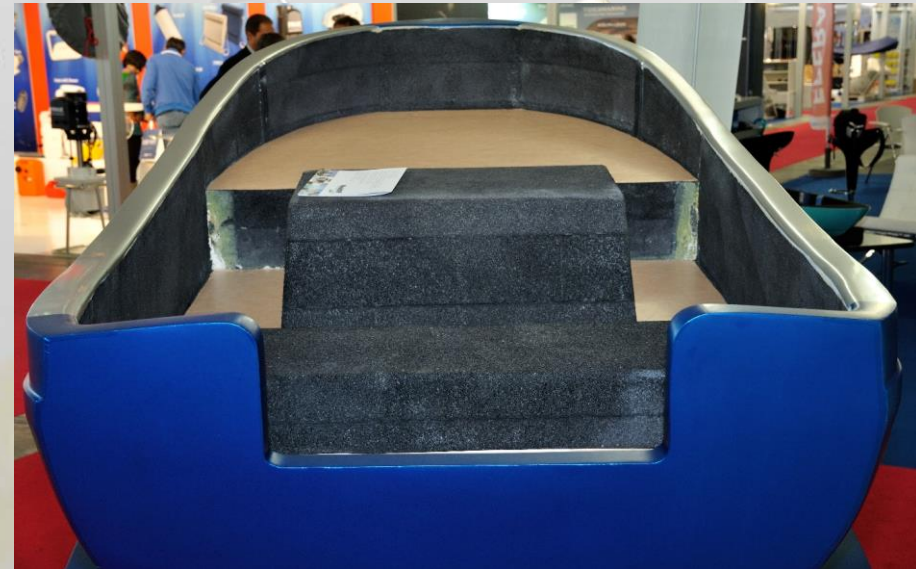
POLO MOBILITÀ SOSTENIBILE
Regione Lazio



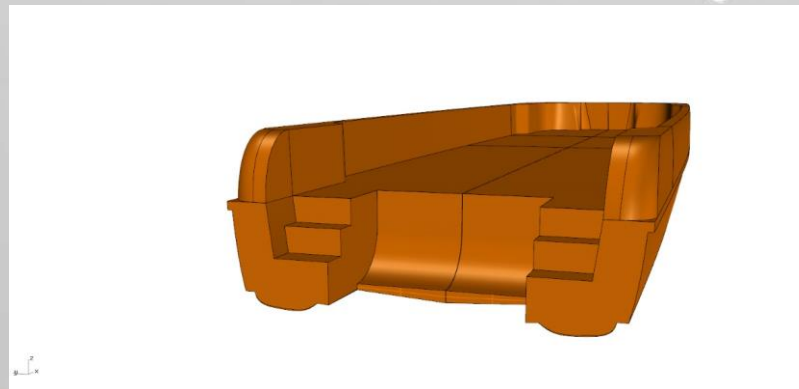
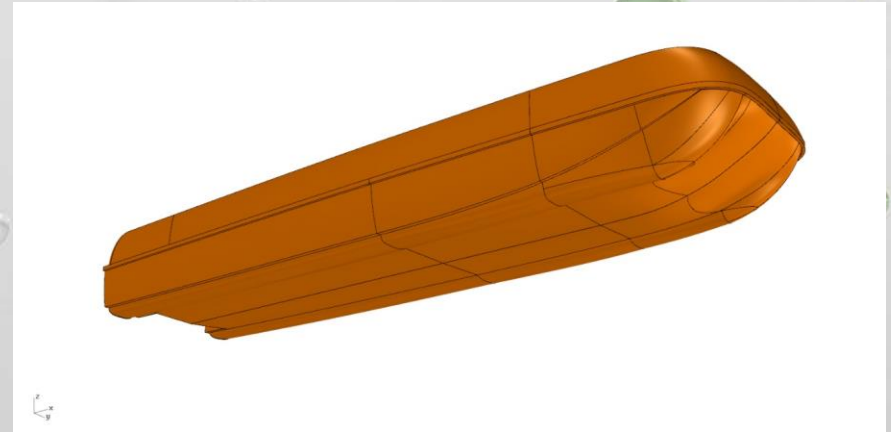
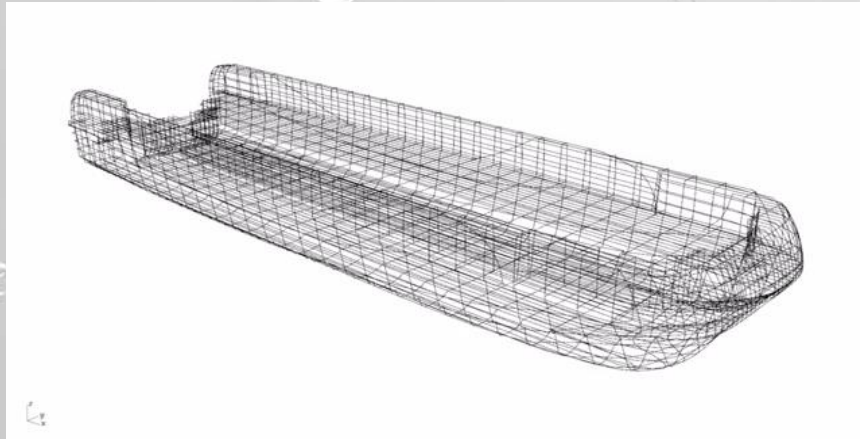
Classe Valentino - VALENTINO II, il modello in legno



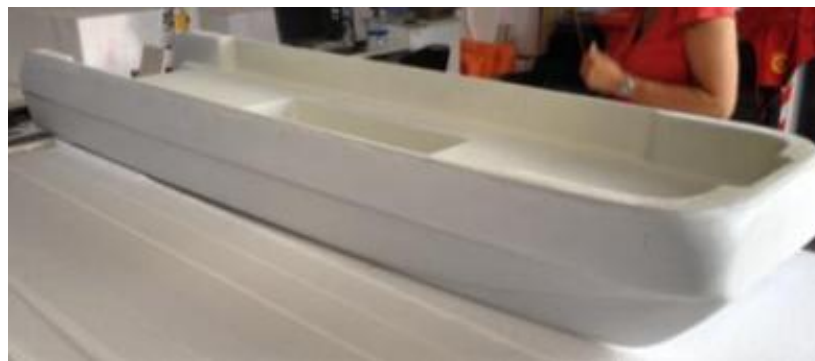
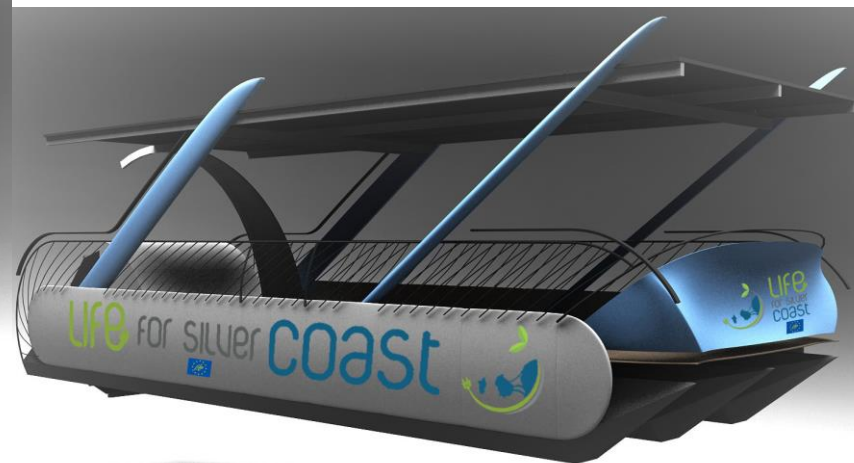
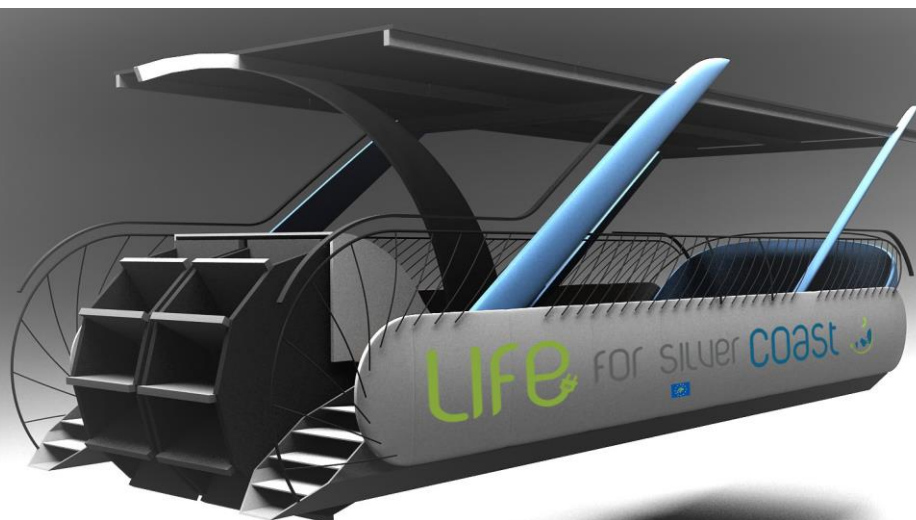
Classe Valentino – KELVET, il materiale innovativo



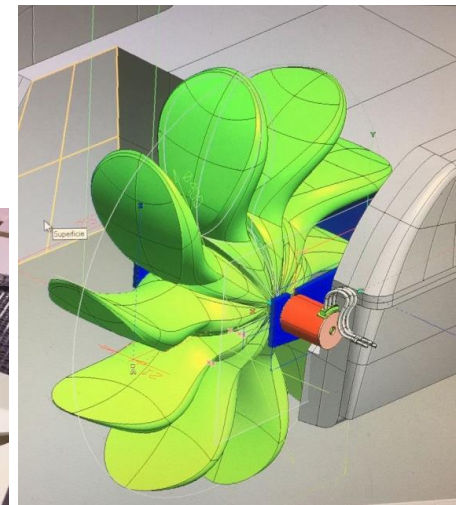
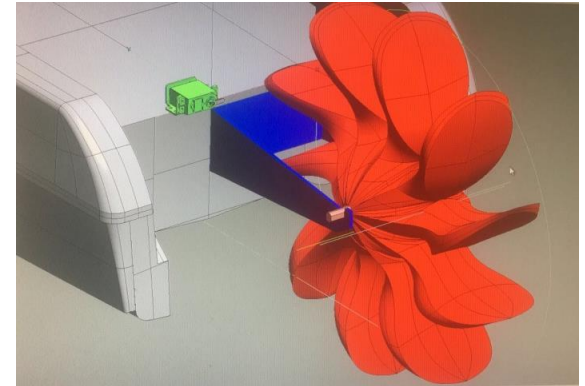
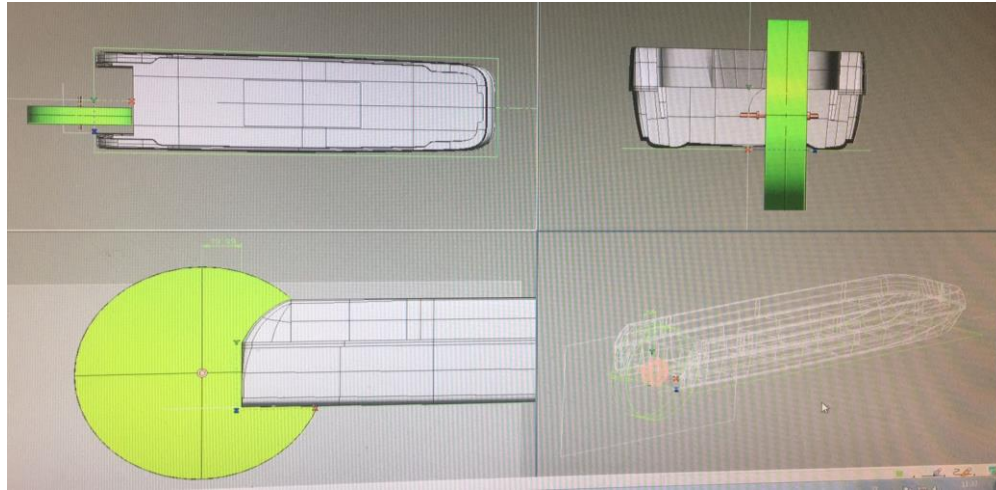
Classe Valentino - VALENTINO II, disegni esecutivi



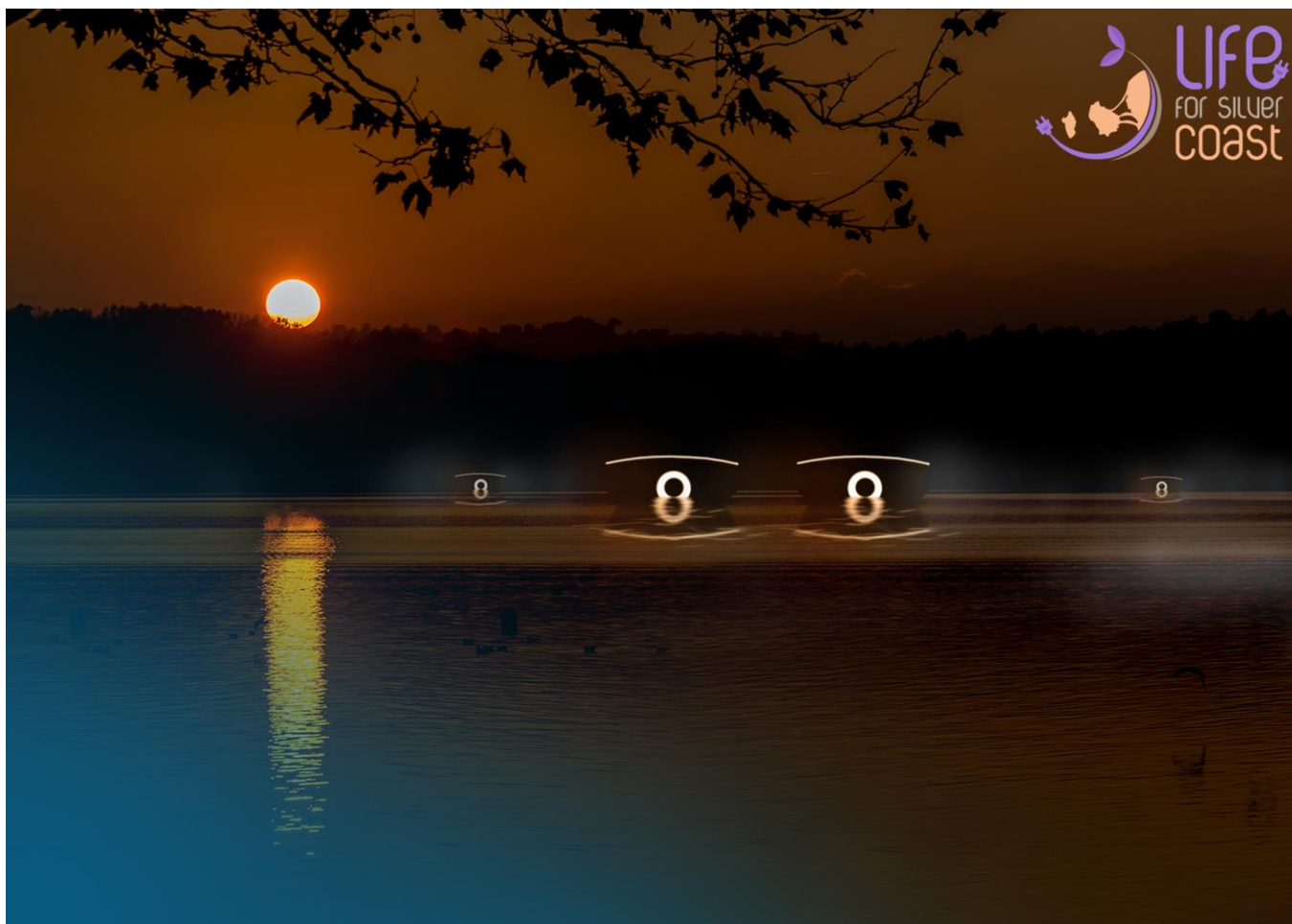
Battelli elettrici: VALENTINO II



B1 – Battelli elettrici



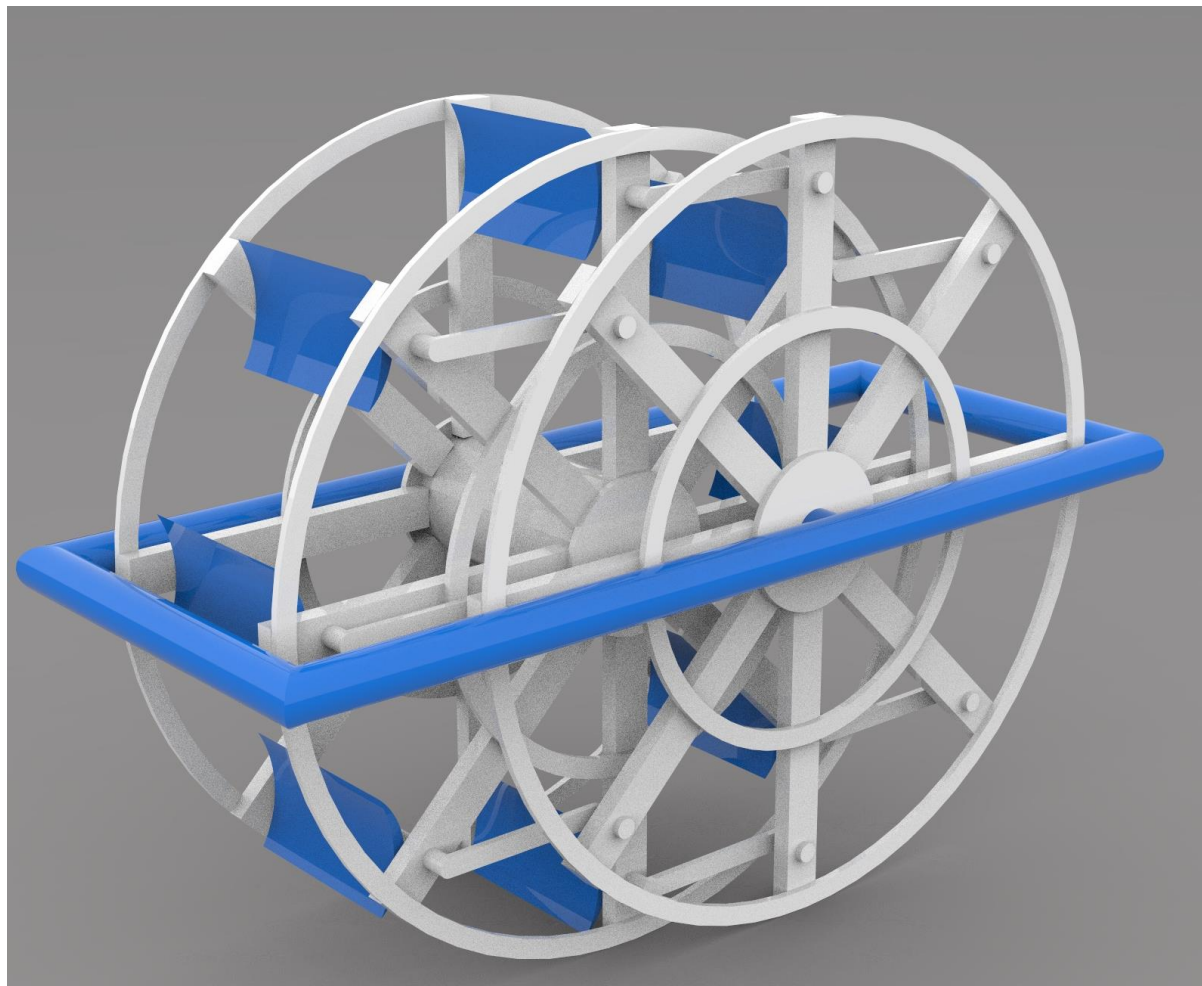
Battelli elettrici: VALENTINO III



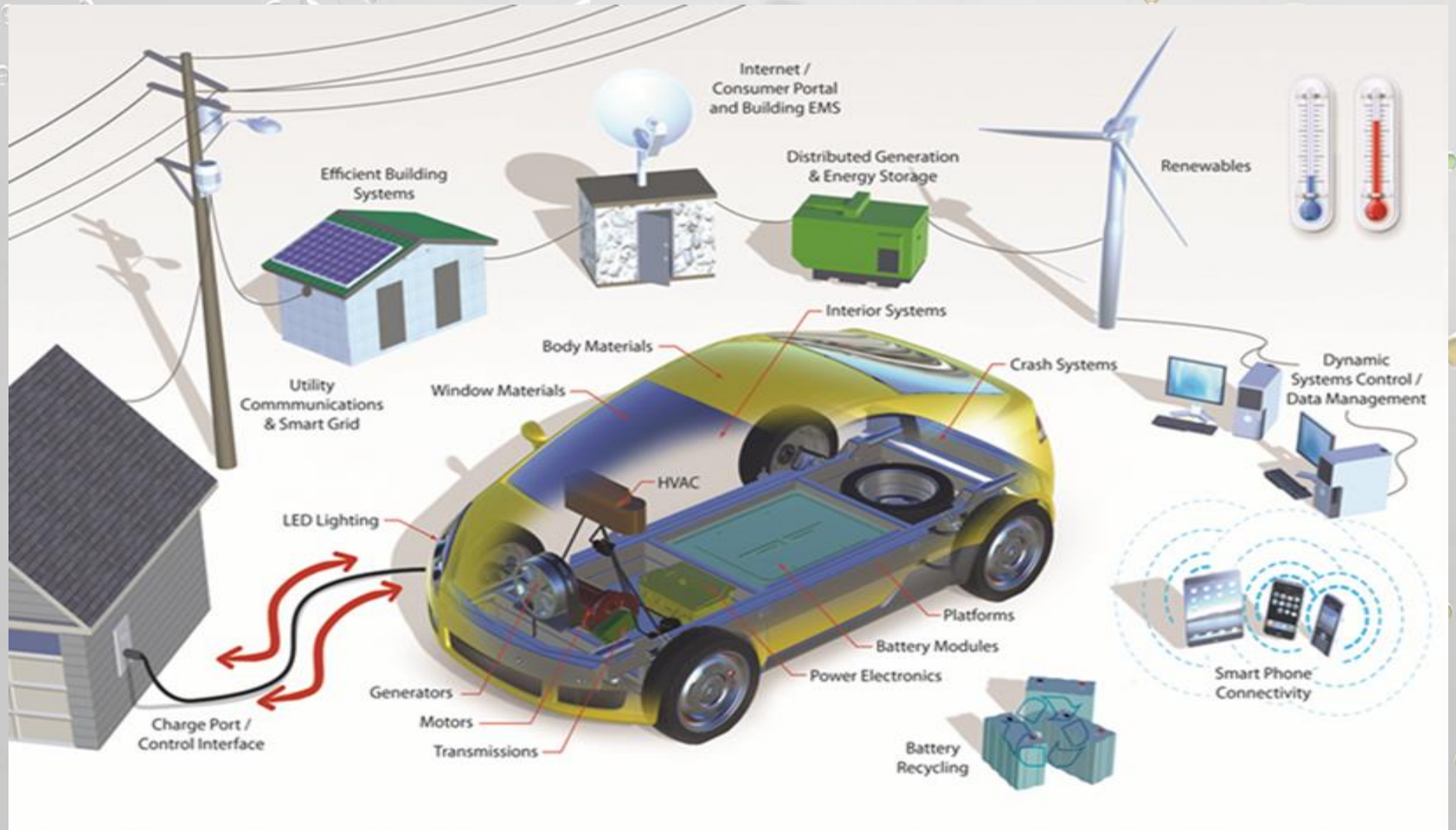
Battelli elettrici: RUOTA A PALE



Battelli elettrici: RUOTA A PALE



Mobilità ed Energia: Micro Grids – Smart Grids



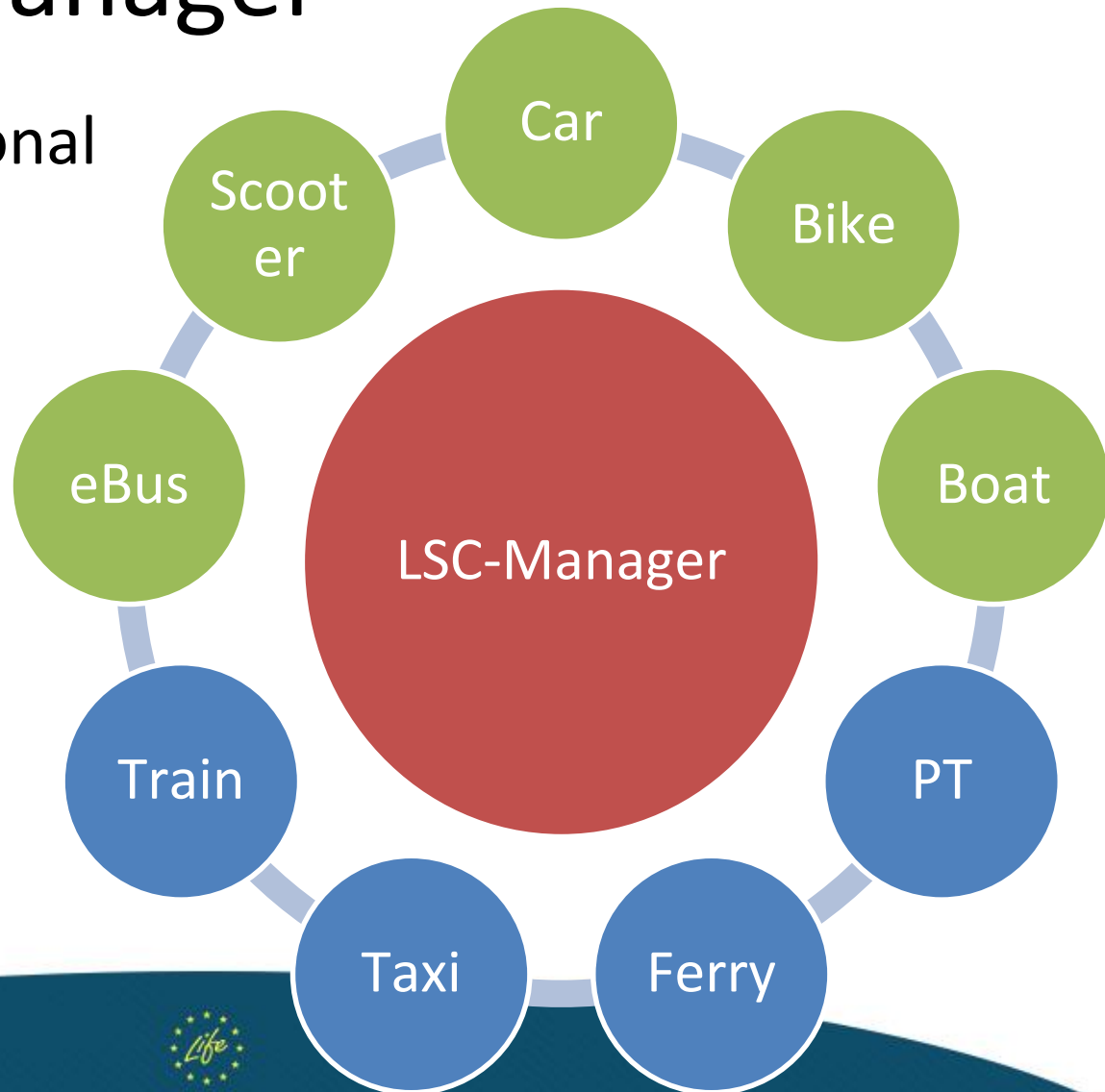
RICARICA VELOCE MICRO GRID

Impianto di ricarica veloce (ChaDeMo) e lenta
alimentato da energia rinnovabile
presso Aprilia.

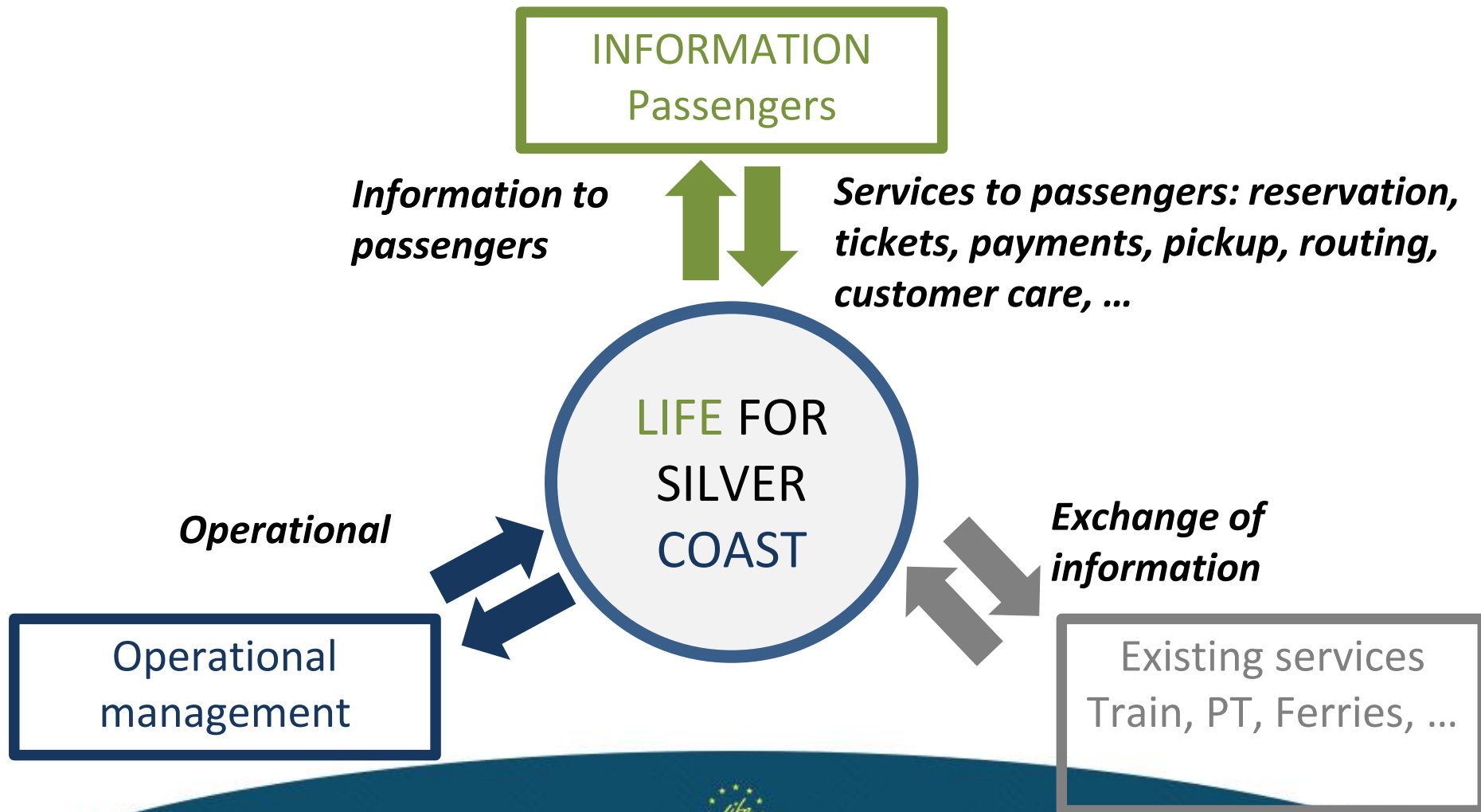


LIFE_SC manager

- Planning of traditional services & LIFE_SC services
- Information on:
 - Timetable, trip duration, costs, ...
 - Touristic sites, events, ...



LIFE_SC manager





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Monte Argentario



Comune di
Isola del Giglio



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LIFE
for silver
coast



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POMOS – HI-ZEV 2015



POMOS – HI-ZEV 2015



PICCHIO HI-ZEV



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