

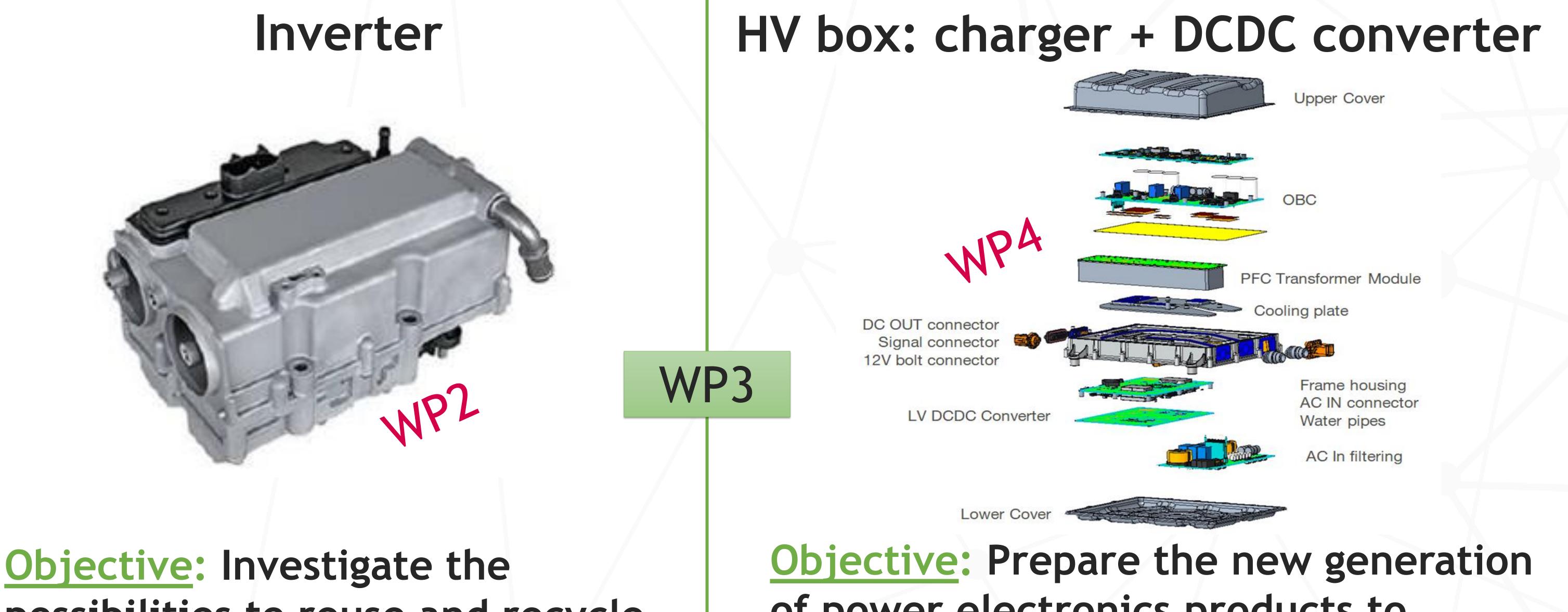


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UC 2 - Power Electronic products designed for reduced e-waste



Main objective: Investigate and quantify possibilities of ewaste reduction for power electronics products from automotive industry



possibilities to reuse and recycle a frozen product, not design for the reduction of E-waste

- Identify existing methods for repair and reuse (D2.6) Identify the recyclability of raw materials and the reuse of parts (D2.6)
- Define requirements and guidelines for ecodesign of HV project in

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of power electronics products to enhance the environmental footprint.

vilesco

TECHNOLOGIES

- Develop a design for repairability and second life potential (tool developed in WP3) (D3.3)
- → Identify 2nd life potential thanks to modularity and standardization (D4.6, D4.7)
- Implement new technologies to reduce PCB's size (smart SiC, Wide Band Gap, interconnections) (D4.3)

automotive (D2.6)

Evaluate concepts for health and condition monitoring for PCBs, substrate and HV box lifetime (D4.8, D4.9)

UC leader: Vitesco Partners: SOITEC, SPHEREA, IFAT, INP-Gre, AT&S, Dassault Syst, WEECYCLING, PREMO, CEA

