



Vrije
Universiteit
Brussel



Sanfélix J.¹, Messagie M.¹, Coosemans T.¹, Van Mierlo J.¹, Alves A.²

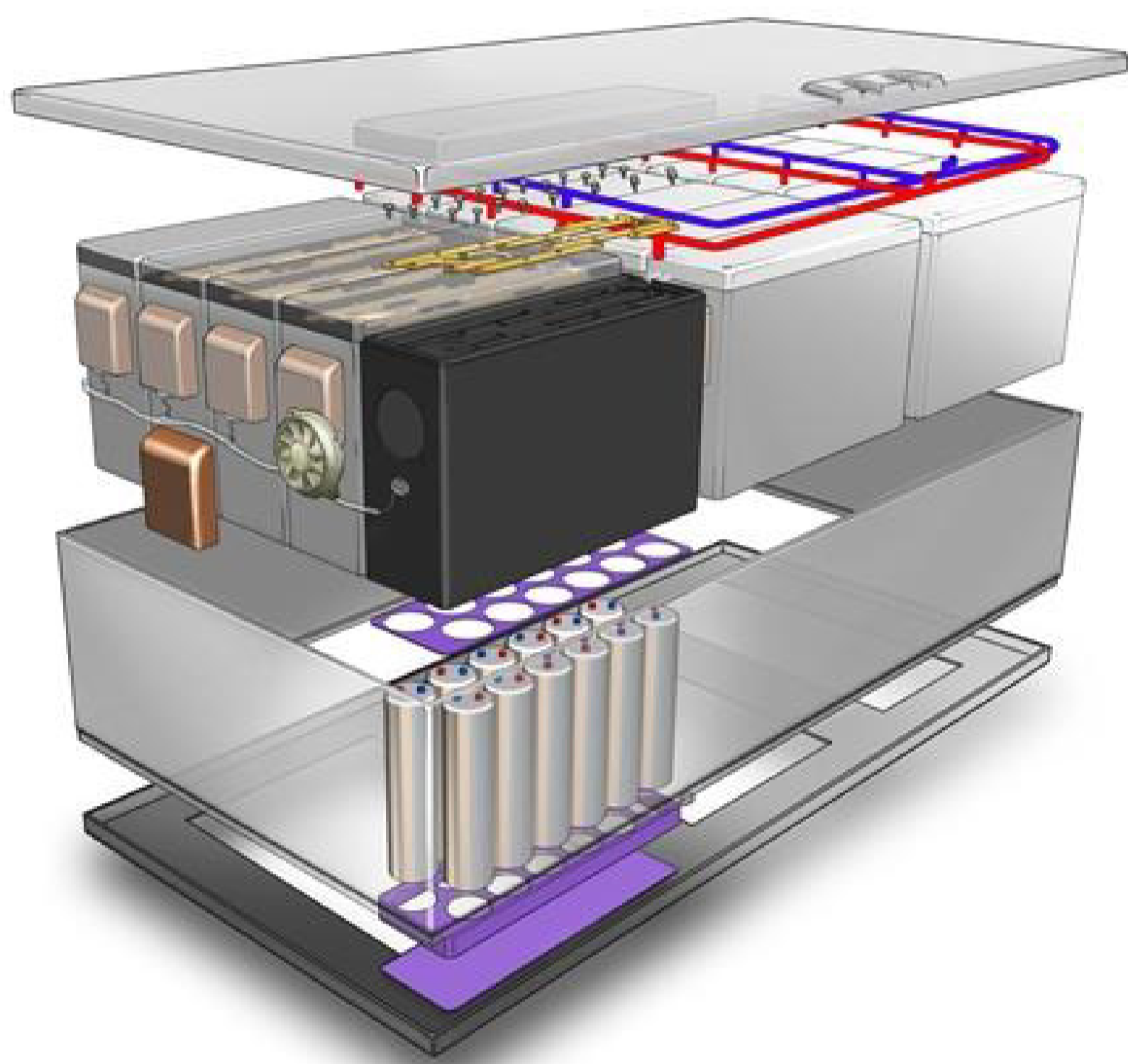
(1) Vrije Universiteit Brussel
MOBI – Mobility, Logistics and Automotive Technology Research Centre
Pleinlaan 2, 1050 Brussels, Belgium

(2) Mecaplast Group
Centre Technique de Lens

✉ jsanfeli@vub.ac.be ☎ +32 2 629 34 66

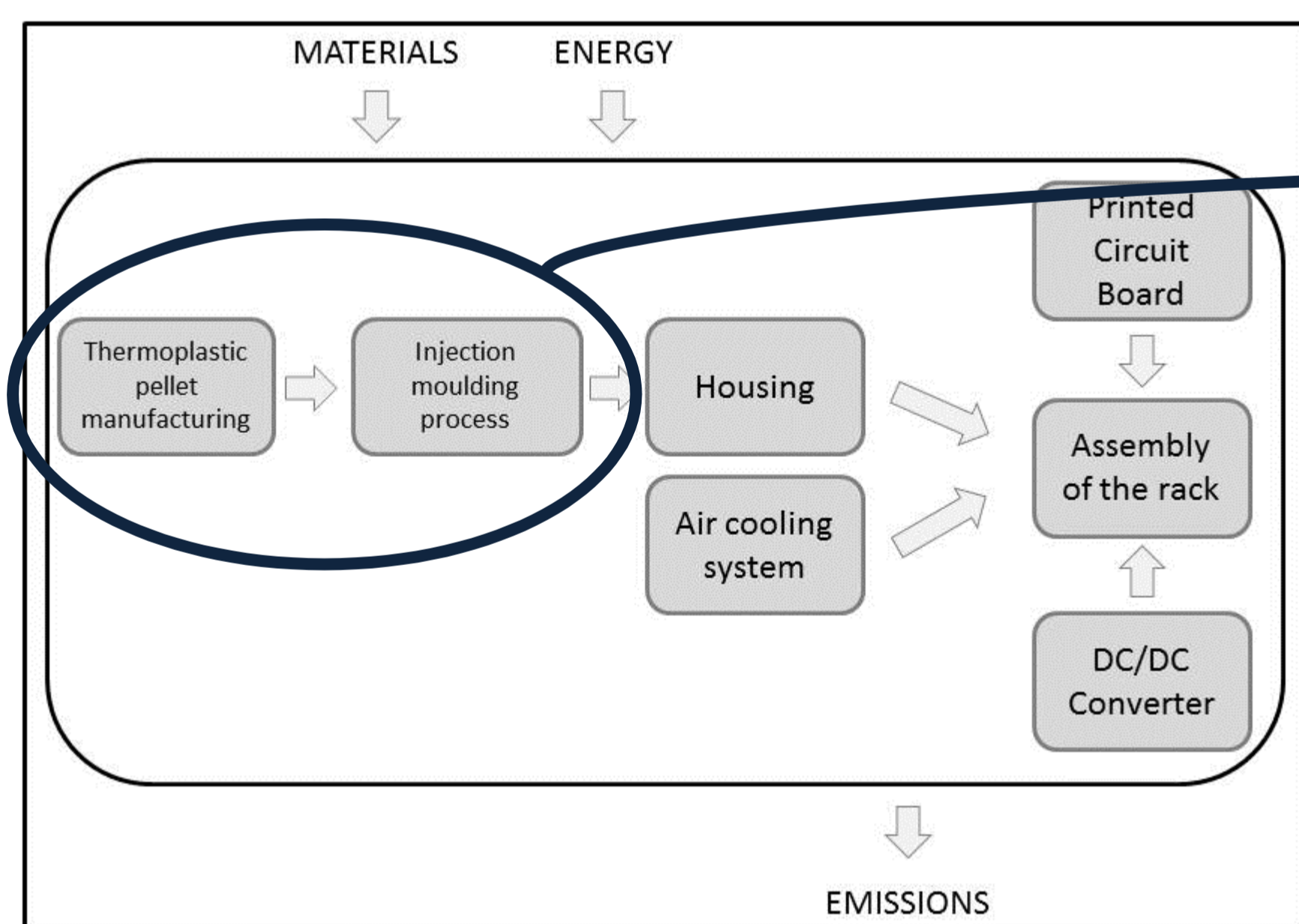
Key Environmental Performance Indicators of Operating Energy Rack for Full Electric Vehicle

OPERA4FEV GOALS



- Integration of cells into a thermoplastic rack (ensuring security, cooling and dimensional)
- 25% cost reduction (cells excluded)
- 50% reduction of components number
- 30% weight reduction (cells excluded)
- Use of recycle polymers (70% in weight of plastic materials)
- Reduction of assembly time

SYSTEM BOUNDARIES



KEPI RESULTS

