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Clean and competitive solutions for all transport modes
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**Zero Emission flexible vehicle platform with modular
powertrains serving the long-haul Freight Eco System**



ZEFES - Deliverable report
D2.5 - Thermal management optimization for BEV & FCEV



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Publishable summary

This deliverable report **D2.5 - Thermal management optimization for BEV & FCEV** aims at proposing optimizations for BEV and FCEV Thermal management and improvement potential of the ZE PWT in the use cases. As laid in the project objective **O2.3**, thermal management circuits with improvement for the HD vehicle architectures shall result in energy saving and range extension of up to 15 % under different ambient conditions and using the baseline vehicle from the beginning of the project as a reference.

Activities conducted within task 2.6 have covered:

1. design of optimal thermal management system architectures, for both BEV and FC Heavy Duty applications
2. application and optimization e-Horizon concept relatively to HD BEV & FCEV's thermal management system.

Outputs from this work is reported in this Deliverable document. They cover recommendations for HD BEV and FCEV architectures pricewise and performance wise. They also cover recommendations for control strategy to optimize energy consumption.