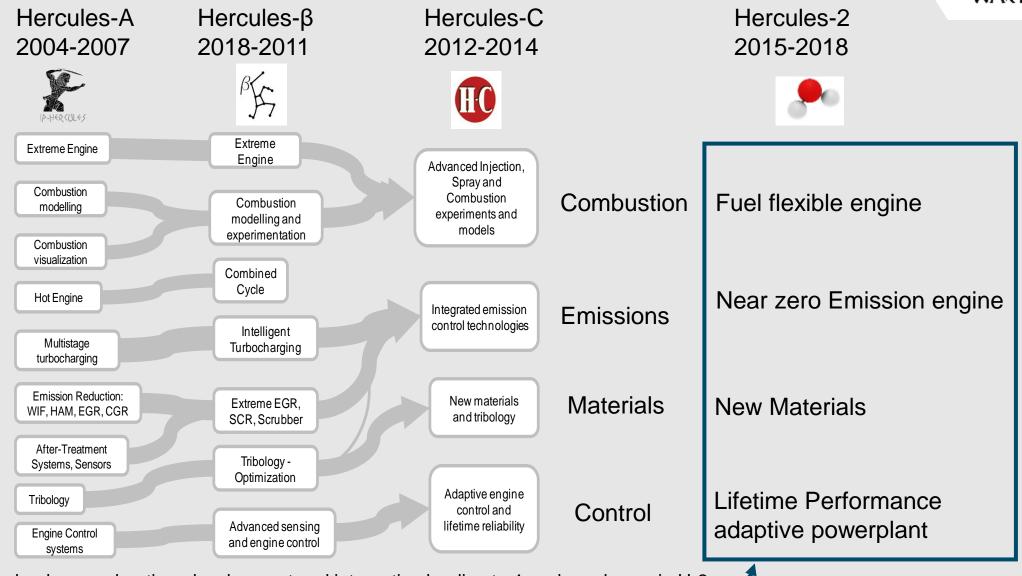
HERCULES PROJECTS: COMBUSTION ENGINE EXCELLENCE

Timeline, focus areas and partner overview of the Hercules joint research projects.

FROM HERCULES-A TO HERCULES-2: A 14 YEAR JOURNEY





Technology exploration, development and integration leading to 4 work-packages in H-2

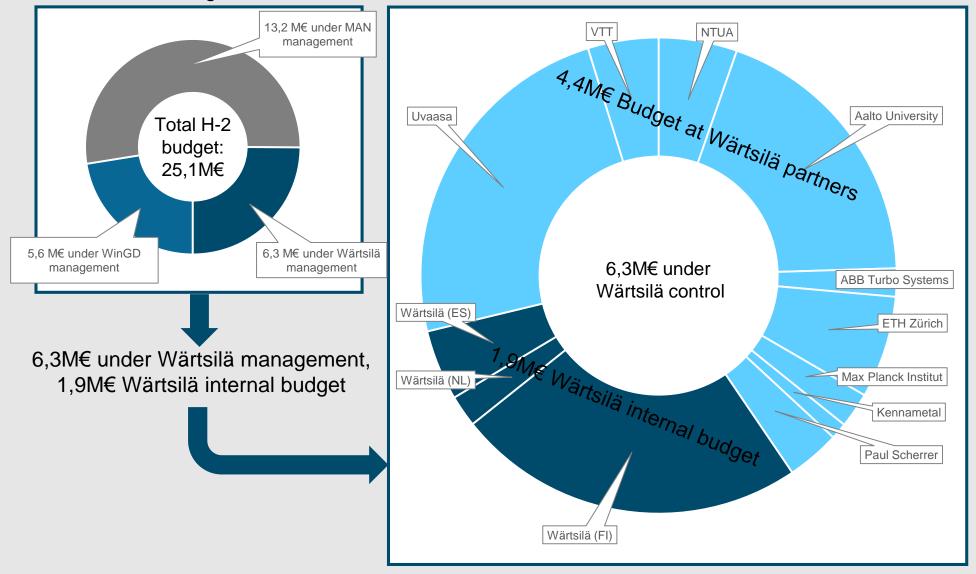
o Wärtsilä

- Proposal submitted August 2014, received EU approval at the end of Jan 2015
- Leading partners are Wärtsilä (Marine Solutions Engines), WinGD and MAN Diesel&Turbo
- Overall budget 25,1M€ for the whole project, duration 2015-2018
- Main topics: fuel flexibility, materials, engine control for lifetime performance, near-zero emission technology
- Wärtsilä partners:

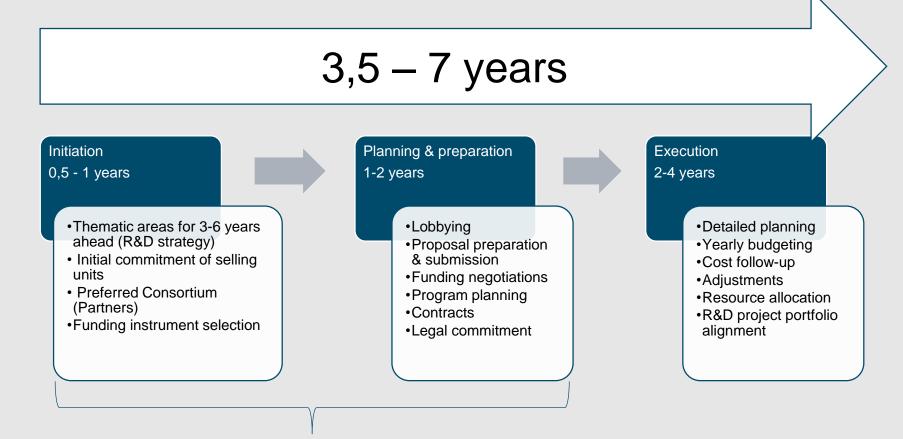




Total H-2 budget 25,1M€







Proactive phase No funding, own investment



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