



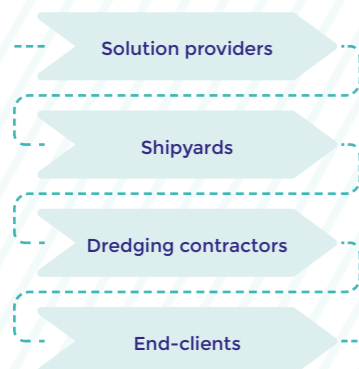
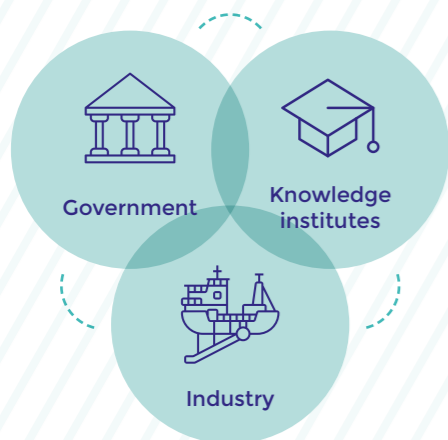
Zero Emission Dredging Hub

Innovatie Roadmap Zero Emission Dredging

Initiating partners >>>



ECOSYSTEM



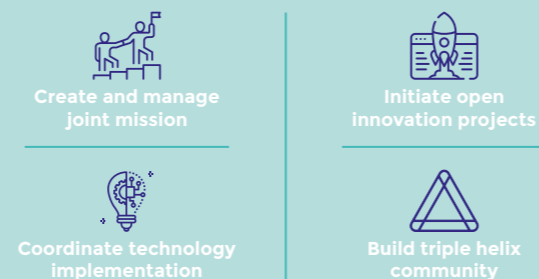
development tracks >>>>>>>>>>>>>>>>>>

LEVEL PLAYING FIELD



2030

ZED-hub services



join us!

We shape the future with a clear roadmap, strategic alliance, open innovation, and collaborative approach

Zero Emission Dredging Hub
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LEVEL PLAYING FIELD



TECHNOLOGY

- 2021: 1. Shared vision for alternative fuels for ZED
- 2021: 2. Investigate safe dredging operation with H2
- 2022: 9. Student project: disruptive sustainable dredging solutions
- 2022: 10. H2 TSHD system design
- 2023: 5. Piloting start-up solutions
- 2023: 8. MENENS project: Technical solutions towards ZED with Modular system integration incl. e-Methanol and future compatibility for other clean fuels.

POLICY

- 2021: 4. Establish Dutch ZE roadmap with Industry, Clients and Government
- 2022: 7. Develop Low Emission Standards for dredgers
- 2022: 10. Agree on ZE incentives with RWS
- 2023: 11. Develop European ZE roadmap with Industry, Branch and Government
- 2023: 13. Agree on ZE incentives with Dutch ports
- 2024: 14. Establish Global ZE roadmap with Industry, Branch and Government

ECONOMIC / FINANCIAL

- 2021: 3. Develop incentive for ZE tenders
- 2022: 6. Develop outlook for CAPEX & OPEX for ZE dredging
- 2024: 12. Updated outlook for CAPEX & OPEX for ZE dredging

Dashed line › initiative under development

White › planned project initiative

Green › project initiative in execution or finalized