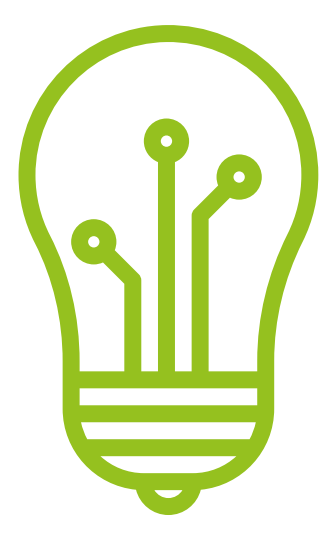


# SENDOLINER



Battery/diesel-electric powertrain, container vessel, 110m by 11.45m



## Innovation

- First commercial freight vessel to sail zero emission on charged battery (up to 3h)
- Diesel - electric with battery pack
- Modular platform allowing change to different technique



## Emission reduction

- CO<sub>2</sub> : 40%
- PM : 45%
- NO<sub>x</sub> : 45%



## Milestones

- 2014 — Previous vessel transformed to hybrid
- 2016 — New vessel concept developed
- 2019 — Delivery vessel
- future — New vessels planned



## Assets

- Less noise
- Decreased fuel consumption
- Increased performance
- Minimal maintenance



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Inland waterways & ports in action