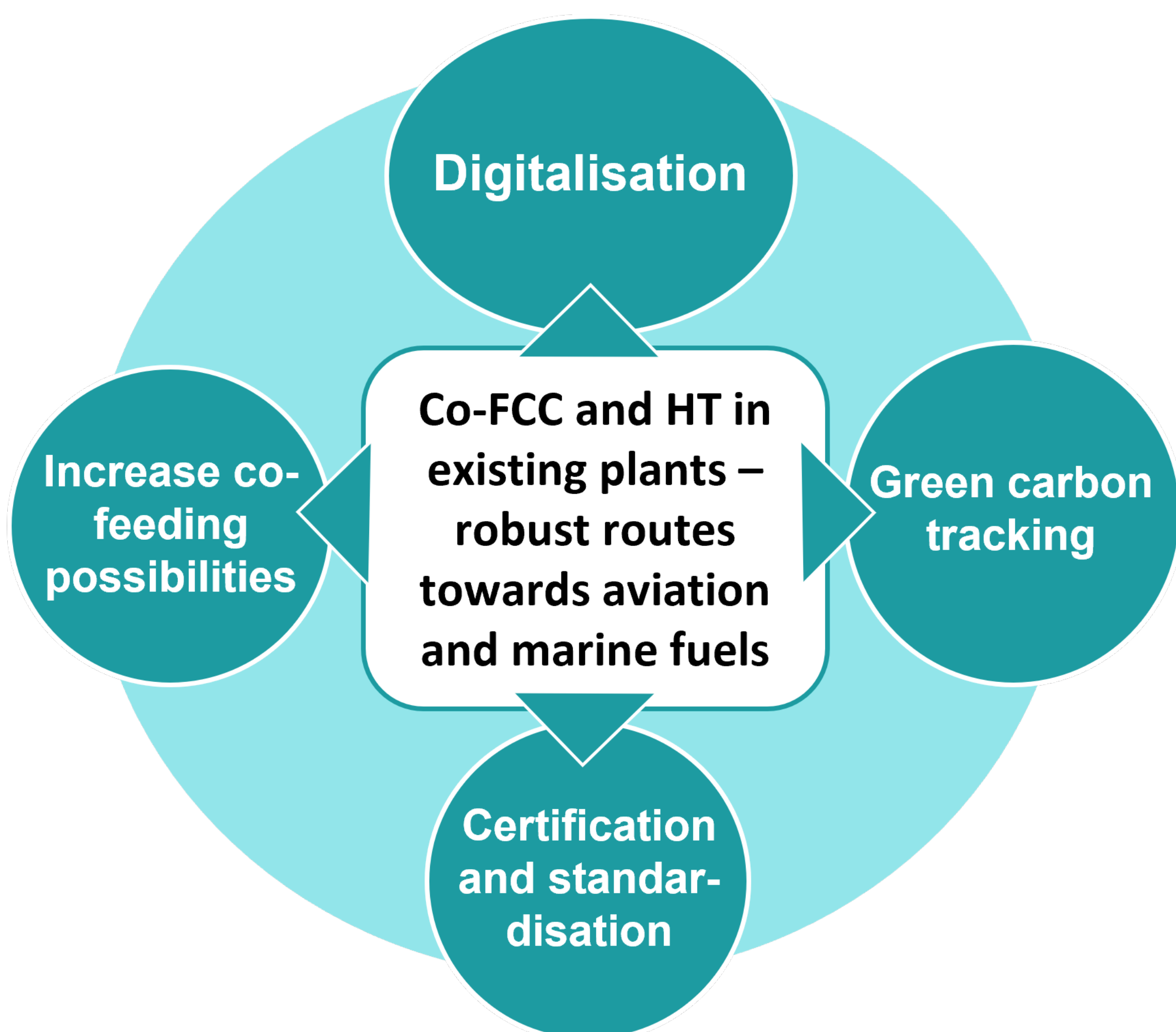


Refinery integration, scale-up and certification for aviation and marine biofuels production

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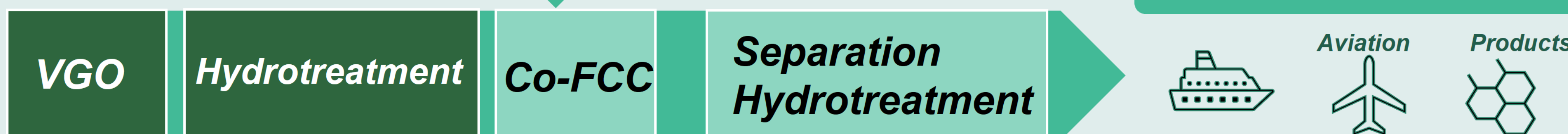
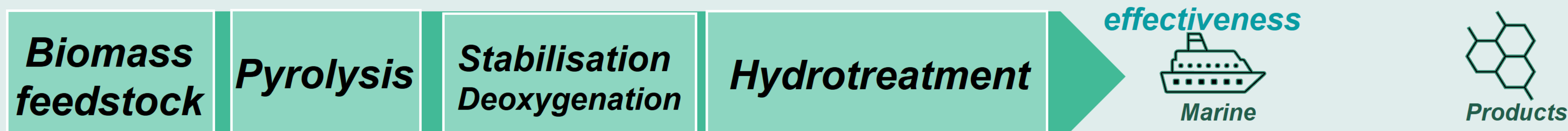
Unlocking the potential of biofuels

The project is designed to facilitate the market uptake of advanced biofuels in Europe by tackling the challenges limiting their full development.

The implementation of REFOLUTION technology is expected to reduce the production costs by:

- 50%** capital expenditures
- 45%** operative expenditures

Demonstration of advanced biofuels production from European refineries for aviation (TRL7) and marine sectors (TRL6)



- 60% decrease in CO₂ footprint
- 50% improvement cost-effectiveness

Advanced biofuels



Main innovations of REFOLUTION

- 1 Optimised biomass conversion processes into biofuels for aviation and marine, with improved product yield and cost-effectiveness
- 2 Clear routes towards biofuels certification and standardisation
- 3 Optimised process design, increased digitalisation and green carbon tracking
- 4 Decision tool and scenarios for optimised deployment

- Circular economy
- Full documentation & scenarios for deployment
- Improved social acceptance
- Acceleration of market uptake

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