

D4.2 Fact sheets of most promising retrofit measures (DEC)

Synergetics | Synergies for Green Transformation of Inland and Coastal Shipping

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D4.2 is the deliverable (type DEC – websites, patent filings, videos etc) of Task 4.2 titled Data collection and fact sheets. The main objective of Task 4.2 was to produce at least 8 fact sheets for greening options. Consistent illustrations and textual descriptions are prepared for the relevant technologies. For at least 8 retrofit measures linked web-based fact sheets are prepared, which give access to the database content for different target groups. The fact sheets will serve as a basis for dedicated knowhow transfer to shipping companies and operators in the Danube region coordinated by TTS.

The topics covered until now are:

1. Methanol internal combustion engine
2. Hydrogen internal combustion engine
3. Drop-In fuels
4. Batteries
5. Hydrodynamic improvements and energy saving potentials
6. Solar
7. Electrification of propulsion
8. Fuel cells

The factsheets cover the following points (where applicable)

- Technical details and physical properties
- Emissions
- Regulations for inland and seagoing vessels
- Technical concepts for the integration on board
- Bunkering and Infrastructure
- Economics
- Considerations for Deployment
- Deployment examples

The special thing about the online publication is that quick updates are possible, as the technologies, although partly available on the market, are still being developed for maritime use. The fact sheets are therefore linked to the database (Task 4.1). The documents also contain links to other interesting information, such as regulations or scientific publications. This ensures that the fact sheets provide a good initial basis of information and are quickly available to the reader who is looking for this information as an introduction. If the reader is then looking for more in-depth information, these are also linked.

In the following table 1 the links to the fact sheets are listed:

1 Links to fact sheets

FACT SHEET	LINK
1. Methanol internal combustion engine	www.synergetics-project.eu/Fact_Sheet_1
2. Hydrogen internal combustion engine	www.synergetics-project.eu/Fact_Sheet_2
3. Drop-In fuels	www.synergetics-project.eu/Fact_Sheet_3
4. Batteries	www.synergetics-project.eu/Fact_Sheet_4
5. Hydrodynamic improvements and energy saving potentials	www.synergetics-project.eu/Fact_Sheet_5
6. Solar	www.synergetics-project.eu/Fact_Sheet_6
7. Electrification of propulsion	www.synergetics-project.eu/Fact_Sheet_7
8. Fuel cells	www.synergetics-project.eu/Fact_Sheet_8