ALTERNATIVE ENERGY SOLUTIONS

MOBILE POWER · COMPANY PRESENTATION

BLUE MOBILE ENERGY SOURCES

BMES by AES Mobile Power LLC – electrical power from waterside to landside

FOR CUSTOMERS · PUBLIC

01

INTRODUCTION

Power from the water for the coast

POWER FROM WATERSIDE TO LANDSIDE

BMES (Blue Mobile Energy Sources) delivers electrical power from a mobile barge or ship from waterside to landside. BMES is part of AES Mobile Power LLC.

Our market analysis shows a worldwide increase in demand for electricity delivered from waterside to landside in coastal areas. Many regions are undersupplied or need fast support after environmental or other impacts. That is why BMES focuses on small, solid barges that can moor in all coastal areas.

BMES builds and operates the barges and ships on its own behalf and supplies electricity to harbours, ports, towns or islands.

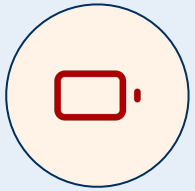
- **Harbours and ports**
- **Towns and villages**
- **Islands**
- **Power plants under construction**

TEAM, CAPACITY, FUELS



OWN TEAM

Project managers, naval architects and superintendents, plus qualified mechanical and electrical staff on board, ensure the agreed PPA from every barge and ship.



30 TO 40 MW

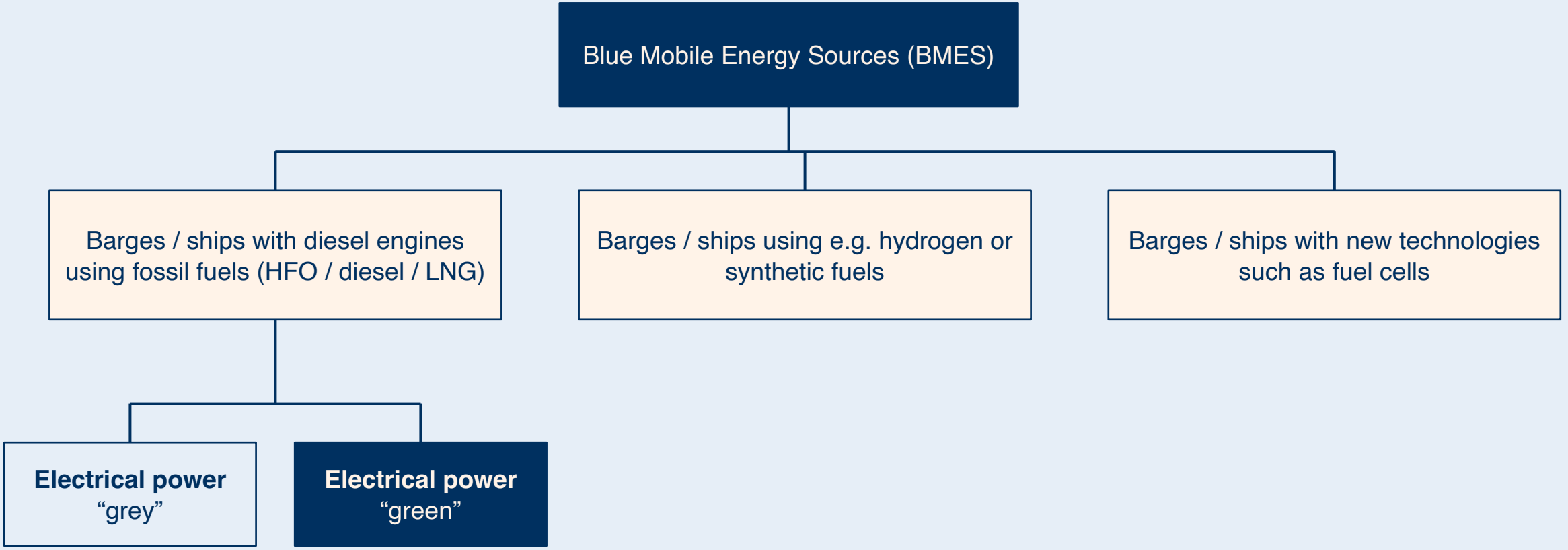
Sources with different capacities, designed for 30 up to 40 MW and an electrical output of 225 up to 300 GWh per year.



GREY AND GREEN

Engines for HFO, diesel and natural gas (NG), with a strong focus on new technologies and fuels to supply green energy where requested or required.

THREE WAYS TO GENERATE POWER



02

FLEET OVERVIEW

Two power barges, 30 and 40 MW

BMES POWER BARGE 01



NON SELF-PROPELLED BARGE
Schematic representation



ENGINES & STEAM TURBINE / ORC
4 × diesel engines, 50 Hz

30 MW
ELECTRICAL OUTPUT
HFO OR DIESEL

225 GWh
ANNUAL ELECTRICAL
POWER OUTPUT

ELECTRICAL POWER OUTPUT

GUARANTEED IN A PPA

225 GWh

per year, at 7,500 running hours

FUEL

Provided by the customer by land or sea, or organised by BMES. HFO or diesel.

4 engines · net output = 30 MW × running hours. Power Purchase Agreement (PPA).

BMES POWER BARGE 02



NON SELF-PROPELLED BARGE
Schematic representation



ENGINES & STEAM TURBINE / ORC
4 × dual-fuel engines, 60 Hz

40 MW
ELECTRICAL OUTPUT
HFO, DIESEL OR LNG

300 GWh
ANNUAL ELECTRICAL
POWER OUTPUT

ELECTRICAL POWER OUTPUT

GUARANTEED IN A PPA

300 GWh

per year, at 7,500 running hours

FUEL

Provided by the customer from land or sea, or organised by BMES. HFO, diesel or LNG.

4 engines · net output = 40 MW × running hours. Power Purchase Agreement (PPA).

TWO BARGES COMPARED

	POWER BARGE 01	POWER BARGE 02
Type	Non self-propelled barge	Non self-propelled barge
Engines	4 × diesel, 50 Hz	4 × dual-fuel, 60 Hz
Fuel	HFO or diesel	HFO, diesel or LNG
Electrical output	up to 30 MW	up to 40 MW
Annual output (PPA)	up to 225 GWh	up to 300 GWh

03

SUMMARY

Why BMES

WHAT BMES OFFERS



RELIABLE SOURCE AT SEA

A simple, robust and reliable solution for fast electrical power supply wherever it is needed on the coast.



NO INFRASTRUCTURE NEEDED

To extend or build a harbour, supply a village or town, or support a land-based power plant under construction.



GOOD ELECTRICITY PRICE

High-efficiency barges and ships with easy access from the waterside allow a good price for your situation.

YOUR PROJECT

We prepare a comprehensive offer for your individual project, including costs, lead time and special requirements.

Contact us for support with your electricity needs.

ALTERNATIVE ENERGY
SOLUTIONS

CONTACT

THANK YOU

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Disclaimer: All data provided in this document is non-binding. It serves informational purposes only and is not guaranteed in any way. Depending on each specific project, the data may change and will be assessed and determined individually for each project, depending on its particular characteristics, especially site and operational conditions.