



Bibby Marine Plastic Reduction Summary 2021





Who are we?

Bibby Marine Limited is part of the Bibby Line Group of companies

- Bibby Line Group is a diverse, international business, operating in 12 countries, employing around 1,800 colleagues, and managing over £1 billion of funds.
- One of the UK's oldest family-owned business with over 210 years' experience (est. 1807) of providing personal, responsive and flexible customer solutions
- Sectors include financial services, marine and infrastructure.

Bibby Marine Limited

Offshore Access

- Own and operate two Service Operation Vessels (SOVs) Bibby WaveMaster 1 and Bibby WaveMaster Horizon which serve Offshore wind farm and Oil and Gas Sectors. Both feature DP2, motion compensated gangway & crane, additionally daughter craft.
- The Walk-to-Work Service Operations Vessels enable offshore wind operators to work more efficiently, safely and in maximum comfort for up to 30 days at a time.

Floating accommodation

- A global provider of floating workforce accommodation, with experience of over 30 years (previously trading as Bibby Maritime). Current fleet of six accommodation barges (floating hotels) offering flexible shoreside and near shore accommodation. Designed to provide accommodation services for workforces globally, to a range of clients from construction through to hospitality.





WaveMaster Fleet



- The WaveMasters are Service Operation Vessels (SOVs)
- SOVs facilitate the operation and maintenance of offshore wind farms
- These vessels feature station keeping (DP2), motion compensated gangway & crane, as well as daughter craft
- Accommodation for 60-90 POB, including cabins, warehouse, mess room, recreational space and gym. (sauna – BWM1)
- High capability access to assets, 3-4mHs





Floating Accommodation Fleet



- Bibby Marine provide high quality worker accommodation through their fully serviced shoreside and near shore accommodation barges
- **Worldwide capability** - Available wherever and whenever you require
- **Convenience and comfort** - Providing a comfortable base with hotel standard facilities for you
- **Tailored for you** - As much or as little assistance as you require during charter
- **Worker satisfaction** - Quality dining, leisure and relaxation areas on board
- **Environmentally friendly** - Low environmental legacy impact on surrounding areas
- **Cost effective** - An efficient and practical accommodation solution

Introducing Bibby Pioneer

Our Multi-functional work and accommodation barge
Boat landing areas and a large deck space make Pioneer ideal for windfarms, cable repair and replacement, maintenance and industry support role projects





PROJECT COMPASS



1. Alternative Fuels (Net Zero)
2. Supplementary power
3. Power reduction (modifications)
4. Power reduction (operations)
5. Accurate Co2 footprint and reporting
6. Waste reduction
7. Emission reduction
8. Carbon credits





Bibby's SMART Objectives - Plastic Reduction

1

Plastic Single Use Bottles

To reduce (70% from 2020 purchased) the number of bottles of still and sparkling water provided on board the WaveMaster vessels.

2

Plastic Single Use Items

To reduce (70% from 2020 purchased) the quantity of plastic provided on the WaveMaster vessels from the following items: Plastic Coffee Stirrers; Plastic Lids; Plastic Cups; Plastic Lunch Boxes.

Measured using quantity of KG of plastic, and also CO2 impact.





Objective 1 & 2 - The reduction of plastic usage onboard

It is our goal to reduce our annual consumption of single-use plastic in 2021 by 70%, comparative to 2020's consumption.

In 2020, our WaveMaster vessels were consuming a combined total of **914 KG of plastic** in the form of plastic water bottles. If we hit our target for the 70% reduction of water bottle usage in 2021, we will have **saved a whopping 640 KG of plastic!**

That is equivalent to 337 Bricks (1.9KG each).

In 2020, our WaveMaster vessels were consuming a combined total of **232.5 KG of plastic** in the form of plastic items (lids, cups, stirrers, lunch boxes). If we hit our target for the 70% reduction of those items in 2021, we will have **saved an additional 162 KG of plastic!**

That is equivalent to 27,931 Ballpoint pens (BIC5.8 Grams each).



Bibby WaveMaster 1

What have we done, and do we meet the target of 70% reduction?

- Awareness and information on board and discussion between stakeholders, Bibby and SODEXO;
- Still Water Dispenser provided on board;
- For 2021 Single use Plastic Bottles significantly reduced and focus on Reusable Plastic Bottles;
- For 2021 no more delivery of plastic cutlery, stirrers, cups (only Plastic Lids still in use) etc.;
- 2021 delivered on board reusable Lunch boxes & Reusable Plastic Bottles;

	2020		2021
Still Water 1.5 litres =	12210 bottles	vs	4578
Still Water 0.5 litres =	3240 bottles	vs	0
Sparkling Water 1.5 litres =	1110 bottles	vs	288 + 117 (of reusable)
Plastic Coffee Stirrers =	5000	vs	0
Lids for Cup =	2900	vs	1950
Lunch Boxes =	3034	vs	Reusable 75
	<u>Kg/Co2 = 2180.616</u>	Reduced to	<u>Kg/Co2 = 764.484</u>
	<u>Total KG = 544.023 KG</u>		<u>Total KG = 191.414 KG</u>

**Total Reduction of 352.61 KG
of plastic usage
Meaning a reduction of
1416.13 Kg/Co2**

For BWM1 in 2021 we achieved a reduction of 65% of Kg of Plastic and Co/Kg compared to 2020.



Bibby WaveMaster Horizon

What have we done, and do we meet the target of 70% reduction?

- Awareness and information on board and discussion between stakeholders SIEMENS, Bibby and Foss;
- Still and Sparkling Water Dispenser provided on board;
- From 30th April 2021 no more delivery of Single use Plastic Bottles;
- From 1 May 2021 no more delivery of plastic cutlery, stirrers, cups etc..;
- 2021 delivered on board reusable Lunch boxes;

	2020		2021
Still Water 1.5 litres =	1098 bottles	vs	1794
Still Water 0.5 litres =	16164 bottles	vs	5814
Sparkling Water 1.5 litres =	2886 bottles	vs	330 +96 (of reusable)
Plastic Spoon =	10800	vs	1200
Lunch Boxes =	7090	vs	Reusable 123
	<u>Kg/Co2 = 2379.43</u>	Reduced to	<u>Kg/Co2 = 803</u>
	<u>Total KG = 601.5 KG</u>		<u>Total KG = 201 KG</u>

**Total Reduction of KG of plastic usage 400.5
Meaning a reduction of 1576.43 Kg/Co2**

For Horizon in 2021 we achieved a reduction of 67% of Kg of Plastic and Co/Kg with respect to 2020.



TOTAL for both WaveMasters

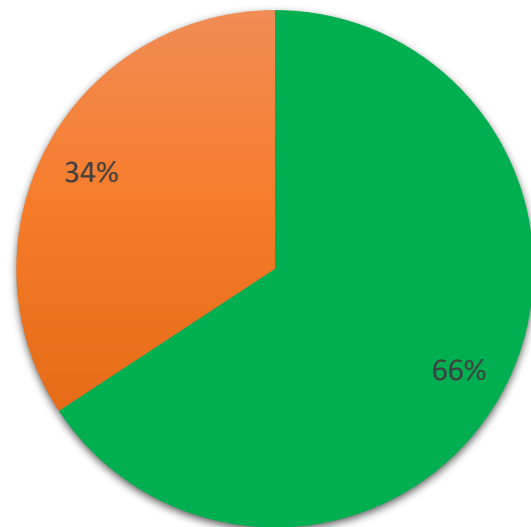
KG	BWM1	BWM2	Total
2020	544.023	601.5	1145.523
2021	191.414	201	392.414

Overall Reduction of KG = 65.7% KG: 753.109

Kg/Co2	BWM1	BWM2	Total
2020	2180.616	2379.43	4560.046
2021	764.484	803	1567.484

Overall Reduction of kg/Co2 = 65.6%

Overall Bibby has achieved a 65.7% reduction of the usage of single use plastic items on the Wavemaster Vessels from 2020 to 2021.



Items we are actively removing/removed



Items we are planning to remove/Do



We have implemented..

- Water Dispensers
- Reusable Water Bottles
- Awareness, reusable other items



Engage with suppliers for a reduction of plastic from the source

