

CERTIFICATE OF CONFORMITY - EC (MODULE G)

Certificate No:
MEDG00000DD

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the On board exhaust gas cleaning systems

with type designation and serial number

ECO-EGC Hybrid System installed onboard Peter Pan (IMO: 9217242) - 15-042-APC-SC-0100, -0200, -0300, -0400

Issued to

Ecospray Technologies S.r.l.
Alzano Scrivia - AL, Italy

is, by design assessment and product verification, found to comply with

Regulation **(EU) 2017/306,**

item No. MED/2.10. Marpol 73/78 as amended, Annex VI Regulation 4 and IMO Res. MEPC.259(68)

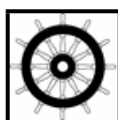
USCG Approval No: **N/A**

Further details of the equipment and conditions for certification are given overleaf.

Issued at **Hamburg** on **2017-10-13**

DNV GL local station:

**Hamburg Environmental
Certification**



for **DNV GL SE**

Approval Engineer:

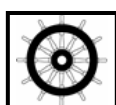
Mirko Schlegelmilch

Notified Body

No.: **0098**

Sven Dudsus

Head of Notified Body



0098/yyyy

0098: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed

The product liability tests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate remains valid unless suspended, withdrawn, recalled or cancelled, provided this equipment is not modified without the acceptance of the notified body named herein.

This certificate authorises the manufacturer to affix the "Mark of Conformity" (wheelmark) to the product described herein.



Form code: MED 241.DEU

Revision: 2016-12

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Job Id: **344.1-007526-1**
Certificate No: **MEDG00000DD**

Product description

On board exhaust gas cleaning system used as an alternative compliance method with fuel oil sulphur limits.

Application/Limitation

According to MEPC.259(68) - Scheme B, compliance with fuel oil sulphur requirements is demonstrated by continuous exhaust gas monitoring. The monitoring system is subject to periodical surveys according to MEPC.259(68).

Type Examination documentation

Exhaust Gas Cleaning System SOx Emissions Compliance Plan, Rev.0, 29th March 2017, approved: 2017-10-09.

Exhaust Gas Cleaning System Technical Manual – Scheme B (EGCS Record Book included inside), Rev.3, 6th October 2017, approved: 2017-10-09.

Exhaust Gas Cleaning System Onboard Monitoring Manual, Rev.3, 6th October 2017, approved: 2017-10-09.

Tests carried out

On-board verification of Exhaust Gas Cleaning System Test report:

DNV GL Checklist for verification of Exhaust Gas Cleaning Systems (EGC 631), date of issue: 2017-09-13, completed: 2017-10-13

pH discharge limit calculation test, 2017-09-25