

CERTIFICATE OF APPROVAL IN PRINCIPLE

No. 202200297

This is to declare that the Approval in Principle of the following Project:

"NH3 FUEL SUPPLY SYSTEM"

Name of the Client **Gas and Heat SpA**
Via Livornese, 796
San Piero a Grado, ITALY

Description **The Approval in Principle refers to a 2x260 [m³] - NH3 Fuel Supply System, to be installed on board of cargo ships using Ammonia as main fuel.**

has been carried out in compliance with the process described in the "RINA Guide for Approval in Principle Processes" (Ed.1 dated January 2014), on the basis of the technical criteria of the "RINA Rules for the Classification of Ships – 2022 Version, with the attention of RINA Rules for "LPG or NH3 Fuelled Ship" specifications below reported, with the specifications below reported.

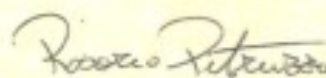
The following submitted documentation, provided by the Client, allowed the Approval in Principle certificate issuance.

- GHP0381-DST-001-02 Technical Specification,
- GHP-DWG-0381-0 -PROCESS FLOW DIAGRAM Rev.01.

It is intended that the general conditions and requirements listed and detailed in the RINA approval letter PRMT/2022/117/RSPTZ, must be considered, with the possible addition of further measures introduced by the Flag and State Administrations. Installation on board of the RINA vessel is, in any case, subject to the good results of approval of detailed and exhaustive documents relating to the installation and the implementation of the results obtained following the HAZID/HAZOP, provided for by the IGF Code.

Issued in Trieste on 24 August 2022

This certificate consists of this sheet



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