



Deliverable 2.2

SME Instrument phase 2

Number – 684937 – Agro Highway

Class Certification.

Revised version

18 / 07 / 2017





EUROPEAN COMMISSION
Executive Agency for Small and Medium-sized Enterprises (EASME)
GRANT AGREEMENT 684937 — Agro Highway



TRILOBES
logical solutions for liquids 





Declaration of conformity

Issued by: Trilobes BV.
Madame Curieweg 9.
8501 XC, Joure
Holland

Manufacturer: Trilobes BV.
Madame Curieweg 9.
8501 XC, Joure
Holland

Date: 01-05-2017

Subject: 116.130 Agro Highway Liquid Ferry Cargo System and Tanks.

Trilobes BV hereby confirms that the design and construction of the Agro Highway Liquid Ferry Cargo System and Tanks known under Trilobes order no 116.130 and build under the SME instrument phase 2 Number – 684937 – Agro Highway complies to the procedures and standards listed on page two of this declaration.

Signed for and on behalf of : Trilobes BV.
Place of issue : Joure.
Date of issue : 01-05-2017
Name : ing. GJ. Vossnack
Position : Technical Director.

Signature :



Used design and quality standards and procedures for the design and construction of the cargo system for the 'Liquid Ferry':

- Design calculations with loads, calculation principles, boundary conditions and criteria based on Bureau Veritas Class Rules: Rules for the Classification of Steel Ships (NR467) and EN 13445.
- Ordering materials with a certification level based on Bureau Veritas Class Rules: Rules on Materials and Welding for the Classification of Marine Units (NR216) .
- Weld method qualifications according to Bureau Veritas Class Rules: Rules on Materials and Welding for the Classification of Marine Units (NR216) .
- Welder's performance qualifications according to Bureau Veritas Class Rules: Rules on Materials and Welding for the Classification of Marine Units (NR216)
- Non-destructive testing on the different welds based on Bureau Veritas Class Rules: Rules on Materials and Welding for the Classification of Marine Units (NR216) and Rules for the Classification of Steel Ships (NR467).
- Plate thickness measurements after fabrication compared to minimum design values.
- Dye check of all internal tank welds according to: EN1289 / EN 571-1.
- Surface roughness measurements in combination with visual inspections on surface deficits: Trilobes Standard on Tank Welds and Plate Surface Inspection for NFC Storage tanks Rev 1.
- Hydro testing of the construction after installation according to: Rules for the Classification of Steel Ships (NR467) and EN 13445.
- Approval by Bureau Veritas of the vessel modifications necessary to install and support the cargo system.
- Calibration of the cargo tanks by independent and qualified survey company and setting up of volume tables.
- Survey of the system by an independent senior expert on the subject of 'The cargo process system in relation to foodstuff compatibility, clean ability and sterilisation. Survey executed by independent qualified surveyor.
- ATP testing after cleaning program validating the CIP process. Acceptance criteria based on dairy and orange juice industry practice.