





GASVESSEL – 723030 Compressed Natural Gas Transport System

To the kind attention of

Ms. Renata KADRIC - Project Officer 723030 GASVESSEL Project European Commission Innovation and Networks Executive Agency (INEA) W910 3/16 B-1049 Brussels/Belgium

Trieste, June 3rd, 2019

H2020 - 723030 GASVESSEL - WP4 - Achievement of milestone MS4 - Statement

Dear Ms. Kadric,

Reference is made to the MS4 in the Grant Agreement relevant to the WP4 "Pressure Vessel Pilot Line ready" managed by the Lead Beneficiary BM Plus.

The Project Coordinator, Mr. Loris COK, having, together with his staff:

- Provided a constant following of the progress of the installation works;
- Made a final survey on May 29th 2019 whose results are summarized in the attached minute of meeting;

Hereby

STATES

That

• Pressure vessel pilot line is ready for starting the production tests.

According with all the above, the Coordinator, under his own responsibility, informs that the Milestone MS4 is achieved, within the time requested by the Grant Agreement.

Yours faithfully,

Loris COK Project Coordinator

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Enclosure: MoM no. 023 dated 29th of May 2019





Minutes of Meeting

No. 023

Meeting Date:	May 29, 2019		
Meeting Location:	BM Plus premises in Buttrio (UD) - Italy		
Meeting requested by:	Navalprogetti (Coordinator)		
Purpose, Objectives and Elements of the Meeting with ref to WPs and relevant tasks (as per Meeting Agenda)	Field survey to ascertain and confirm the readiness of the experimental pilot line and consequently confirm the achievement of the milestone MS4 on May 31, 2019.		
Minute prepared by:	Spartaco Angelini – Navalprogetti – Project management team		
Attendees approval Date:	: 31/05/2019		
Attendees: Summary of Significant	 7-BM Plus: Francesca Bozzi, Paolo Maschio, Giuseppe Monteverdi 8-CNGV: Giovanni Fratti, Deni Jakac 1-Navalprogetti: Loris Cok, Horst Sorli, Maurizio Rosson, Spartaco Angelini It was a rainy, dark and gloomy morning in Buttrio but our mood 		
Summary of Significant Results	It was a rainy, dark and gloomy morning in Buttrio but our mood suddenly got enlightened by the status of readiness of the experimental pilot line. As a matter of fact, the efforts applied during the last weeks have brought the experimental pilot line to a satisfactory level of mechanical completion. All foreseen equipment is present, duly installed and hooked up waiting to start the production tests. Production tests will be performed in the course of the next months of June and July using the liners #2 and #3 for better tuning all the operations and calibrate the equipment before starting the fabrication of the remaining pressure cylinders prototypes intended to obtain the Type Approval Certificate from ABS. Following the fabrication sequence of pressure cylinders (liner hydroforming, winding, curing and testing) here are the pictures of the various pieces of equipment object of the survey:		















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Wrapping head details









Curing shed













Autofrettage, fatigue and burst tests HPU with relevant switchboard



Saddle for complete cylinders autofrettage and fatigue tests



Hydroforming switchboard























	All acoustic and visual safety alarr Safety procedures have been pre Training of personnel for operation	<image/> <caption></caption>
	detail the next steps that will be o	object of the Action item in point 2.
Action Decided		
Action Item	Partner Responsible	Due Date
1.Based on this MoM	NP	In the course of week 23
Coordinator to inform		
Project Officer about the		
achievement of MS4 on		
May 31, 2019		
2. Planning of next	BMP and CNGV	In the course of week 23
activities: BMP and CNGV		
to prepare a detailed time		
schedule relevant to the		



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actions to be performed in the course of the next two months of June and July		
3. CNGV to inform ABS about the calendar of the next activities to allow them planning their attendance to the fabrication of pressure cylinders as required to issue the relevant Type Approval certificate	CNGV	Within end of June 2019
4. CNGV to issue a procedure for picking up all the technical and operative parameters during production tests and in production of prototypes that will be used and recorded in the future Quality Manual for industrial production	CNGV - BMP	Within end of July 2019
List of Attachments: Comments on Meeting effectiveness, if any	None	

The meeting is valid according to the Consortium Agreement Statements

This document is part of the MS4 achievement letter from Coordinator to PO