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## **Meeting Report**

*Deliverable D.7 – WP1*

**Less-Water Bev.Tech**  
**Contract ECO/13/630314**

**Reporting Date**  
**20.09.2016**

**Project coordinator:** **A DUE DI SQUERI DONATO & C. S.p.A.**

**Project website:** [www.lesswaterbevtech.com](http://www.lesswaterbevtech.com)

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## **Description of the Deliverable n. 7 of Work Package 1.**

The Deliverable D.7 of Work Package 1 (WP1), included in the Annex I of the Grant Agreement for the Project Less-Water Bev. Tech (ECO/13/630314), regards the “Project coordination meeting #6”. The meeting was held on September 20<sup>th</sup> 2016, at A DUE S.p.A. premises in Riccò di Forno Taro (PR) - Italy, as scheduled during the previous meeting.

### **Meeting Participants**

- Eng. Simone Squeri, A DUE S.p.A., CEO;
- Eng. Alberto Dilda, A DUE S.p.A., COO and R&D director;
- Eng. Guido Marossa, A DUE S.p.A., project engineer;
- Mr. Marco Iasoni, A DUE S.p.A., project engineer;
- Eng. David Delmonte, A DUE S.p.A., automation engineering Dept. Director;
- Eng. Gian Paolo Pescini, A DUE S.p.A., mechanical engineering Dept. Director;
- Mr. Paolo Caselli, A DUE S.p.A., project designer automation;
- Mr. Guatelli Claudio, A DUE S.p.A., customer care manager;
- Mr. Paolo Ferrari, A DUE S.p.A., technical sales engineering
- Dr. Micaela Guerzoni, A DUE S.p.A., subcontractor;
- Eng. Maurizio Violi, A DUE S.p.A., subcontractor;
- Dr. Federico Cappa, A DUE S.p.A., in-house consultant;
- Mr. Craig Clayton, CVAR Ltd, CEO;
- Eng. Mauro Gamberi UNIBO, associate professor;
- Eng. Marco Bortolini, UNIBO, senior researcher.

### **Meeting Agenda**

The points in the agenda were the following:

1. General overview on project implementation (A DUE);
2. State of the art of tests carried out to the machinery installed at client’s premises and next steps to perform (A DUE and UNIBO);
3. Review of next deliverables to be produced by the end of the year 2016 (ALL);
4. Organisation of project participation to the Eco-innovation Forum in Tallinn on October 26<sup>th</sup> 2016 (ALL);
5. Discussion on the feedbacks received by EASME to the approved IR (ALL);
6. Schedule of the next meeting (ALL).

## **1. General overview on project implementation**

The project has been carried out by partners according to the scheduled timetable, without any significant problem in terms of deviation to the original Gantt. All the partners were fully committed in the project activities and gave the needed contribution to its implementation.

The installation of the pilot plant can be considered concluded in April 2016 and no deviations, problems or corrective actions have emerged so far. There might be some corrective actions at the end of the current testing phase that might lead to a slight revision of initial executive designs, and this is usual in plant installations.

The start-up of the pilot plant has been finalised in the middle of May 2016 and the test has started since June 2016, still running. Some of the scheduled deliverables are not ready yet since they are strictly linked to the testing phase which is depending on the production needs of the client (CCdP).

The partners organised a site visit in June 2016 in order to assess the functionalities of the Innovative Water Treatment System. This visit has foreseen the participation of the Company Management, the Technicians responsible for the implementation of the System, the Client testing and using it, the Project Partners/Consultants and the Representative from EASME.

The partners prepared and submitted the Interim Report, which was accepted by EASME, and the second pre-financing has been received by the coordinator who forwarded the relevant funds to the other two partners.

## **2. State of the art of tests carried out to the machinery installed at client's premises and next steps to perform**

The new water treatment and recovery system has been installed in April 2016 to the client's premises, *Consorzio Casalasco del Pomodoro - CCdP* <http://www.ccdp.it/>.

The assembly and the installation of the pilot plant totally met the client's stringent requirements in terms of layout, sqm as well as exact place in which placing the prototype in order that the machine test did not create interference with the daily production processes.

The start-up of the pilot plant has been then initiated in the middle of May 2016 in terms of checking the correct hydraulic operations, testing the software with the needed integrations, tuning the various system parameters like pressure, flow, etc, calibrating all the instruments, optimising the chemicals dosage during the functioning and washing phases and, lastly, igniting the entire machinery.

The tests has started since June 2016 and are still running. The main points taken into

consideration for the carrying out of those tests were the following:

- a) the logistics complexity at client premises;
- b) the provision of the production waste (concentrates) by client to add to the water in order to enlarge the tests spectrum;
- c) the provision of chemicals (e.g. sodium, sodium hypochlorite, etc.) necessary for the sanitisation stages of the new water treatment plant;
- d) the final evaluation on how reusing the treated waters (as an ingredient in the production line or for any other services and for utilities in the plant) done together by all the partners and the client in order to give the right value to the entire process.

A DUE and UNIBO, in cooperation with the client, are still performing the analyses altogether with dedicated personnel at the clients' plant premises with the aim to verify each single condition, according to a working plan for carrying out these tests in order to schedule the right timing and the needed internal resources.

However, the test had some delays due to the some internal problems by the client CCdP in terms of water provision and production of waste, in particular due to the fact that the tests are proceeding in parallel with the important season of tomatoes. These led to a delay of about 4 weeks in the finalisation of the tests with the right production waste, namely those industrial effluents which are of outmost importance for marketing the water recovery system to the final customers located in EU and MENA regions.

Anyway, the partners took the occasion to perform some specific tests with waters containing tomato sauce in order to verify the correct functioning of the entire system. This delay will not have a major impact in the overall project implementation.

### **3. Review of next deliverables to be produced by the end of the year 2016**

Hereinafter, a list of the next deliverables.

#	Name	Type	Quantity	Acc.	Deadline
D5.3	Technology benefit demonstration and measurement. Technology adaptation. (EU market)	Report	1	CO	lug-16
D6.14	Workshops organisation	Workshop	1 Workshops for 30 people	PU	lug-16
D5.2	Final Business Plan formal definition (MENA market)	Business Plan	1	CO	set-16
D1.8	Project coordination meeting/sub-meetings #7	Meeting minutes	1	PU	dic-16
D1.14	Second Progress Report (PR2), coordination	Report + Project	1	PU	dic-16

#	Name	Type	Quantity	Acc.	Deadline
	and timing control	Information Sheet			
D6.4	Project information updates (pre-defined)	text, ppt	1	PU	dic-16

The delays in the finalisation of the tests (due to the fact of being compliant with client's needs) obviously led to a delay in issuing both D5.2 and D5.3 that are expected to be produced in November 2016, when the tests results will be analysed and the quantitative indicators correctly interpreted.

As for the Workshop (D6.14), this will be organised at UNIBO premises in mid-November 2016, in order to involve not only the industrial world, but also the academic sphere and this will give the project and the new treatment system a higher visibility. The topic will be on the results of tests and the project technology benefit demonstration.

The other three remaining deliverables will be produced as scheduled.

#### **4. Organisation of project participation to the Eco-innovation Forum in Tallinn on October 26<sup>th</sup> 2016**

LESS-WATER BEV.TECH project will be presented during the Eco-innovation Forum in Tallinn. UNIBO and the In-house consultant will make a project presentation.

#### **5. Discussion on the feedbacks received by EASME to the approved IR**

The Interim Report (D1.13), containing descriptions of all the activities performed since the project start (October 2014) to the month 19 (April 2016), has been prepared and submitted to EASME via the participant portal. It was approved and the second pre-financing payment has been received by the coordinator who transferred the related amount to the other two partners. The partners received some hints by EASME on how correcting both the generic and the specific reporting mistakes. The coordinator suggested all the partners to follow the instructions sent by EASME.

#### **6. Schedule of the next meetings**

The next project coordination meeting (D1.8) is scheduled on December 2016. As for the Workshop organisation (D6.14), the partners agreed to hold in in November 2016 as already indicated.

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