

Call: H2020-NMBP-20-2018

Topic: A digital 'plug and produce' online equipment platform for manufacturing (IA)



Deliverable No. 18.2

1st Open Call outcome

Grant Agreement No.:	822106
Project Title:	WeldGalaxy – Digital Dynamic Knowledge Platform for Welding in Manufacturing Industries
Contractual Submission Date:	Month 23
Actual Submission Date:	Month 23
Responsible partner:	FundingBox

Grant agreement no.	822106
Project full title	WeldGalaxy – Digital Dynamic Knowledge Platform for Welding in Manufacturing Industries

Deliverable number	D18.2
Deliverable title	1st Open Call outcome
Version	1.0
Type	Report
Dissemination level	Public
Work package number	WP18
Work package leader	FundingBox
Author(s)	Izabela Zrazinska
Keywords	Open Innovation Calls (OICs), Application, Evaluation, FSTP Management

The research leading to these results has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 822106.

The author is solely responsible for its content, it does not represent the opinion of the European Commission and the Commission is not responsible for any use that might be made of data appearing therein.

"The information contained in this report is subject to change without notice and should not be construed as a commitment by any members of the WeldGalaxy Consortium. The information is provided without any warranty of any kind.

This document may not be copied, reproduced, or modified in whole or in part for any purpose without written permission from the WeldGalaxy Consortium. In addition to such written permission to copy, acknowledgement of the authors of the document and all applicable portions of the copyright notice must be clearly referenced.

© COPYRIGHT 2020 The WeldGalaxy Consortium.

All rights reserved."

Results of 1st WeldGalaxy open call for recipients of financial support

Project acronym: **WeldGalaxy**

Project grant agreement number: **822106**

Project full name: **Digital Dynamic Knowledge Platform for Welding in Manufacturing Industries**

Project WeldGalaxy, co-funded from the European Union's Horizon 2020 research and innovation programme under grant agreement No **822106**, launched a 1st open call for recipients of financial support. **1st Open Call started on 16th of March 2020, at 00:00 and was closed on May 29th, 2020 at 18:00** (Brussels time).

A total of 34 submitted proposals were received for this call. 10 proposals will receive funding of 100.000 EUR each.

The evaluation and selection have been completed. All proposers have been informed about the evaluation results for their proposal for financial support.

Call information

The call was published on project's website <https://weldgalaxy-opencall.fundingbox.com/> and on the Horizon 2020 Participants Portal <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/competitive-calls>.

Response to the call in detail

	Number of proposals
Proposals received	34
Eligible proposals	25
Proposals above threshold	13
Selected proposals	10

WELDGALAXY 1st OIC final results: beneficiaries invited to sign the Sub Grant Agreement

Pilot Name	Lead Company Name	Partner Name	Country (Lead Company)	Short Description
Trilogy	SARKKIS Robotics, Lda		Portugal	The Trilogy pilot will combine automatic robot program generation, with advanced sensing and machine learning for welding parametrization to fully exploit the potential of robotized welding in small batches.
RobLoBWeld	REBARTEK AS	-	Norway	Robotic load bearing welding of concrete steel reinforcement
DUCU	MX3D B.V.	Belgian Welding Institute	Netherlands	Wire Arc Additive Manufacturing (WAAM). The tool automatically calibrates layer height by electric sensing.
INTWECELL	Flex Hex IVS	Factobotics	Denmark	Intelligent welding holding tool: flexible holding tool for manufacturing where geometry can be adjusted instantly we want to use this flexibility to improve the welding process by placing the item to be welded in the best position possible for the welding robot
WeldCam	Cavitar Oy	-	Finland	Welding camera for arc welding based on active laser illumination to reveal defects in real time and a platform for image analysis
CRAWL	Alexander Binzel Schweisstechnik GmbH & Co. KG (ABICOR Binzel)	-	Germany	Clean robotic arc welding cell Line (collaborative) with minimized shielding gas consumption
WeldADR	sentin GmbH	-	Germany	Weld ADR (Automatic Defect Recognition), system offers a detection assistant for defects in weld seams on X-ray images . The system automatically marks weld seam defects and is also to include various standards and testing standards in the evaluation
ProMoArcWe	XARION Laser Acoustics GmbH	-	Austria	Process Monitoring of Arc Welding. Based on our unique optical microphone technology, a turnkey-system to assess real-time process quality information will be developed
ARCMONIR	NEW INFRARED TECHNOLOGIES, S.L.	-	Spain	Wire arc additive manufacturing (WAAM). The pilot connects: infrared camera, image processing and control electronics – will be embedded into a single system which will be installed next to the torch and will move with it.
WeldTwin	Nissatech	EMDIP	Serbia	Enabling continuous monitoring and improvement of the welding process using Digital (Weld)Twin created from the data observed in the process