NEPTUN

NEW APPROACH TO INNOVATIVE TECHNOLOGIES IN MANUFACTURING

Deliverable 5.5

Dedicated Stakeholders and Industry Info Day

Work package No. 5 – Visibility & Social Media

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Lead participant: Gdańsk Tech

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Revision History

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Maciej Zaremba (Gdańsk Tech)	Report after Neptun Stakeholders and industry InfoDay	12.01.2023

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1. Introduction

NEPTUN Stakeholders and industry Info Day was held on January 12, 2023 in the premises of Eureka hotel in Sopot. The invitations were send to local and regional companies and institutions who might be interested in the outcomes of the project, including NEPTUN Cluster of Excellence. As many as 47 persons representing industrial and academic environment attended the meeting. Over 20 regional companies were represented at the meeting.

2. NEPTUN Stakeholders and industry Info Day

NEPTUN Stakeholders and industry Info Day proceedings started at 4 p.m. on January 12, 2023. Guests who arrived to the conference hall in the premises of Eureka hotel in Sopot were welcomed by professor Mariusz Deja, who expressed hope that the meeting will not only provide information about the project but that it will also start discussion about Industry 4.0, cooperation between the industry and scientific community and benefits that can be achieved by all the stakeholders.

Next, the floor was given to Marek Chodnicki, project manager for NEPTUN at GDAŃSK TECH, who presented the idea behind the project, its objectives and goals, with special emphasis on the Cluster of Excellence which is one of the key products of the project. In a brief discussion that followed this presentation, the participants of the meeting voiced their interest in the project outcome and benefits that it can bring to potential stakeholders.

In the next presentation, professor Deja and dr Chodnicki presented the assumptions and general ideas of Industry 4.0 and a roadmap that could be used to upgrade local

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and regional enterprises to the new industrial standard. Members of the industrial community present at the meeting enriched the presentation with their own examples. In the brief discussion that followed, all the parties agreed that it is necessary to create a body which will serve as a board of advisors and guides in order to ensure that the transition to Industry 4.0 is efficient and as quick as possible.

The next presentations delivered by professor Marcin Łuczak representing Gdańsk Tech and Center for the Off-shore Wind Energy, and Jakub Kaszuba from Base Group Ltd. were more practical in their character. Mr Łuczak delivered a presentation regarding the implementation of the Digital Twin technology used to model a blade of a wind turbine rotor. Mr Kaszuba presented the implementation of the Industry 4.0 concept in Base Group. Experience shared by both presenters was very valuable and sparked a lively discussion.

The final presentation of NEPTUN Stakeholders and industry Info Day was delivered by Marek Chodnicki. It was dedicated to the assumptions of the Cluster of Excellence for Manufacturers which will be created within the NEPTUN project.

3. Conclusions

All the persons gathered at the meeting agreed that there is a need to introduce a set of guidelines that can be followed by the representatives of industrial and academic societies, but also by local and regional governments and law-givers. A special emphasis was put on the necessary cooperation between the industrialists and scientists – participants of the meeting agreed that this collaboration has a valid meaning for the introduction of Industry 4.0. Another important issue raised by the guests was the necessity to upgrade and modify the academic curricula in order to educate engineers and MSc's and ensure that they are ready to work in Industry 4.0

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environment. Participants of the meeting representing the local and regional industry expressed their interest in joining or, at least, supporting the Cluster of Excellence. They also noted that Project NEPTUN is very promising and expressed their hope that it will be successful, since it has a potential of bringing substantial benefits, both intellectual and physical to all the stakeholders.

4. Photos and figures

Fig. 1 – NEPTUN Stakeholders and industry Info Day Agenda (in Polish)

NEPTUN Stakeholders and Industry Info Day, Sopot, 12 stycznia 2023

Agenda spotkania:

- Przywitanie uczestników - Mariusz Deja, Politechnika Gdańska, prodziekan ds. współpracy WIMiO
- Prezentacja celów projektu NEPTUN - Marek Chodnicki, Politechnika Gdańska, kierownik projektu NEPTUN
- Przemysł 4.0 – założenia, mapy drogowe - Mariusz Deja, Marek Chodnicki
- Wdrożenie techniki Digital Twin na przykładzie łopaty turbiny wiatrowej - Marcin Łuczak, Politechnika Gdańska, dyrektor Centrum Morskiej Energetyki Wiatrowej
- Wdrożenie koncepcji Przemysłu 4.0 w MŚP na przykładzie firmy Base Group Sp. z o. o. - Jakub Kaszuba, Base Group Sp. z o. o., Prezes Zarządu
- Założenia powoływanego Klastra Doskonałości dla Wytwórców - Marek Chodnicki
- Dyskusja
- Uroczysta kolacja

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Translation of the agenda:

- Welcoming the invited guests – Mariusz Deja, Gdańsk Tech, Vice-Dean for cooperation, Faculty of Mechanical Engineering and Ship Technology (FMEST)
- Presentation of the NEPTUN project goals and products – Marek Chodnicki, Gdańsk Tech, manager of the NEPTUN project, FMEST
- Industry 4.0 – Assumptions, road map – Mariusz Deja, Marek Chodnicki, Gdańsk Tech, FMEST
- Implementation of the digital twin technology exemplified by the wind turbine blade, Marcin Łuczak, Gdańsk Tech, head of the Center for the off-shore wind energy
- Implementation of the Industry 4.0 concept in an enterprise, exemplified by Base Group Ltd, Jakub Kaszuba Base Group CEO
- Assumptions for the Cluster of Excellence for Manufacturers – Marek Chodnicki, Gdańsk Tech, FMEST
- Discussion
- Dinner

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Fig. 2 Attendance list

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NEPTUN Stakeholders and industry Info Day, Sopot, 12 January 2023

ATTENDANCE LIST

No.	Name and surname	Institution	Signature
1.	Marek Chodnicki	Politechnika Gdańska	
2.	Paweł Szalewski	Politechnika Gdańska	
3.	Mariusz Deja	Politechnika Gdańska	
4.	Patrycja Oryl	Politechnika Gdańska	
5.	Maciej Zaremba	Politechnika Gdańska	
6.	Marcin Łuczak	Centrum Morskiej Energetyki Wiatrowej PG	
7.	Mateusz Stępkowski	Kongsberg Maritime CM Sp. z o.o.	
8.	Oktawian Leszkowski	Motor Nauta	
9.	Sławomir Bałdyga	PRS S.A.	
10.	Katarzyna Kisielewska	ALFA FORWARDING LTD. Sp. z o.o.	
11.	Tomasz Grzenia	Marion Sp. z o.o.	
12.	Wojciech Olszewski	Politechnika Gdańska	
13.	Zdzisław Kwidziński	Porta KMI Poland S.A.	
14.	Joanna Kotowicz	Porta KMI Poland S.A.	
15.	Jacek Frost	Politechnika Gdańska	
16.	Przemysław Zabaryłło	HYDROMEGA	
17.	Stanisław Pogorzelski	Przedsiębiorstwo Usług Komunalnych Sp. z o.o	
18.	Alina Guzik	Politechnika Gdańska	
19.	Katarzyna Romantowska-Jaskólska	DAMEN ENGINEERING GDAŃSK SP. Z O.O.	
20.	Małgorzata Musiał	Małgorzata Musiał	
21.	Michał Tur	Rotor-Vent Sp. z o.o.	

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22.	Edmund Wittbrodt	Politechnika Gdańska	
23.	Magdalena Wójtowicz	Gdańska Fundacja Przedsiębiorczości Inkubator Starter	
24.	Anna Dembicka	Politechnika Gdańska	
25.	Krzysztof Czwatschka	DAMEN ENGINEERING GDAŃSK SP. Z O.O.	
26.	Piotr Wnorowski	Flex	
27.	Joanna Mazurowska	MK Doradcy Sp. z o.o.	
28.	Marcin Drewczyński	Marcin Drewczyński Usługi Inżynieryjne	
29.	Aleksandra Laska	Politechnika Gdańska	
30.	Dariusz Naruszewicz	PRADMA Sp. z o. o.	
31.	Paweł Śliwiński	Politechnika Gdańska	
32.	Roman Jakubek	Mechanika Radmor Sp z o.o.	
33.	Krzysztof Kaminski	Integra BROP sp. z o.o.	
34.	Monika Hryniewicka	H+H Polska Sp. z o.o.	
35.	Patryk Żyła	Politechnika Gdańska	
36.	Marcin Kismanowski	BIBUS MENOS sp. Z O.O.	
37.	Wiktoria Wojnicz	Politechnika Gdańska	
38.	Tomasz Dziewulski	Gitary Mayones sc	
39.	Maximilian Minta	Neptun Studio	
40.	Mieczysław Siemiątkowski	Politechnika Gdańska	
41.	Krzysztof Madry	Base Group Sp. z o.o.	
42.	Jakub Preinl	BIBUS MENOS	
43.	Justyna Szostak	Politechnika Gdańska	
44.	Tomasz Hinz	GdańskTech	
45.	Aleksandra Wiśniewska	Politechnika Gdańska	
46.	Anna Leszczyńska	Expom S.A.	

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47.	Rafał Domżalski	Expom S.A.	
48.	Marcin Miedzinski	Grupa Przemysłowa Baltic	
49.	Fryderyk Michalak	Grupa Przemysłowa Baltic	
50.	Agnieszka Arent	Grupa Przemysłowa Baltic	
51.	Ewa Kierska	Mk Doradcy Sp. z o.o.	
52.	Małgorzta Mytych	Mk Doradcy Sp. z o.o.	
53.	Zbigniew Łubniewski	Politechnika Gdańska	
54.	Anna Zielińska	Pomorska Specjalna Strefa Ekonomiczna Sp. z o.o.	
55.	Michał Bąk	POLBOAT	
56.	Paweł Zajączkowski	Scalac sp. z o.o.	
57.	Jakub Kaszuba	Base Group Sp. z o.o.	
58.	Marek Kuskowski	KOMA Sp. z.o.o. Sp. K.	
59.	Grzegorz Kozłowski	Cador Consulting sp. z o.o.	
60.	Anna Wendt	Politechnika Gdańska	Anna Wendt
61.	Tomasz Dębiec	Argus Maszyny Sp. z o.o.	
62.	Mateusz Czapski	Koło Naukowe SimLE	M. Czapski
63.	Natalia Czortek	SiMLE PG	
64.	Piotr Wiśniewski	Huber + Suhner	
65.	Wojciech Bobrowski	PG Politechnika Gdańska	
66.	Michał Mazur	SiMLE PG	
67.	Julia Godlewska	WMiO PG	Godlewska
68.	CEZARY ZRODOWSKI	Politechnika Gdańska	
69.	Michał Krogulski	Politechnika Gdańska	
70.	Dominika Lelek		

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Fig 3, 4, 5, 6 – Photos

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