



**FIT-4-NMP**

Strategic and targeted support  
to incentivise talented newcomers  
to NMP projects under Horizon Europe

## **HIGH-PERFORMANCE and SUSTAINABLE COMPOSITES INNOVATION WORKSHOP TU DRESDEN 13-14.10.2022**

*NOMA RESINS SP. Z O. O.  
Bartłomiej Bereska, PhD, Eng.  
Poland*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 958255

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**Producer of state-of-the-art epoxy systems, prepregs and auxiliary materials for composite industry**

**Throughout the years we developed our own know-how based on experience in composite industry as well as chemical industry**

**Our R&D team consists of highly skilled and passionate people ready to solve any customers problem.**



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# **HORIZON-CL4-2023-TWIN-TRANSITION-01-31:** ENERGY EFFICIENCY BREAKTHROUGHS IN THE PROCESS INDUSTRIES (PROCESSES4PLANET PARTNERSHIP) (RIA)

NOMA Resins Sp. z o. o. is currently working on carbon and glass preregs for filament winding processes.

Our idea of contribution for this project is based on composite pipes for hydrogen transportation being a type IV, including thermoplastic liner along with winded outer structure.

We focus on development of functionalized epoxy matrix to achieve several goals: low hydrogen permeability, high Tg and self retardancy.



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**NOMA Resins was formed by people experienced in R&D work focused on industrial applications – including the biggest Polish chemical companies, i.e. Zakłady Azotowe S.A., Ciech, Orlen, Synthos and many more and industrial partner – Plaston-P Sp. z o. o., being a Polish leader in composite pipes manufacturing for mining industry.**

**Currently we are leading four EU projects focused on composites for various applications. We have laboratories equipped with infrastructure for chemistry development, mechanical testing of composites as well as industrial and demi-industrial lines for evaluation of new projects on industrial scale.**

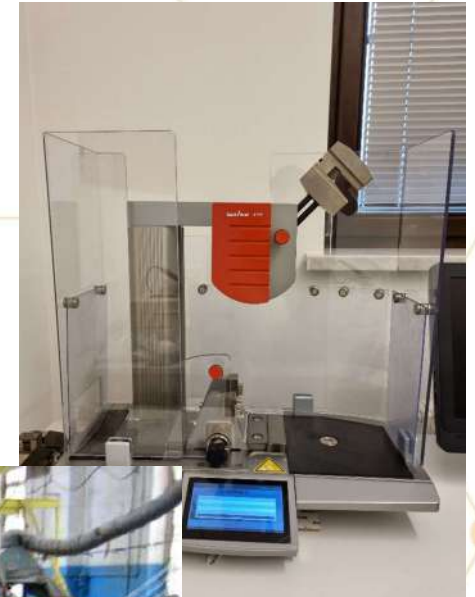


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# HORIZON-CL4-2023-TWIN-TRANSITION-01-31 HORIZON-CL4-2024-RESILIENCE-01-24 RELEVANT EQUIPMENT AND FACILITIES

1. Fully equipped chemical lab for development of new matrices (resins)
2. Mechanical lab equipped with machines for tensile and flexural strength (10 and 100 kN), impact strength (Charpy), HDT.
3. Prepreg line, filament winding lines, SMC line and reactors for production of epoxy resins with capacity 3 tons/per day.



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