

## Łukasiewicz

Institute of Non-Ferrous Metals

### CONTACT

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# **BDNPWRE**

## **Material-efficient Cu wire-based 3D** printing technology

The objective of the project is the development of new wire as a feedstock material for the 3DMP® process which belongs to the Wire Arc Additive Manufacturing (WAAM). In this project commercial Cu based wires are tested and modified as well as new chemical compositions of wires is developed. Another outcome of the project will be a 3D printed element working in seawater environment such as a ship propeller using the new wire. It will also result in a ready to implement 3DMP® technology with adjusted parametres for printing elements operating in marine environments.







### CONSORTIUM

### **Łukasiewicz Research Network - Institute of Non-Ferrous Metals**

- Development of the Cu-based alloys



Area Accelleration (D2)

Segment Upscalling (D2.2)

Duration 2019-01-01 - 2021-12-31

Supported by



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