

METAL MATRIX NANO-COMPOSITE COATINGS UTILIZATION AS ALTERNATIVE TO HARD CHROMIUM



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How does the MOZART exploitation work?

A key aspect of every research project that is funded by EC are the exploitation activities.

But what do we mean when we refer to exploitation of results & how does it work?

According to the EC, exploitation is about using project results for commercial, societal, or political purposes^[1]. It has as a primary goal to identify the best ways to utilize the research results of a project for the benefit of innovation, the economy and society. Many times, successful exploitation activities can lead to new legislation or recommendations for policymakers and industrial stakeholders.



In MOZART we are tackling an environmental and societal problem that opens a great market opportunity paving the way to safer and sustainable alternatives for the coating and finishing industry. Therefore, there is room for the MOZART partners to reinforce their market positions by providing the coating market with innovative solutions and properly exploiting the results of the project.

[1]: <https://op.europa.eu/en/publication-detail/-/publication/58ad3394-0a63-11ee-b12e-01aa75ed71a1/language-en/format-PDF/source-287940279>



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To achieve this and maximise the potential benefits for each partner, a proper exploitation plan is crucial and based on the following key results:

- ▲ Two, REACH compliant, families of Ni-matrix electroplating bath formulations.
- ▲ Modified Pilot Lines
- ▲ In-silico technologies (AI models, simulations)
- ▲ Monitoring technology for online characterisation of NPs
- ▲ An online Decision Support Tool for the implementation of SSbD solutions
- ▲ 3 end application components (helical gears for motor engines, stamping die for precision tools and automotive parts) coated with MOZARTS coatings.

Based on these results the exploitation planning methodology of MOZART focuses on 4 main pillars

KER General Assessment

- ▲ Identification of KERs
- ▲ Exploitation Pathways

Innovation Potential

- ▲ State of the art assessment
- ▲ PESTLE & SWOT analysis

Business Planning

- ▲ Market Analysis
- ▲ Risk Analysis
- ▲ Financial Analysis
- ▲ Business model Canvas

IPR Management

- ▲ Foreground & Background IP
- ▲ IPR Handling
- ▲ Ownership of KERs

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