



EUROfusion

ODS @ Zoz

Large - Scale Manufacturing Demonstration Facility Olpe

Oxide Dispersion Strengthened Alloys for Innovative Energy Systems

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Zoz GmbH
Prof. Henning Zoz
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Letter of Acknowledgement

Dear Professor Zoz,

This is to confirm and acknowledge that the Zoz GmbH in Wenden, Germany, has been involved already since many years in the European Nuclear Fusion Programme. Within the current EURATOM Framework Programme, i.e., Horizon Europe 2021-2025, the Zoz company participates as an industrial subcontractor in the EUROfusion project. Its contributions include R&D work and services in the area of materials development for extremely loaded components, such as the first wall of components facing the plasma in future fusion reactors, i.e., the breeding blankets. The current contributions comprise:

- Development of a cost-effective large-scale mechanical alloying route for reduced activation oxide-dispersion-strengthened (ODS) steel powders in the several tons range.
- Development of a scalable industrial processing route for tungsten alloy powders as semi-finished products towards self-passivating "smart alloys".
- Provider of products and services in the field of powder metallurgy, like for example, high energy ball mills, mechanical alloying, design and construction of powder processing facilities.

These services and contributions play an important role in the EUROfusion materials development work package (WPMAT), specifically in the areas of High Heat Flux Materials (HHFM) and Steel Development and Qualification (SDQ).

Yours Sincerely,

Prof. dr. A.J.H. Donné
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