

HORIZON EUROPE PARTNER SEARCH FORM

Call Topic(s): 'Proof of market' to improve valorisation and commercialisation of Horizon generated R&I results (IA) HORIZON-CL4-2026-01-MAT-PROD-48

Project Type: Innovation Action (IA)

Are you working with any other partners on this topic?: Czech Republic

EXPERTISE/COMMITMENT OFFERED

Form of Participation in a Horizon Europe Project: I am planning to coordinate a project and I am looking for Project Partners

Description of Researcher/Research Team Expertise: The GANLE research team combines strong expertise in GaN-based power-electronics devices with extensive experience in Proof-of-Market validation, technology transfer and exploitation strategy. The team's competence covers device design and characterisation, interpretation of industrial requirements, competitive positioning and market-oriented valorisation of IP-protected semiconductor technologies. This profile enables credible engagement with industrial partners and supports evidence-based post-project commercialisation pathways.

Keywords Specifying Your Expertise: GaN power electronics; Vertical GaN transistors; Proof of Market validation; Industrial customer discovery; Technology valorisation; Commercialisation roadmap; Semiconductor exploitation.

Activity Offered: Technology, Demonstration, Dissemination

Involvement Proposed/Added-Value to Consortia: The GANLE consortium seeks market- and industry-oriented partners to support Proof-of-Market validation of an IP-protected GaN power-electronics technology. Partner involvement will focus on industrial feedback, customer discovery, competitive positioning and assessment of credible exploitation routes, rather than on further R&D. The added value lies in strengthening market evidence, improving exploitation readiness and shaping realistic post-project commercialisation pathways, while offering partners early insight into a validated GaN technology with strong application potential.

PROFILE OF PARTNER SOUGHT

Role: Dissemination, Demonstration

Country / Region: Leading Countries

Expertise Required: Expertise in industrial power-electronics applications, GaN semiconductor adoption, customer discovery and industrial validation, competitive positioning, and commercialisation of IP-protected hardware technologies. Experience with market readiness assessment, exploitation pathways and industry-driven feedback for deep-tech innovations is particularly relevant.

PREVIOUS EXPERIENCE

Short Introduction of Key Areas of your previous Research/Innovation projects:

Previous research and innovation projects of the GANLE team cover GaN-based power-electronics devices, including design and validation of normally-off and vertical GaN transistors, as well as recent Horizon Europe activities dedicated to technology valorisation, industrial validation and Proof-of-Market preparation of IP-protected semiconductor technologies.

Have you previously participated in a Framework Programme (FP) European project?: Yes

Please select the applicable ones: Yes

Please write Project Title / Acronym:

Describe briefly your role in the project and activities performed:

CONTACT DATA

Organisation: Slovak Academy of Sciences

Research Organisation Type: Research Organisation

Department: Centre for Advanced Materials Application

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CONSENT TO INFORMATION SHARING

I agree with the publication of my contact data: Yes