

Enabling Research and Innovation with Integrated Graphene and 2D Materials

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Graphene and other 2D materials offer groundbreaking possibilities for next-generation electronic, photonic, and sensing applications [1]. However, integrating them into scalable technologies remains a significant challenge. AMO provides foundry services to support academia and industry in developing innovative solutions and applications by facilitating custom device fabrication and the integration of graphene and 2D materials [2]. AMO's mission is to connect basic research with industrial applications and to assist in transitioning from laboratory prototypes to practical technologies. These services foster collaboration and stimulate progress, paving the way for new technological breakthroughs. Available to all research and industry stakeholders, these offerings can also be accessed through European projects such as 2D-PL and Infrachip, ensuring accessibility for groups with limited budgets.

References

- [1] M. C. Lemme et al., *Nat Commun***13** 1392 (2022)
- [2] Canto, B., Otto, M., Maestre, A. et al. *Nat Commun* **16**, 1417 (2025)