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# Digital Platforms for the Cloud-Edge-IoT, Innovation through Open Source & Software

## Axelera AI : Simplifying & Accelerating AI at the Edge

Giuseppe Garcea, Director of Silicon & Co-founder



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# Axelera AI in a nutshell

- ☁ **Established in July 2021, now 130+ employees, 50+ PhDs** in AI, compiler and VLSI design
- ☁ HQ in Eindhoven (NL), main offices in Zürich (CH), Leuven (BE), Bristol (UK), Florence (IT) , **US operations from August 2023**
- ☁ A breakthrough in **Digital In-Memory Computing (D-IMC) & RISC-V** for AI processing
- ☁ **Started shipping Metis**, our ultra-efficient cost-effective **214 TOPS Edge AI accelerator**
- ☁ **3 Tape outs** in 2.5 years

Axelera experts come from



## HORIZON-CL4-2024-DATA-01-03 Piloting emerging Smart IoT Platforms and decentralized intelligence (IA)



## Impact and next steps

- ☁ Push further the efficiency and optimize the implementation of our core technology based on in memory computing
- ☁ Fine grained power control, multiprecision for weights and activations, explore sparsity



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