



The central logo for Axelera Artificial Intelligence. It features a stylized yellow 'X' symbol on the left, followed by the word 'AXELERA' in large, bold, black, sans-serif capital letters. Below 'AXELERA' is the phrase 'ARTIFICIAL INTELLIGENCE' in smaller, black, sans-serif capital letters. The entire logo is set against a white background with a yellow border.





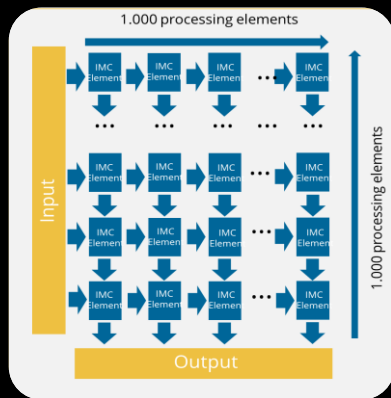
AXELERA
ARTIFICIAL INTELLIGENCE



A powerful, efficient, cost-effective and user-friendly AI hardware and software platform to accelerate computing vision at the edge

Our game-changing AI acceleration technology

In-Memory Computing



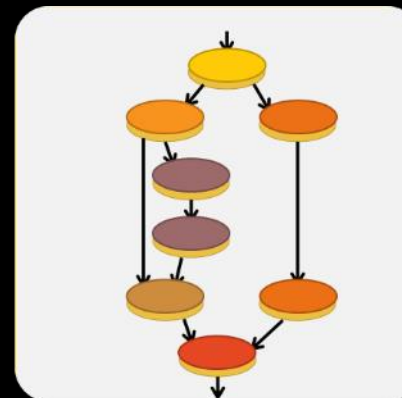
hundreds of tera operations per second

throughput/area 6x-20x higher than market leaders



+

KPN Graph-based execution



high accuracy without retraining

scalable in IMC array size, cores, manufacturing node

Axelera AI - Overview

MANAGEMENT & ADVISORS



Fabrizio Del Maffeo, MSc
CEO & Co-Founder
Axelera AI



Evangelos Eleftheriou, PhD
CTO & Co-Founder
Axelera AI



Prof. Marian Verhelst,
MICAS/KU Leuven
Advisor



Prof. Luca Benini
ETH Zurich & UniBo
Advisor



Prof. Torsten Hoefler
ETH Zurich
Advisor



Andreas Hansson
2^Q VENTURES
Advisor

COMPANY

- Funded in July 2021 with a core team coming from Bitfury AI, IMEC and IBM
- 78 people in Europe with offices in Eindhoven (NL), Leuven (BE), Zurich (CH), ~100pp by E/2022
- More than 30 People holding a PhD with more than 35.000 citations on scientific papers



INVESTORS



ACHIEVEMENTS & FUTURE PLAN



Thetis Core testbench:

Best Performance and Efficiency

- 8.7 mm² in 12nm TSMC
- 48.16 TOPS (Peak)
- 33 TOPS/W (Peak with sparsity)
- 39.4 TOPS with 14.11 TOP/W



User friendly Software Toolchain

- Compiler
- Network Zoo
- Application Composer



AI integrated solutions for a fast integration

- AI accelerator card
- AI computing board
- AI computing systems