



MISSION

- European independence in High Performance Computing Processor Technologies
- EU Exascale machine based on EU processor by 2023
- Based on solid, long-term economic model, go beyond the HPC market
- Address the needs of European Industry (Car manufacturing market)
- End-to-end security



VISION

- High Performance Computing needs for Exascale machines beyond 2022
- Connected mobility and Autonomous Driving computing needs beyond 2023
- Low power CPU needs for Servers and Cloud
- Other markets under exploration (Server, Cloud)

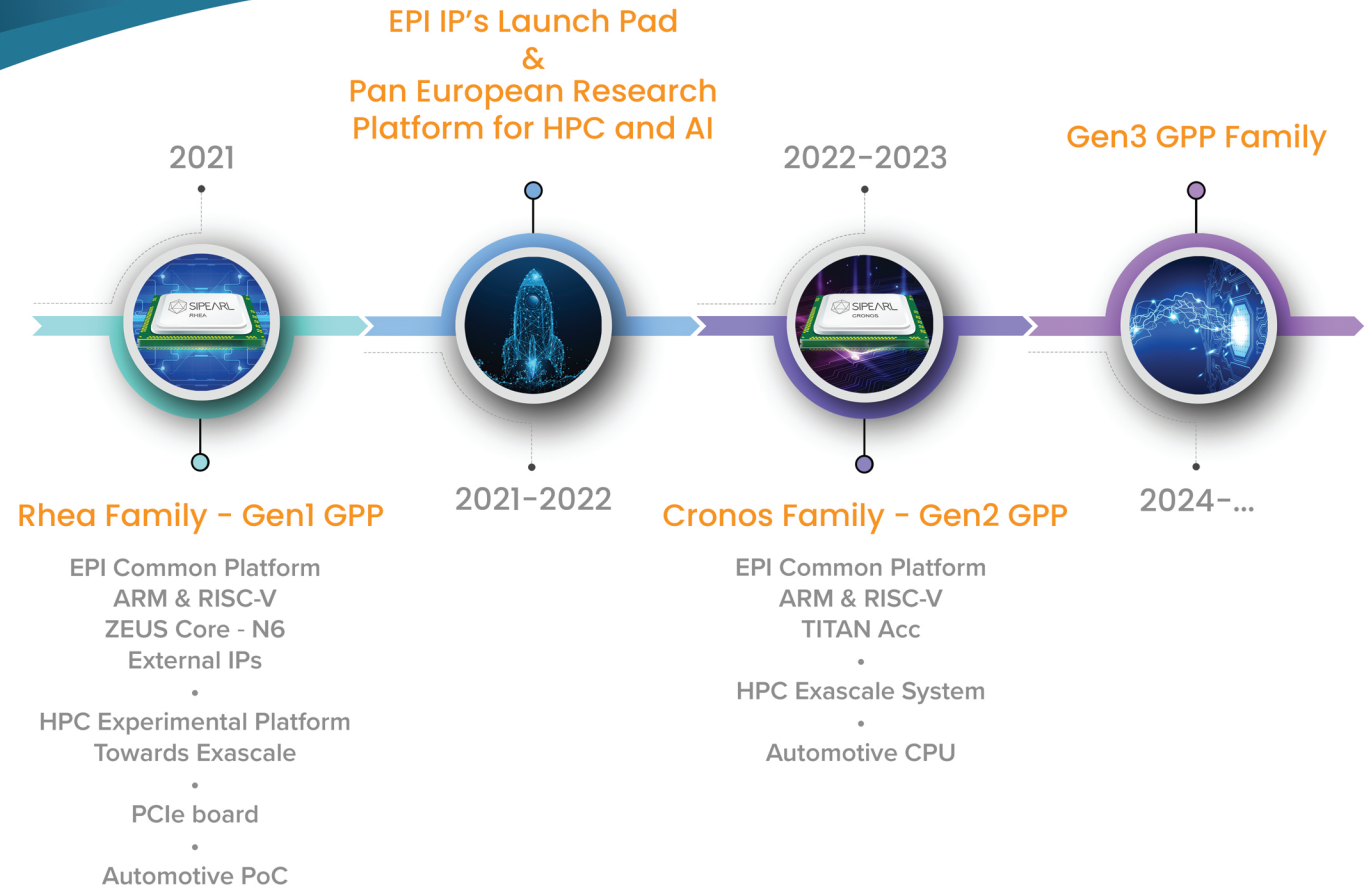


IMPACT

- Strengthening the competitiveness and leadership of European industry and science
- European microprocessor technology with drastically better performance/power ratios
- Tackling important segments of broader and/or emerging HPC and Big-Data markets



ROADMAP



PROJECT PILLARS

- Common platform and global architecture stream
- HPC general purpose processor stream
- Accelerator stream
- Automotive platform stream

EUROPEAN PROCESSOR INITIATIVE



Committed



HPC



eHPC (Automotive)



AI & Big-Data

Future



Cloud & Servers



Space



Industry 4.x



www.european-processor-initiative.eu

**BMW
GROUP**



Rolls-Royce
Motor Cars Limited

Atos



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European
Processor
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FRAMEWORK PARTNERSHIP AGREEMENT IN EUROPEAN
LOW-POWER MICROPROCESSOR TECHNOLOGIES



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