



Bundesministerium  
für Bildung  
und Forschung

Microelectronics.  
Trustworthy and sustainable.  
For Germany and Europe.



# German Priorities for KDT

Important cross-cutting priorities for all thematic priorities

- Trusted electronics as a necessity for European sovereignty
- Green ICT to contribute to the climate change challenge
- SME-friendly topics and conditions to make KDT attractive for smaller companies
- Topics with high innovation gain to avoid large projects with incremental progress
- Focus on industry-led pre-competitive consortia with high risks and TRLs in the range 3-8



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German Microelectronics Framework Programme 2021-24

## **Workshop 4: AI, IoT, Advanced Control and Edge Computing**

- Trusted hardware for AI (e.g. for autonomous driving vehicles, medical applications)
- Trusted chip design (e.g. based on RISC-V, potentially open-source)
- Self-sufficient electronic systems (data and energy)
- Edge computing: hardware tailored to the use case (e.g. energy efficient AI accelerators, zero power sensor technology)