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Velektronik: Platform Trustable Electronics and safe und secure value chains

The aim of the Velektronik project is to create a platform for the topic of "trustworthy electronics". In the process, overarching issues in the three pillars of design, production and analysis of the microelectronics value chain are being addressed. For example, research will be conducted into trustworthy design methods, analysis procedures and approaches for particularly trustworthy manufacturing processes for small series. The envisaged platform will focus on the technological overview, contributions to the necessary standardisation, the network of research and industry as well as the ultimate know-how in order to provide concrete answers with solution concepts to the increasing demand for higher trustworthiness in electronics. A strong practical orientation is ensured via an industry advisory board, so that a strong industrial relevance and acceptance are guaranteed for the work.

If successful, technological sovereignty over trustworthy electronics for German industry and the public sector will be improved by a significant step. The indirect goal of the project is to effectively support companies and ensure the supply of trustworthy electronics.

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- Fraunhofer Institut für Integrierte Schaltungen (IIS)
- Fraunhofer Institut für Photonische Mikrosysteme (IPMS)
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- Fraunhofer-Institut für Mikrostruktur von Werkstoffen und Systemen (IMWS)
- [Fraunhofer-Verbund Mikroelektronik](#)
- IHP GmbH

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Website:

<https://www.velektronik.de/>

Used Abbreviations

Abbreviation	Meaning
PR	Project Report
SPR	Short Project Report
PN	Project News
FPR	Final Project Report

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