

Creonic Engages in Numerous Research Projects within the 6G Platform



Kaiserslautern, Germany, August 17, 2023 – Creonic, the leading provider of IP cores for satellite communications, proudly announces its active participation in multiple cutting-edge research projects within the realm of the 6G Platform.

By actively engaging in 6G research, Creonic aims to develop state-of-the-art IP cores and solutions that are indispensable to build more efficient, reliable, and intelligent networks. Through its involvement in five research projects organized under the 6G Platform¹ and funded by the BMBF², our company demonstrates its dedication to leveraging its expertise, resources, and technological innovations in order to shape the future of wireless communication. These projects include:

- [6G Campusens](#)
- [6G Terakom](#)
- [6G TakeOff](#)
- [FunKI](#)
- [AI-Net Antillas](#)

The „Platform for Future Communication Technologies and 6G (6G Platform)“ is a collaborative platform that aims to foster innovation, knowledge sharing, and collaboration in the field of next generation communication networks. The goal of the platform is both to make scientific contributions to the content design of 6G and to ensure the scientific-organizational support of the processes that are necessary for the successful implementation of the German-European 6G program. Focus will be placed on achieving 3 goals

- Energy efficiency and sustainability
- Technology and digital sovereignty
- Cyber-security and resilience by design

About Creonic GmbH

Creonic is an ISO 9001:2015 certified provider of ready-for-use IP cores for wired, wireless, fiber, and free-space optical communications.

All relevant digital signal processing algorithms are covered, including, but not limited to, forward error correction, modulation, equalization, and demodulation.

The company offers the richest product portfolio in this field, covering standards like 3GPP 5G, DVB-S2X, DVB-RCS2, CCSDS, and WiFi.

The products are applicable for ASIC and FPGA technologies and comply with the highest requirements with respect to quality and performance.

For more information please visit our website at www.creonic.com.

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1 <https://www.forschung-it-sicherheit-kommunikationssysteme.de/projekte/6g-plattform>

2 Federal Ministry of Education and Research

The German 6G program was announced in April 2021:

- 6G Platform (2021-2025)
- Four 6G Research Hubs (2021-2025)
- Eighteen 6G Industry Projects (2022-2025)
- Seven Projects on Resilience (2023-2025)

With 18 projects commencing in the second half of 2022, the network has attracted over 70 industry partners, more than 20 universities, and nine research institutes.

Creonic's focus in the industry driven projects is on:

- 1) Microelectronic design for ML algorithms.
- 2) Advanced physical layer technologies to increase reliability, flexibility and energy efficiency.
- 3) Architecture to virtualize dedicated hardware-components of communication networks.

For further information about Creonic's involvement in 6G research projects and its portfolio of IP cores, please visit [our website](#) or contact us.



About 6G Platform Germany

The goal of the project "Platform for Future Communication Technologies and 6G (6G Platform)" is both to make scientific contributions to the content design of 6G and to ensure the scientific-organizational support of the processes that are necessary for the successful implementation of the German-European 6G program.

For further information about the 6G Platform Germany please visit www.6g-platform.com/.