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Partners

The consortium has its roots in the ECSEL-2018 TEMPO project where 19 partners started to work together on the selection of new AI hardware based on three kind of memories (MRAM, FeRAM and RRAM) and validate them through industrial use-cases. To complement the TEMPO project and go further in the development of the mentioned embedded Non-Volatile Memories (eNVM), the ANDANTE project leverages innovative hardware solutions to build strong hardware / software platforms for artificial neural networks (ANN) and spiking neural networks (SNN) processors as a basis for future products in the Edge computing domain, combining extreme power efficiency with robust neuromorphic computing capabilities and demonstrate them in key application areas.

Through the portfolio of R&D in new eNVM and neuromorphic processors, a strong and coherent ecosystem will be developed in the coming years. ANDANTE, and the leading partners of the TEMPO project, decided to leverage the installed ecosystem to bring different application domains to the next level of Edge computing through new and innovative products, which will be smarter, more efficient, lower power consumption and lower cost.

To that end, the existing ecosystem was upgraded by bringing in new complementary partners, in particular OEM (Thales, Alseemar) and end-users (Italagro, Boing, Televes, Cartogalicia) in Digital Farming and Transport to ensure faster market introduction and large-scale take-up.

Also, the technologic base of the ecosystem was extended by IoT sensors suppliers such as Heimann sensor, Eesy innovation, the neuromorphic design house Grai Matter Labs, the semiconductor company Ferroelectric Memory, and additional RTOS and academia partners such as CSEM, Gradiant, Inov, CCIT, Bordeaux-INP, and

University of Erlangen-Nurnberg AU to cover the whole Edge IoT domain value chain and maximise the project's impact and sustainability. The ANDANTE consortium represents 30 partners from 7 EU countries.

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boeing.fr

cartogalicia.com

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GrAI Matter Labs

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gradiant
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for your business

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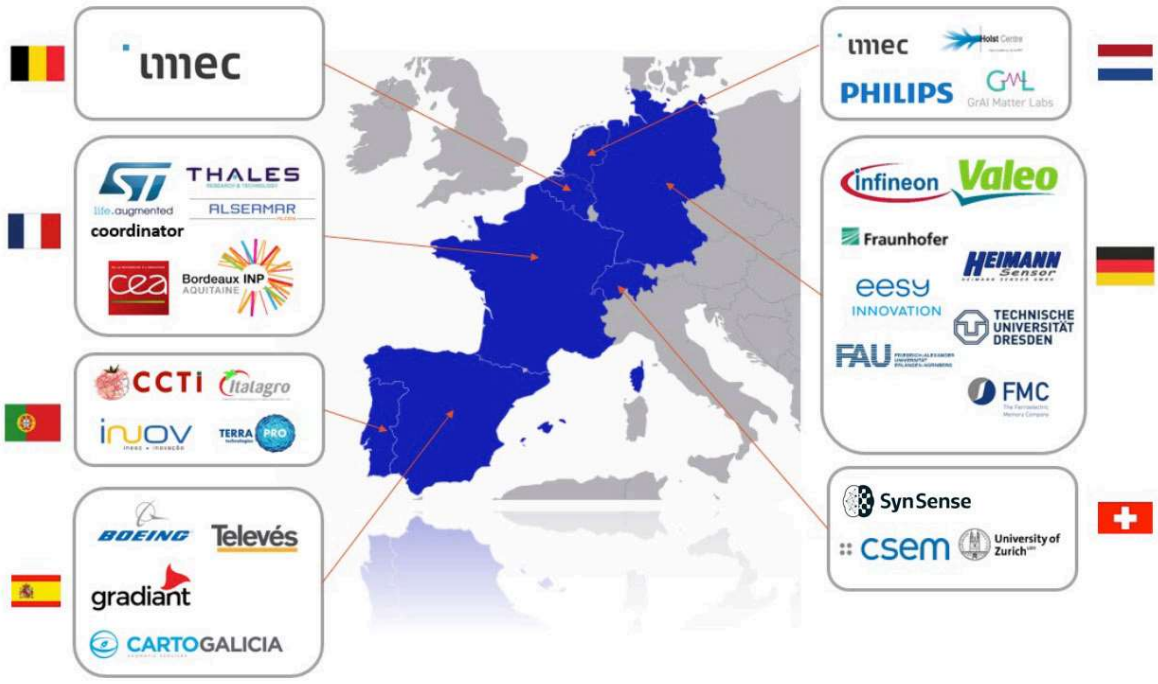

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