CCAM PARTNERSHIP IN HORIZON EUROPE
@ EFECS, Amsterdam
Armin Gräter, 24.11.22

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CCAM
CONNECTED, COOPERATIVE
& AUTOMATED MOBILITY

EUROPEAN LEADERSHIP IN SAFE AND SUSTAINABLE ROAD TRANSPORT THROUGH AUTOMATION

Strengthen Competitiveness of European Industries

Increase Safety in road transport

Reduce negative impact from road transport on environment

Ensure inclusive mobility and good access for all

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CCAM ACTIVITIES AND TIMEFRAME

C Contributing to shape the CCAM Horizon Europe research call topics.

C Networking opportunities at the European and international levels.

C Updating the CCAM Strategic Research and Innovation Agenda (SRIA) with the selected research projects' results.

C Joint actions with many other European and international stakeholders.

C Contributing to the development of European standardisations and regulations.

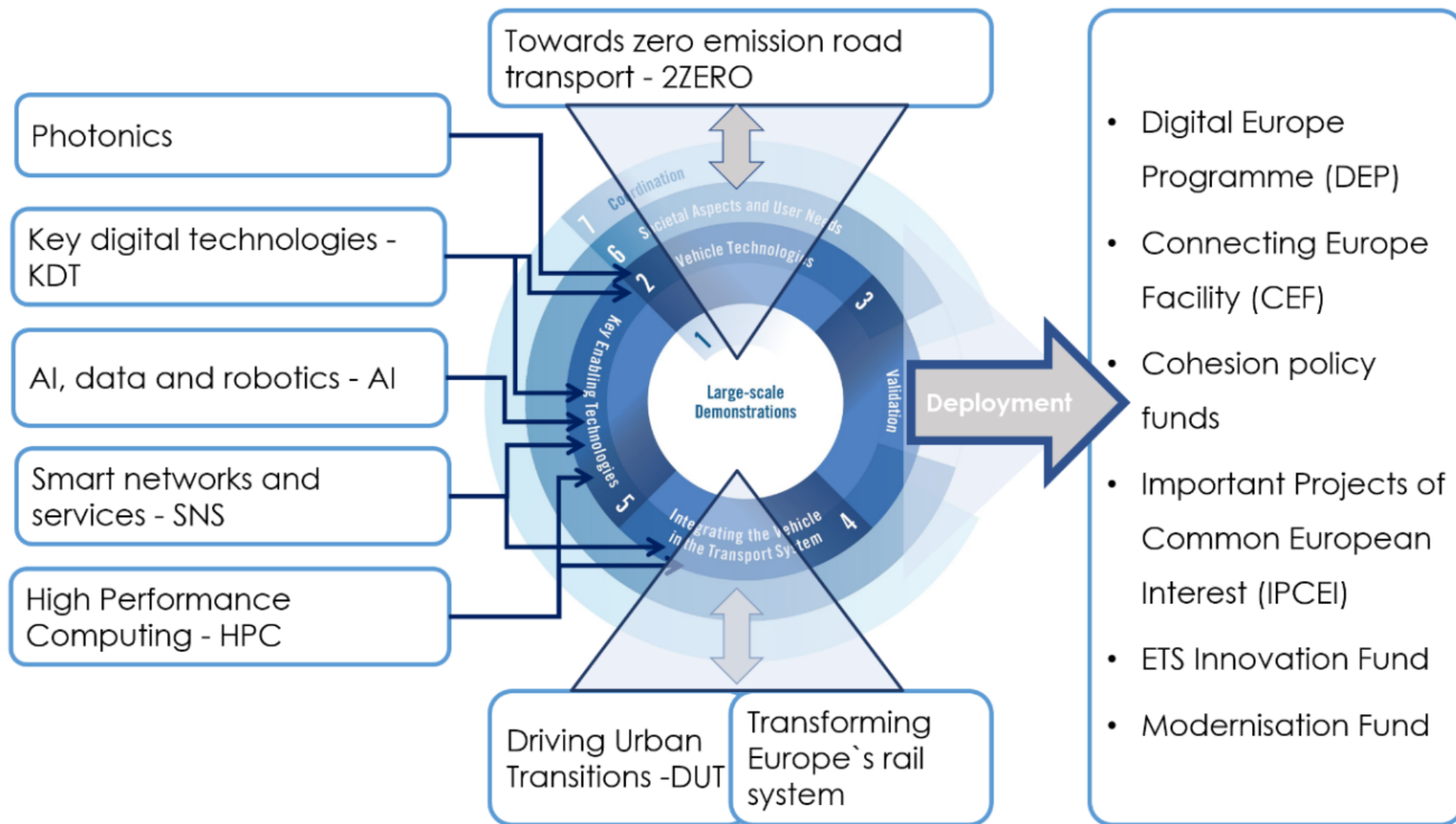**PHASE 1** (2021-2024) | **Developing the building blocks**

PHASE 3 (2028-2030) | **Large-scale Demonstrations**

PHASE 2 (2025-2027) | **Advancing technical maturity**

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CCAM SYNERGIES – THE IDEA

POTENTIAL FIELDS OF COOPERATION

HARDWARE

SOFTWARE

SYSTEM

ARTIFICIAL INTELLIGENCE

BIG DATA

CCAM Cluster 2
Vehicle Technologies

CCAM Cluster 5 Key
Enabling Technologies

CCAM

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Renault and Google team up to develop a 'software defined' vehicle

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KEY POINTS

- Using artificial intelligence, the two companies plan to create a "digital twin" of a new vehicle.

- Digital twins aim to replicate physical objects in a virtual setting so that they can be tested and monitored before real-world deployment.

In this article

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KDT - CCAM COLLABORATION

EPoSS
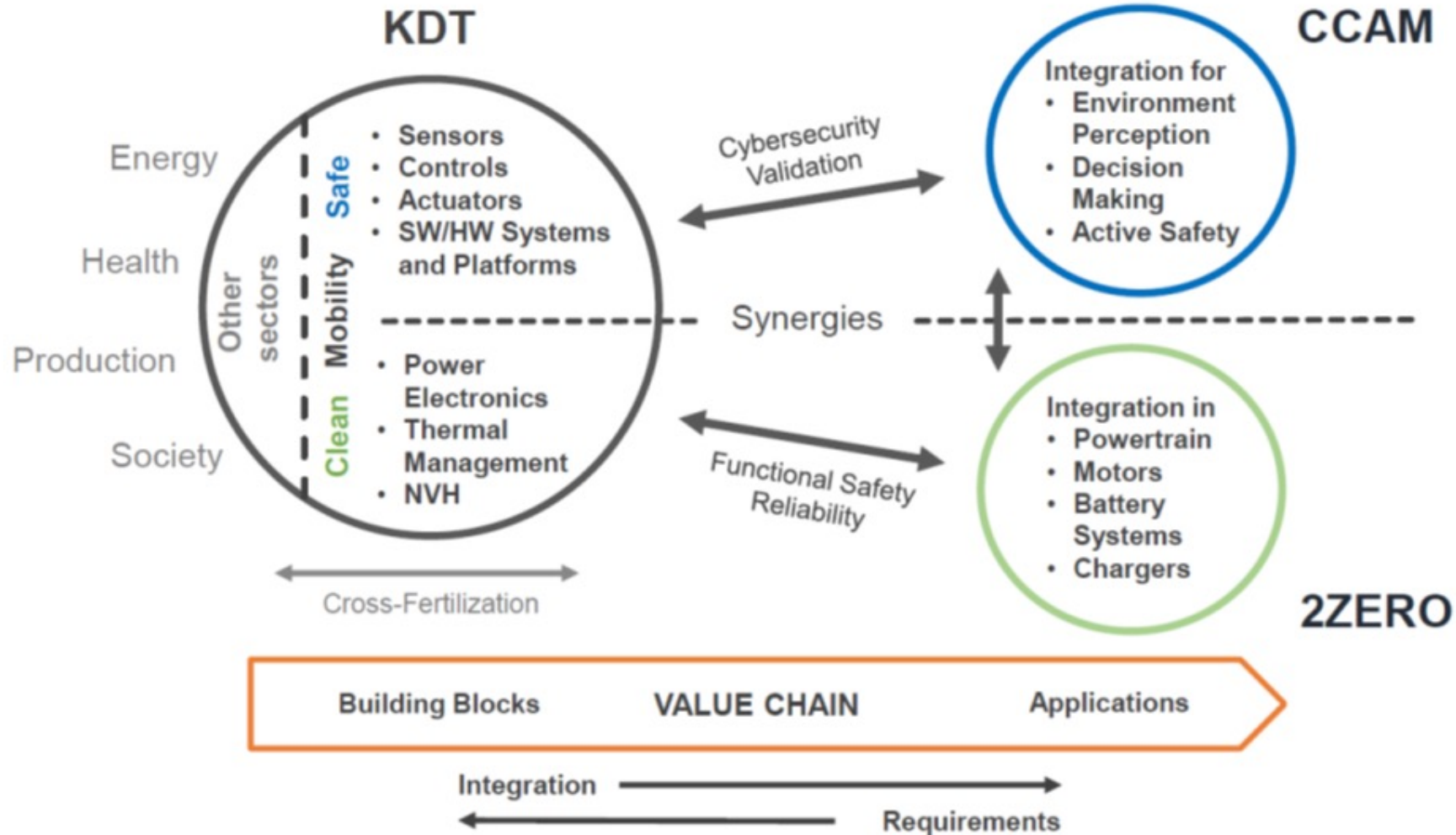
THANK YOU!

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CLUSTER 2: VEHICLE TECHNOLOGIES

R&I Actions

- 2.1 - Environment perception technologies for CCAM

- 2.2 - Safe and reliable on-board decision-making technologies

- 2.3 - Preventive and protective safety for highly automated vehicles

- 2.4 - Human Machine Interaction (HMI) development for on-board technology

- 2.5 - Addressing User-Centric Development of CCAM

Operational Objectives	• Establish a long-term coordination framework for R&I and large-scale testing activities
	• Common methodologies available to validate the safe system function of CCAM use cases by 2026
	• Enable trustworthy interaction between all traffic participants and CCAM by 2028
	• Expand and disseminate the knowledge base on CCAM solutions during the entire Partnership duration

CLUSTER 5: KEY ENABLING TECHNOLOGIES

R&I Actions

- 5.1 - Cybersecure components and systems

- 5.2 - Robustness and resilience

- 5.3 - Explainable concepts and training of AI for CCAM applications

- 5.4 - AI for situational awareness

- 5.5 - System architecture for data sharing

Operational Objectives	• Establish a long-term coordination framework for R&I and large-scale testing activities
	• Exploit new and emerging knowledge fields for large scale demonstrations in 2027
	• Enable trustworthy interaction between all traffic participants and CCAM by 2028
	• Expand and disseminate the knowledge base on CCAM solutions during the entire Partnership duration