

## Press Release

### **Alliance for Open 5G Enterprise Networks (5G-ALOE): Perpetuation of the results of the BMWK-funded lead project CampusOS;**

Berlin, 07.10.2024

The aim of the [CampusOS](#) lead project is to support the development of an ecosystem for open and modular 5G campus networks and to open up application domains for 5G campus networks. This ecosystem is based on open radio technologies and interoperable network components and follows the Open RAN principle. In CampusOS, 22 partners from industry and research are developing network architectures and technologies that are suitable for implementing application scenarios in industry. They are also investigating various operating models and testing the interoperability and performance of the solutions in reference test fields. In this way, blueprints of 5G campus network solutions for different industries are created. The project is being led by the Fraunhofer Institute HHI from a provider perspective and Fraunhofer FOKUS from a user perspective.

The project results help to ensure manufacturer independence, promote more competition and accelerate innovation. They also strengthen the digital sovereignty of companies in Germany and Europe.

A legal framework is currently being developed to enable ecosystem players to participate in results beyond the term of CampusOS and thereby create a sustainable networking platform. The founding of the Alliance for Open 5G Enterprise Networks (5G-ALOE) is planned for this purpose. The perpetuation concept was presented for the first time at the „[Tage der digitalen Technologien](#)“ (Digital Technologies Days), the BMWK event on October 7-8 at the BCC in Berlin.

#### **Alliance for Open 5G Enterprise Networks (5G-ALOE)**

The focus of the newly founded Alliance with a European orientation is:

##### **1. Components catalog for Open 5G Enterprise Networks**

This catalog encompasses functional building blocks for open and modular 5G networks, blueprints and solution building blocks for the realization of end-to-end solutions. In addition, the catalog contains information on successfully tested combinations of HW and SW components. These combinations have been evaluated in reference testbeds, and their performance is documented in so-called “badges”. The components catalog is a central tool on the way from industrial requirements to the realization of tailor-made 5G networks.

##### **2. Reference and test environments**

The plan is to extend the reference and test environments, which are already in operation, and to make them available für further trials and tests in the frame of 5G-ALOE.

##### **3. Networking platform**

A holistic networking platform serves to promote exchange between players in the ecosystem, evaluate operator models and transfer knowledge between R&D and users. In addition, the focus is on creating visibility in the political arena as well as cooperation with alliances, associations and politics.

You can find a current overview of the **Perpetuation Platform** here: [Campus-OS — Perpetuation](#).

If we have aroused your interest, please do not hesitate to contact us.