Dear **domOS** subscribers, thank you for following our project. We are very excited to be releasing our third Newsletter and sharing the latest news of our project with you!

domOS **WEBSITE**

We are very excited to share new content on our website!

We have updated our **Approach** section! Read about the overall methodology of the **domOS** project in terms of the approach towards the smart building sector and the vision. The vision is that smart service developers, smart service operators, IoT platform operators, and system integrators offer compatible products or services, presenting a new ecosystem.

Approach

Check out our newly added **Stakeholders** section highlighting the benefits of **domOS** for various key players, including appliance manufacturers, system integrators, building facility operators, smart service developers and operators, IoT platforms for smart building operators, and utilities.

With **domOS**, appliance manufacturers can easily integrate their products into third-party information systems, and system integrators can concentrate on their key business with easy connectivity. Building facility operators can now have a straightforward integration path with only description documents for the involved appliances, while smart service developers and operators have access to digital twins of buildings with energy models and locators to access monitoring and control points.

Stakeholders

Our new **Platforms** section on the **domOS** website showcases the three platforms that have been upgraded to the **domOS** ecosystem specification: cloud.iO, S-IOT, and domOS-Arrowhead.

The **domOS** ecosystem is a specification based on existing and emerging IoT standards, allowing smart services for buildings to be decoupled from the underlying appliances and devices in buildings.

Platforms

The **Demonstrators** section highlights the crucial Demonstrators in **domOS**. Their requirements shaped the design of the **domOS** ecosystem and they host **domOS** compliant IoT platforms.

Each service they demonstrate contributes to energy efficiency, flexibility, and prosumer-friendly energy systems. The goal of the **domOS** ecosystem is to simplify the development and deployment of these services in buildings with diverse appliances and devices. Our demonstrators are located in Sion, Paris, Aalborg, Skive, and Neuchatel.

Demonstrators

NEWS & EVENTS

We are delighted to share our continued participation in the Sustainable Places 2023 conference, marking the fourth consecutive year of our involvement. This year, our coordinator, Dominique Gabioud from the University of Applied Sciences Western Switzerland, presented a compelling paper titled "Decoupling infrastructure and services in smart buildings: the domOS approach" during the Paper Session on "Smart Homes and Buildings." We encourage you to view the session and explore our past contributions to this prestigious event in previous years.

In a high-demand energy era with transforming traditional sources, exploring innovative approaches for sustainable growth is crucial. Read the article, written by our partner INEA, providing insights into the changing dynamics of energy production and consumption, shedding light on the concept of energy flexibility and its potential to revolutionize the way we approach energy management.

Our partners from NEOGRID have written an article "Price Optimization for Heat Pumps: Enhancing Cost Efficiency and Operational Control." Discover how considering the 'other COP' - Cost Of Production - can revolutionize heat pump operation scheduling and improve cost efficiency. Read the full article.

We are excited to share two interviews with our partners Frédéric Revaz from HES-SO Valais and Brian Nielsen from Aalborg University at the EU BUILD UP platform, where they discussed their work within the domOS project and introduced their respective platforms. Full interview available here.

The International Workshop on Architectures for Future Mobile Computing and Internet of Things (FMCIoT 2023) was held in conjunction with ICSOC 2022. The workshop focused on the broad area of Mobile and IoT architectures, including challenges and opportunities, concepts, applications, and future trends that address the challenges mentioned earlier. Read the full article here.

We have launched our brand-new promo materials, a beautifully crafted leaflet, and an eye-catching roll-up poster! They were designed to showcase our unique approach, highlight our exceptional demonstrators, shed light on our ambitious objectives, and celebrate the invaluable support of our esteemed partners.

A new article "domOS: Streamlining the roll-out of smart energy" was featured in the European Energy Innovation Magazine Winter 2022 edition! Written by the project coordinator Dominique Gabioud and our partner Zuzana Tatáková from FENIX TNT. Download the article in our Documents section.

PARTNERS

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