Vaasan yliopisto
UNIVERSITY OF VAASA

VECTORIA

NOVEL POWER INFRA

A shared concept to strengthen interoperability, resilience and innovation across the energy ecosystem

OUTLOOK NEWSLETTER | ISSUE 1 | OCTOBER 2026

*Welcome to the first issue of **Novel Power Infra Outlook** – our renewed newsletter, now shared on LinkedIn as well as by email. It continues the 17 weekly updates sent to partners during 2026 and, from now on, covers everything around Novel Power Infra: events and conferences, achievements, and the progress of related projects such as VECTORIA.*

FEATURED UPDATE | ACHIEVEMENT



Novel Power Infra White Paper published and openly available

Published 17 September 2026 | Launched at the VECTORIA kick-off, University of Vaasa

The white paper *Novel Power Infra – A modular, accreditation-ready framework for testing, validation and system-level innovation in modern power-system technologies* is now openly available.

Its message is simple: Finland already has strong capabilities in simulation, CHIL/PHIL testing, MW-scale physical testing, cyber-security assessment and accredited testing and certification. What is missing is a coherent route through them – a verification, validation and certification (VVC) pathway that carries evidence from simulation through laboratory validation to accredited testing and certification – and a mechanism for adding the capabilities that are still needed.

The paper describes Novel Power Infra as a national, neutral and accreditation-ready framework with physical, digital and virtual layers, and with cyber security, data governance, market modelling and interoperability running across them. It builds on two EnergyVaasa co-design workshops in late 2025 and was refined with comments from international experts through the DERlab network.

Novel Power Infra is closely linked to **Energy Transition Valley**, the University of Vaasa initiative carried out together with the Vaasa energy technology cluster to accelerate research-based solutions for the clean energy transition. A shared research infrastructure lies at the core of Energy Transition Valley – and Novel Power Infra defines what that infrastructure could become for power-system testing, validation and certification. The white paper is also available on the Energy Transition Valley page.

It is also an invitation: manufacturers and system integrators, DSOs and TSOs, testing and certification bodies, research organisations, authorities and funders are welcome to help shape the definition while it is still open.

Read the White Paper | **Energy Transition Valley**

Other Updates

VECTORIA

VECTORIA definition project extended to May 2027

VECTORIA, the University of Vaasa project defining Novel Power Infra, will now run until 31 May 2027. The team is mapping company needs through a survey and interviews, and learning together with leading laboratories in Europe through peer visits and exchange: KEMA Labs and TU Delft hosted the first visits in June, and the University of Strathclyde and AIT Austrian Institute of Technology follow in November. These visits build connections between Novel Power Infra and Europe's research infrastructure community.

The outcome will be two or three development options for Novel Power Infra, each with its own capability sequence, investment profile and operating model.

About VECTORIA



INTERNATIONAL

Novel Power Infra on the road: Vienna and Rome

This autumn, the Novel Power Infra team will take part in two European gatherings: Enlit Europe in Vienna (10–12 November) and ICRI 2026, the International Conference on Research Infrastructures, in Rome (2–4 December), hosted by CNR.

ICRI's focus on research infrastructures as drivers of socio-economic impact speaks directly to what Novel Power Infra aims to be. Attending either event? We would be glad to meet and talk about Novel Power Infra.

Get in touch

COMMUNITY

Follow Novel Power Infra on LinkedIn

News · events · publications

ECOSYSTEM

Join the Novel Power Infra community on LinkedIn

Novel Power Infra now has its own LinkedIn page, and this newsletter is shared there as well as by email. Follow the page for news, publications, events and collaboration opportunities – and pass it on to colleagues working with power-system testing, validation or certification.

Follow on LinkedIn

Upcoming Events

10–12 NOVEMBER 2026

Enlit Europe

Vienna, Austria

Details

2–4 DECEMBER 2026

ICRI 2026 – International Conference on Research Infrastructures

Rome, Italy · hosted by CNR

Details

15–18 MARCH 2027

EnergyWeek 2027

Vaasa City Hall, Finland · Save the date

Details

Stay Connected

Follow Novel Power Infra for project news, publications, events and collaboration opportunities.

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Questions? **Contact Katja Sirviö**.

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