

From Research to **Deployment**

Accelerating innovation through
testing, validation and **deployment**.

p-NET NEWSLETTER
SEPTEMBER 2026

From research to deployment reflects the journey of turning innovative ideas into practical solutions that create real-world impact.

At p-NET, we help bridge the gap between research and real-world application. Through advanced facilities, technical expertise and collaborative environments, emerging technologies are tested, validated and prepared for deployment. By bringing together researchers, industry and technology providers, we enable the evaluation and demonstration of innovative solutions in realistic operational settings, helping accelerate their adoption with confidence.

We are grateful to our partners, researchers, technology providers and innovators who work alongside us. Their expertise and commitment continue to strengthen an ecosystem where research is translated into trusted technologies that address real-world challenges.

We hope you enjoy this edition and thank you for being part of our growing innovation community.

OUR TESTBED
WHERE IDEAS
BECOME REALITY





*by Maria Marinidou
Technical Sales Director
p-NET*

The Infrastructure behind Innovation

p-NET has evolved its infrastructure into a fully operational and highly flexible Testing and Experimentation Facility (TEF) for advanced connectivity and digital services. The facility integrates RAN, Core and Edge platforms from multiple technology suppliers, creating an end-to-end environment that combines carrier-grade infrastructure with experimentation platforms and cloud-native technologies.

[Read more](#)



Supporting Critical Sectors



Innovation reaches its full potential only when it addresses real-world challenges.

At p-NET, we work closely with industry, research organisations and public-sector stakeholders to help transform emerging technologies into practical solutions with measurable impact.

By combining advanced testing and experimentation facilities with collaborative development and validation activities, we support organisations in assessing new technologies under realistic operating conditions before deployment.

This collaborative approach reduces risk, accelerates technology adoption and helps bridge the gap between research excellence and market readiness across sectors such as telecommunications, smart cities, mobility, manufacturing, PPDR and public services.



Marios Nicolaou, Business Development Director, p-NET



TECHNOLOGY SPOTLIGHT

Highlighting the technologies we test, validate and prepare for **real-world impact**.



5G Network Exposure has long been recognised as a key capability for next-generation connectivity, but until now it has rarely been validated in real operational environments. **At p-NET, we've successfully validated it in a live 5G Standalone network.**

Applications can now interact directly with the network through standardised APIs, dynamically requesting connectivity and Quality of Service in real time. This enables new services across multiple sectors, from prioritised connectivity for emergency services and real-time industrial automation to ultra-low latency for cloud gaming and intelligent connectivity for smart ports and logistics.

By validating these capabilities in a live operational environment, p-NET is helping pave the way for more intelligent, programmable 5G networks and new API-driven services.

NEW TECH FORUM



New Tech Forum 2026 marked the launch of **p-NET's new annual flagship event**, bringing together leaders from technology, industry, academia, government, and the creative sectors to explore the future of Intelligent Networks and Digital Twins. The event attracted over 160 registrations attracting experts from across Europe's innovation ecosystem.

The Forum showcased how technologies such as Private 5G, AI, XR, and the Metaverse are driving innovation across sectors, while fostering collaboration and knowledge exchange among key stakeholders. A key message emerging from the Forum was the **importance of turning research and innovation into real-world deployment and business impact**.

Building on the success of its inaugural edition, New Tech Forum is set to become an annual meeting point for Europe's innovation ecosystem.

Stay tuned for New Tech Forum 2027 !



**Watch Highlights
Video**

PROJECT SPOTLIGHT



SUSTAIN-6G OUR SIX OBJECTIVES

The European Sustainability Lighthouse Project



In each issue, we highlight one of the European research projects in which p-NET is involved. This issue features the SNS Lighthouse project **SUSTAIN-6G**, which is driving sustainable innovation for future 6G networks.

Within the project, p-NET contributes to the **6G-enabled Grid Balancing Services** use case and **Joint Communication and Computation Optimisation**, demonstrating how edge intelligence, AI, and cloud-edge computing can improve the efficiency and sustainability of smart energy systems. In parallel, p-NET is developing an energy-aware scheduling and orchestration framework at its **Patras5G** facility to optimise resources and reduce energy consumption while maintaining 5G/6G service performance.

SUSTAIN-6G also establishes a common methodology for evaluating the sustainability impact of future 6G solutions, supporting the development of more resilient, efficient, and sustainable digital ecosystems.



[Find out more](#)

p-NET's PARTNER NEWS

Innovation is driven not only by our own work, but also by the achievements of our wider ecosystem. Here are some highlights from our partners.



A new Artificial Intelligence-powered **early wildfire detection technology has been patented in the United States**, reinforcing Greece's growing international reputation for innovation in civil protection technologies. The patented technology forms the advanced technological core of **WINGS ICT Solutions' wi.breathe** platform.

It has been designed to detect potential fire and smoke outbreaks at their earliest stages - before they spread - and automatically issue real-time alerts, enabling rapid response that can significantly help contain wildfires before they escalate into catastrophic events.

[Read more](#)



Intracom Telecom Expands Strategic Collaboration with Nova

Nova will begin deploying Intracom Telecom's WiBAS™ G5 Smart and WiBAS™ G5 GigaConnect FWA platforms to deliver reliable high-speed enterprise connectivity over Nova's 5G mmWave spectrum at 26.5–27.5 GHz.

[Read more](#)



Demokritos: Award Recognises Greek 6G Innovation for Wildfire Detection and Emergency Response

The Greek pilot of the European 6G-VERSUS project received the "Most Inspiring 6G Use Case" award at the EuCNC & 6G Summit 2026 for its work on collaborative robotics and next-generation communications supporting early wildfire detection and emergency response.

The distinction recognises the B5G/6G Athens Experimentation Platform, jointly developed by NCSR Demokritos and OTE, where Beyond 5G and 6G technologies, AI, edge computing, drones and autonomous robotics are tested under realistic conditions. The project is led by the FRONT Research Group at NCSR Demokritos.



Orange Grove: Strengthening Greece's Tech Transfer Capacity

Research valorisation remains one of the greatest challenges for innovation ecosystems. To address this, Orange Grove, in collaboration with Science-2-Business, launched two programs under the *Entrepreneurial University* initiative.

Tech Transfer Atelier supports researchers and Technology Transfer Officers (TTOs) from universities and research centres across Greece in bringing research to market through licensing, R&D collaborations and spin-off creation. Now in its second cohort, it has supported 14 research teams from 11 institutions, spanning biotechnology, robotics and climate foresight modelling.

Launched in April 2026, **Tech Transfer Curators** supports TTO officers and innovation professionals through workshops, co-design sessions, microlearning, coaching and a peer community, strengthening technology transfer capacity across the ecosystem.



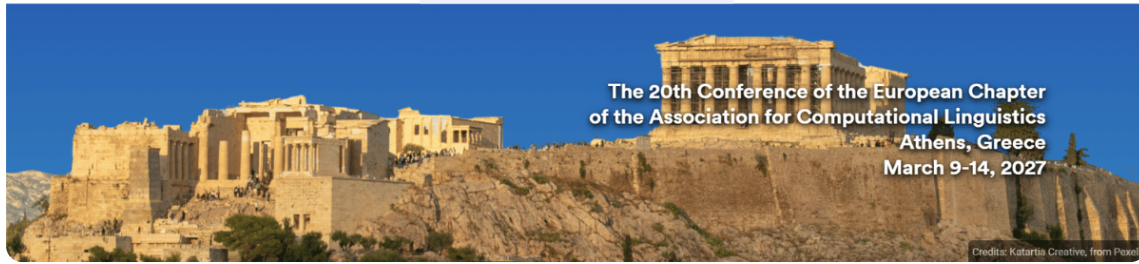
ACTA at Posidonia 2026

ACTA represented the **CUSTODES project**, in which p-NET is also a consortium partner, at **Posidonia 2026**, one of the world's leading international shipping exhibitions, held in Athens, Greece.

The event provided an excellent opportunity to engage with stakeholders from the maritime sector and present CUSTODES' approach to cybersecurity certification in the context of the Cyber Resilience Act (CRA) and the NIS2 Directive. Discussions focused on the evolving cybersecurity challenges facing critical maritime infrastructures and highlighted the importance of strengthening cyber resilience across the industry.



p-NET will be actively participating in **Techritory 2026**, taking place in Riga, Latvia, on **21–22 October 2026**. As one of Europe's leading deep-tech and innovation events, Techritory brings together policymakers, industry leaders, researchers and innovators to exchange ideas, foster collaboration and shape the future of digital technologies.



Congratulations to our partner **NCSR Demokritos**, whose Institute of Informatics & Telecommunications has successfully brought the **20th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2027)** to Athens following a competitive selection process. The conference - one of the world's leading events in Computational Linguistics and Natural Language Processing - will take place at the Athens Concert Hall from **9 - 14 March 2027**.

[Read more](#)

Thank you for being part of our journey and for staying connected with the p-NET community. We look forward to continuing to connect, collaborate and share the latest developments, opportunities and insights as we bring innovative technologies closer to real-world impact.

The p-NET Team



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