

Programme Summit



18-20 November 2025
Bilbao, Spain

From shared ambition to collaborative action: the Summit dives into the forces shaping and testing Europe's energy future. Summit delegates explore urgent themes through bold panels, sharp insights, and real-world stories from real people.

		18 November		19 November		20 November
		AM	PM	AM	PM	AM
<p>EVOLVE STAGE</p> <p>From big vision to real-world action.</p>	<p>Official Enlit Europe Opening Ceremony</p> <p>Enlit Europe's programme kicks off with a ceremonial opening, featuring welcome addresses from political and industry leaders in the Basque Country.</p>	<p>A System-wide Approach to the Energy Transition</p> <p>Is the silo approach to regulation and policy failing? Would a systemic approach work better and what would that look like, considering the growing complexity in the planning and operation of energy systems?</p>	<p>Special Opening Keynote: Making Autonomous Grids a Reality</p> <p>Matthias Rebellius, Member of the Managing Board, Siemens AG and CEO of Smart Infrastructure, Siemens, explains why managing grids is no longer just about efficient generation and distribution, but also about security and resilience, as well as emphasising that all stakeholders have an interest in applying tools like real-time modelling, simulation, and predictive analytics to ensure a safe transition to the energy system of the future.</p>	<p>Grids: Security, Resiliency & Adaptation</p> <p>Against a backdrop of current turbulent geopolitics, an expert panel will explore what Europe can do to achieve energy independence. With a focus on the power grid, they will discuss security of supply in terms of policy, technology and expertise to ultimately create a grid system that is secure, resilient and adaptive.</p>	<p>Think Tank Workshop: What Do We Need to Do to Create Greater Energy System Resilience?</p> <p>Following on from the insights on system resilience shared in the Special Keynote session and those interwoven through this year's Summit Programme, the Think Tank Workshop is exploring in more depth what the industry can do to build-in greater resilience in the energy system. The workshop will approach the issue from a holistic, industry-wide and pan-European perspective, exploring the topic from six different angles: Physical and infrastructure resilience, Cybersecurity and digital resilience, Supply chain and resource resilience, Energy system flexibility and reliability, Utility resilience frameworks in response to major (climate) events, Governance, policy, and social resilience.</p>	
	<p>Special Keynote: Strategies for Achieving Energy System Resilience</p> <p>The resilience of the energy system is topping many boardroom agendas and governments across Europe. So, in this special plenary session, we pose the question: How can we create a more resilient energy system in the face of increasing operational pressures and as our climate continues to change and adverse weather becomes more frequent? Leading industry stakeholders representing the utility, energy retail and technology sectors, will aim to answer this question by sharing their strategic thinking, insights, and real-world expertise on achieving greater system resiliency in a series of keynote speeches.</p>		<p>EU Energy Projects Podcast - Live: Energy and European Ports</p> <p>The Port of Bilbao's take on the clean energy transition for ports.</p>			
	<p>The Great Energy Transition Collaboration: Power & Gas Sectors</p> <p>Unpacking why closer collaboration between the electric power and gas sectors is fundamental to achieving a successful energy transition, while at the same time remaining competitive. An expert panel will explore the opportunities that exist, such as the role of renewable gases in providing grid stability, as well as identifying what the main roadblocks to greater collaboration are and how they can be tackled.</p>	<p>The New Clear Alternative?</p> <p>An exploration of the trends in nuclear power generation, including small modular reactors, to meet the burgeoning demand for reliable energy from data centres and other industrial applications, plus the question of how ready policy & regulation is for this possibility.</p>	<p>Securing Europe's Industrial Competitiveness - an Energy Perspective</p> <p>Explore how Europe can secure industrial competitiveness through smarter energy systems. This session examines grid investment strategies, digitalisation, AI, and electrification to optimise capacity, reduce transition costs, and maximise efficiency, while ensuring innovation, resilience, and affordability in Europe's energy future. It will touch upon the Grid Package that the Commission will release shortly after Enlit Europe 2025 and perhaps even the AI and Electrification Acts that will follow early next year.</p>			<p>Orchestrating Grid Data Architecture</p> <p>The evolution of hyperscale data centers and hybrid cloud. How is the sector adapting to the unprecedented demand for connectivity without compromising data sovereignty?</p>
			<p>EU Energy Projects Podcast - Live: AI and Energy in Symbiosis</p> <p>A deep dive into the EU Commission's plans for AI regulation.</p>			
			<p>AI for Energy, Energy for AI</p> <p>Discover how AI can drive the energy transition while meeting the soaring power needs of data centers. This session explores grid capacity challenges, smarter connections, and innovations ensuring both AI growth and a sustainable, reliable energy future for Europe. It will touch upon the AI Act but won't focus on it.</p>			

	18 November		19 November		20 November
	AM	PM	AM	PM	AM
INSPIRE STAGE Where bold ideas spark.	<p>Press Conference: Grid Modernisation Call to Action</p> <p>Join Ericsson, EUTC and utilities industry partners for the launch of 'A Tipping Point for Europe's Energy System: Why Resilience Must Power the Next Era of Energy'.</p> <p>A new white paper developed by Ericsson, EUTC and European power utilities examines the urgent challenge of securing Europe's energy supply amid accelerating decarbonization, growing distributed energy resources and rising electrification, and explains how modern telecommunications – mission-critical communications – can underpin a more resilient, efficient and secure grid – delivering 1 trillion euros of social wellbeing and economic growth value for Europe in the period 2025-2030.</p> <p>It outlines the increasing risks from cyber and physical attacks, extreme weather and system failures; assesses why fragmented legacy communications across generation, transmission and distribution are unable to meet low-latency, high-availability operational needs; and maps practical steps to strengthen resilience in the energy system thanks to standards-based, interoperable mission-critical communications, real-world lessons from deployments, and the policy, utility and technology actions required.</p> <p>A Tipping Point for Europe's Energy System: Why Resilience Must Power the Next Era of Energy concludes with a clear call to action for policymakers, utilities and the technology ecosystem to collaborate on modernized telecoms as an essential enabler of Europe's grid modernization and resilience.</p>	<p>Accelerating Change: Thriving in the Energy Transition</p> <p>The energy sector aspires to be increasingly digital, more customer centric, and possess greater agility to respond to changing market conditions. Yet many struggle to successfully achieve these. Industry leaders, who are driving such a business transformation right now will share value insights on their own transformation journey.</p>	<p>Grid Edge: Is it Delivering on its Promise?</p> <p>Grid Edge, whether its distributed hardware or software, or business innovations, is widely recognised as a vital innovation in our efforts to ensure that sufficient electric power is available as and when required as we shift towards a more electrified world. However, is it currently delivering on this promise? An expert panel seeks to answer this question.</p>	<p>A Flexibility Rethink?</p> <p>What do we mean when we say "flexibility"? An expert panel goes behind the flexibility buzzword to take a critical look at the state of play and to ask and answer: Do we need to revamp or rethink what's currently being done to provide the vitally needed flexibility in our energy system? And if so, how?</p>	<p>Carbon Capture's Decarbonisation Capability</p> <p>How to realise the significant potential for mitigating climate change by capturing and storing or utilising carbon dioxide emissions from industrial processes and power plants</p>
		<p>Energy Transitions Talk Podcast - Live: Decentralised Solutions Driving The Energy Transition</p> <p>Dr Herbert Diess, Chairman of the Board at The Mobility House, unpacks why he believes decentralised energy solutions are critical to unlocking flexibility, creating novel business models and promoting the advancement of emobility.</p>	<p>Energy Transitions Talk Podcast - Live: Diary of an IPP</p> <p>Javier Vaquerizo, Chief Commercial Officer at ContourGlobal, talks about how one of the sector's most dynamic IPPs is reshaping its business model amid unprecedented market complexity.</p>	<p>Energy Transitions Talk Podcast - Live: Putting Data at the Heart of the DSO Evolution</p> <p>Sébastien Ruiz, CEO of EDF International Networks, highlights the importance of efficient collection and use of data in a changing and challenging DSO environment, sharing the lessons EDF has learned along the way.</p>	
		<p>Workforce Roadmap to 2050</p> <p>Continuing from Enlit's Making it Work report, an expert panel will discuss the key elements of a workforce roadmap that will mean having the right number of people with the right skills in place to deliver our net-zero ambitions by 2050.</p>	<p>Iberian Renewables Innovation</p> <p>Spotlighting how Spain and Portugal are leading the way in large scale and innovative renewable generation deployment</p>	<p>Electrification: Charging On or Powering Down?</p> <p>Taking a reality check on smart electrification & electrification of industrial processes: The drivers and barriers. What is the optimal level of electrification and how can roadblocks to adoption be removed?</p>	

Programme Hub Sessions

The Hub Sessions are a powerhouse of ideas, action, and access, bringing together inspiring leaders, industry experts, and hands-on practitioners to share how the energy transition is being delivered today - and where it's headed next.



18-20 November 2025
Bilbao, Spain

		18 November		19 November		20 November
		AM	PM	AM	PM	AM
AI HUB	Digital Twin 4 Energy in the Netherlands	AI in Practice - Part 1		AI in Practice - Part 2	Gen AI: Monetising the Investment	
	Session dedicated to digital twins in the Dutch market	Technology and use cases in AI in energy management, grid prediction, asset management, consumer behavior, disaster management and AI for scientific discovery.		Technology and use cases in AI in energy management, grid prediction, asset management, consumer behavior, disaster management and AI for scientific discovery.	The potential of Gen AI is known and technology is there to aid in cost reduction, product development and broader customer reach. We will look here at how to convert those benefits into financial results.	
		Optimising Green Data Centers			Networking for the Smart Water Networks Community at Enlit	
		It must be part of an overall digital strategy, but many questions remain like: Where to build?		Networking session to talk about Smart Water Networks and to meet your peers.		
DECARBONISATION HUB	Shaping the Future - Introduction to Careers in Energy	National, Regional & Local Approaches to Decarbonisation		Industrial Focus - Decarbonisation & Efficiency in Hard-to-Abate Sectors	Scaling up Renewable Gases	Financing Mechanisms for Decarbonisation
	A session dedicated to sharing career possibilities in energy, turbomachinery and distribution with students currently studying relevant courses.	What different strategies are being applied to achieve the net zero energy mix? What prompts these differences and which are most effective?		Looking at examples of technology achieving efficiency and decarbonisation in industrial settings.	Examining the regulatory framework and some of the best examples of various green gas strategies and projects across Europe.	Unravelling the complex web of public and private financial support and lending that project developers can tap into.
		Carbon Capture - Realistic Solutions & Case Studies		Basque Energy Users - industries in transition	Decarbonising Heating Processes & Buildings	Solutions for a Clean & Reliable Power Generation Sector
		Focusing on where carbon capture is showing most promise		Explore innovative decarbonisation strategies transforming Basque industry—featuring real-world projects and technological solutions from leading Basque industrial companies, driving a sustainable regional economy	Focusing on economically viable heating & cooling projects using local heat sources.	Exploring the generation technologies that can deliver security of supply & clean power.

Programme Hub Sessions



18-20 November 2025
Bilbao, Spain

		18 November		19 November		20 November
		AM	PM	AM	PM	AM
DIGITALISATION HUB	Software Defined Power		DIGITOPAIA	Smart Metering & Data Management	Cybersecurity	Smart Water Networks: The Future of Data Standardization for Water Utilities
	Advancements in enhanced situational awareness, operational planning, and overall reliability of the distribution network.	Session composed of 2 panels: "The AI Race: What is the role of the European Power Sector?" and "Cutting Connection Queues."		The latest smart meter projects in Europe including 2nd generation metering. We will also look at real-time data access to increase flexibility.	This session is co-organised with ENCS (The European Network for Cyber Security). It will dive into cybersecurity in the energy sector today and the challenges around the integration of digital technologies.	Co-organised with DLMS. Focus on the future of data standardisation in the water utilities sphere, highlighting ongoing and upcoming projects, collaboration with manufacturers and the role of data models in creating scalable, future-proof systems. Panel: Driving Consistency and Efficiency in Water Metering: The Future of Smart Water Networks.
	Open Source: Collaboration for the Digital Energy Transition	Cybersecurity IT/OT		Energy 4.0 Technologies: IIoT and Cloud	Telecoms: Powering Utility Operations	
The latest around Open Source technologies and standards to accelerate the energy transition. This panel will bring together utilities and vendors who are jointly pursuing solutions incorporating open source elements.	This session will dive into cybersecurity in the energy sector today and the challenges around IT & OT convergence		Towards achieving an interconnected, digitized and automated ecosystem with Industrial Internet of Things, Cloud Computing and Virtualization.	Driving Resilience and Efficiency in Utilities with Telecommunications. This comprehensive session will open with a panel of Telecom departments within Utilities highlighting their challenges and needs. We will then have various Telecom actors replying to this panel with their expertise from the core networks in primary substations down to the access segment of the grid with secondary substations and reclosers, including Low Voltage grid, automation and metering.		
ENERGY DEMOCRACY HUB	Why Democratising Energy is Vital for Our Future Energy System	Smart Homes: Catalysts for Renewable Energy Integration		Progressive Energy Sharing Models	Energy Transition Innovators Pitch Competition	Get to Know Iberdrola: A Next-Generation Talent Workshop
	An expert panel will explore benefits versus system complexity, including how energy communities can help stabilise the system, how there's value for both small consumers and DSOs, as well as local socio-economic benefits, such as for vulnerable consumers. What is the key driver for energy democracy will be discussed too.	Find out how smart home technologies are revolutionising energy management. Discover how these innovations enable advanced energy management that adapts to system needs, reduces electricity costs for consumers, and facilitates the integration of renewable energy sources.		With the Commission acknowledging the concept of energy sharing in its Electricity Market Design Reform, it's no surprise it is growing in popularity. In this session, we present various energy sharing models that are working successfully and address many of the organisational challenges faced, such as ownership and roles.	Our annual pitching competition, co-created with Eurelectric, showcases some of the most innovative start-ups and scale-ups, whose tech and solutions aim to accelerate the energy transition across the whole value chain.	Iberdrola Talent Programme: Round table presentation of The Smart Grids Academy's career opportunities.
		Digital Technologies Powering Energy Democratisation		Energy Communities: Latest Legal, Regulatory and Digital Aspects	This year, the competition will comprise the following three sessions, with a winner selected from each: Innovating Clean Energy and Energy Storage; Novel Tools for Grid Optimisation; and Smart Solutions Empowering the Consumer.	
This session showcases the latest digital tools and solutions aimed at opening up access to the energy system and thereby supporting greater energy democracy.		This session will provide a useful update on the latest legal, regulatory, and financing aspects of energy community development in Europe.				

Programme Hub Sessions



18-20 November 2025
Bilbao, Spain

	18 November		19 November		20 November
	AM	PM	AM	PM	AM
ENERGY STORAGE & FLEXIBLE DEMAND HUB	Demand-Side Flexibility in Action: How it Can Increase Industrial Competitiveness	Optimising the Use of LV Networks with the Support of Flexible Demand	Energy Storage - Discharging the Potential	Battery Storage Projects & Technologies	Energy Storage: Safety & Cybersecurity
	Real-world examples where demand-side flexibility from C&I consumers are contributing to Europe's industrial competitiveness.	In this session, DSOs and Flexible Demand Management Industry representatives discuss the evolution of cost-reflective network charges and local flexibility markets.	Taking stock of the trends, conditions and tech that are facilitating storage projects across Europe.	Crucial for integrating inverter-based generation, Lithium-ion batteries are currently the dominant technology for large-scale storage.	We examine physical and online risks associated with Lithium-Ion batteries arrays and other energy storage. How do we mitigate these asset risks and ward against threats posed by interconnected digital system?
	New Trends in the Flexible Demand Management Industry	Best Practices in Flexibility Services Procurement	Utility Scale Solar & Storage - Optimising the Powerful Partnership	Long Duration Energy Storage	
	Beyond the usual trends in business models, this session will provide visibility on innovative or new mainstream trends in this sector.	In this session, best practices in procuring flexibility services are shared, whether from owners, operators or suppliers of generation, storage and demand assets.	Covering policy and regulation, financing, grid constraints, corporate PPAs, and enabling technologies.	With the market in LDES technology forecast to mushroom, this session looks at the drivers and the leading technologies.	
GENERATION INNOVATION HUB	Solar Power's Winning Formula	The GT Bridge for Dispatchable Flexible Generation	Marine Energy - Innovations & Developments	Operational Excellence - New Approaches for Existing Assets	
	Featuring rooftop solar, hybrids, repowering, procurement and skills.	What role for the gas turbines in linking the past to the future and will supply chain constraints have an impact?	Exploring what's happening on the ocean in wave, tidal and engine technology.	Sharing the best examples of asset optimisation, retrofitting, repurposing & emission control technologies.	How cleaner engines are staking a claim in the energy transition in stand-alone and hybrid projects.
	Wind Energy Projects & Technologies	Fuel Switching for Flexibility	Hydropower Projects & Innovation	SMR Technology - Stable, Emission-free Energy at Scale	
	Examining bigger, better and repowered wind technologies.	What are the fuels of the future and is the industry ready for these?	From showpiece pump storage projects to modernisation.	Exploring the technological landscape of SMRs, their prospects for deployment readiness, market applications, and integration with renewables and industrial energy users.	

Programme Hub Sessions



18-20 November 2025
Bilbao, Spain

	18 November		19 November		20 November
	AM	PM	AM	PM	AM
	GRID TRANSFORMATION HUB	Optimising Grid Planning To help tackle the electricity grid's current bottlenecks, this session explores anticipatory investment, greater coordination between TSOs and DSOs, the NOVA Principle and flexible connection agreements.	Hardwiring Resilience to Protect Security of Supply With the growing importance of ensuring high operational performance and the emerging trend of extreme weather events impacting on electricity and gas grids, technologies and projects that bake resilience into both grid systems are showcased.	Making the Gas Grid Greener, Smarter and Safer Here, technology providers, TSOs and DSOs present technology solutions and showcase projects that are helping to make the gas grid system greener, more intelligent or safer.	Transforming Voltage Management in Distribution Grids In this session, leading European DSOs share real-world insights into how innovative techniques and technologies, such as Voltage Regulating Distribution Transformers, are actively transforming voltage management and driving the modernisation of distribution grids.
Asset Lifecycle Covering both power and gas grids, this session explores asset lifecycle from a CAPEX, OPEX, TOTEX, regulatory and technology perspective.		Basque Country Focus: Advanced Digital Tools for a Robust Power Grid Co-organised with the Basque Energy Cluster, we showcase advanced digital solutions being developed by companies and research organisations in the Basque Country. It will touch upon protection and control in HV substations, advanced LV monitoring, virtual nodes and digital twins, and a lot more.	Made in Europe – Made for Europe In this session, co-organised with T&D Europe, get to know the often overlooked T&D industries that enable and underpin Europe's economic strength and learn about the rapidly expanding footprint of the sector, as well as about how they are working to deliver the technologies that are needed to build a secure, affordable and clean energy system.	Capacity Building Innovations Greater electrification means more grid capacity, so in this session a selection of genuine and in some cases radical innovations that promise to game change how we build out capacity in our existing power grid systems are showcased.	How to Create a Resilient Supply Chain The goals of the energy transition are ambitious, and as it shifts into an implementation phase this is significantly straining the supply of equipment, such as transformers, high-voltage cables, and HVDC converters, and well as components and further upstream materials. If we then add into the mix the ongoing tariff war with the US that looks set for the long term, and even globalisation under threat, things are looking challenging. An expert panel will explore how we can combat all this to ensure the resiliency of Europe's supply chains now and in the future.

Programme Hub Sessions



18-20 November 2025
Bilbao, Spain

		18 November		19 November		20 November	
		AM	PM	AM	PM	AM	
MOBILITY HUB	Gas Mobility	Zombie Technologies on Europe's Roads? The Risks of "Technological neutrality" post-2035		EVision	The Potential of V2G and V1G to Power EV Management		EIT InnoEnergy Career Impact Challenges Awards
	Looking at various projects around natural gas and renewable gas for the decarbonisation of transport in Europe.	<p>By the end of 2025, the European Commission will propose a revision of the regulation. This review may consider alternative low-carbon technologies, including synthetic fuels, biofuels, hybrids, and range-extended electric vehicles (EREVs). While these technologies are often presented as solutions, they risk prolonging the use of internal combustion engines, increasing costs, and creating regulatory uncertainty.</p> <p>This panel will examine the implications of "technological neutrality" post-2035, exploring how the inclusion of fossil-dependent alternatives could undermine Europe's transition to a sustainable, energy-efficient, and future-proof zero-emission mobility system.</p>		<p>As the world moves toward decarbonisation, the integration of EVs with the energy system represents a significant, yet largely untapped, resource for flexibility and enhancing power system resilience.</p>	<p>As grids face sharper volatility, EVs are becoming more than just transport. Join sector leaders to discuss how bidirectional charging, smart management and new services can turn millions of vehicles into a scalable resource for power management.</p>		<p>Marking the culmination of the proceeding two days where the InnoEnergy Masters+ students have been working hard on real-life challenges set by leading industry organisations, such as ABB, EDP, Schneider Electric and Siemens Energy. They now have an opportunity to present their challenge solutions to a jury, with the winning Student Team from each challenge announced.</p>
	Bridging the Skill Gap in the Extended Mobility Sectors	E-Heavy Duty Vehicles: Use Cases		<p>Co-hosted with Eurelectric, this session is composed of 2 panels: Plugging into Potential and Unleashing the untapped flexibility of EVs. The first panel will delve into the benefits for the grid operator and the wider system, while the other panel discussion will focus on consumer benefits of EV flexibility.</p>		Battery Technology for Mobility	
<p>The transition to electromobility will reshape Europe's labour market, creating tens of thousands of jobs in renewable energy, charging infrastructure, and related services while traditional automotive roles decline. This panel will explore the skills needed to build a resilient e-mobility ecosystem, the role of EU and national policies in supporting workers, and industry-led initiatives to ensure no one is left behind. Looking at the ambitions of the EU Union of Skills initiative and the reality</p>	<p>Can Europe reach 100% zero emission freight trucks by 2035?</p>		<p>The latest in battery technologies, battery efficiency and energy management improvements.</p>				

Programme EU Projects Zone Hub



18-20 November 2025
Bilbao, Spain

		18 November		19 November		20 November
		AM	PM	AM	PM	AM
EU PROJECTS ZONE HUB - THEATRE 1	<p>BRIDGE Session “BRIDGE-ing Innovation: Digitalisation, Flexibility and Market Uptake for a Sustainable Energy Future”</p> <p>This session will focus on the latest news from the 4 working groups within the Initiative (Data Management, Regulation, Business Models, Consumer and Citizen Engagement).</p>	<p>Nuclear</p> <p>This session will focus into everything new in the nuclear sector and especially SMRs. This session will be co-organised with SNETP. Projects participating: EASI-SMR, LLMS4EU, EL PEACETOLERO, METIS.</p>	<p>AI Technologies</p> <p>This session will focus into all things AI, with an honorable mention of the whitepaper released this year by ETIP SNET, as well as on the projects that work on AI technologies. Projects participating: ECOLOOP, Opentunity, TwinEU, PAIRAMID, Metroscope.</p>	<p>Decarbonisation and Carbon Capture Technologies for Energy Intensive Industries</p> <p>In this session we are going to focus on technologies and strategies that help energy intensive industries (like the Glass industry for example) adapt to carbon-neutrality goals. Projects participating: CAPTUS, H2GLASS, INFERNO, IS2H4C, Metawave, SET-IndEU, COREu, Siemens Energy Project.</p>	<p>TEF Cluster</p> <p>An AI-focused session. Project participating: EnergyGuard, ENERTEF, AI-EFFECT</p>	
	<p>ETIPs Forum: The role of R&I for a competitive EU</p> <p>The session explores how the ETIPs Forum and R&I can drive competitiveness by accelerating innovation uptake and strengthening collaboration between research and industry. Featuring ETIP Hydropower, ETIP SNET, ETIP Wind, EERA and the TIWG Hydrogen, it will discuss financing, skills, and industry-research collaboration while shaping recommendations for FP10 and the EU's competitiveness agenda.</p>	<p>INSIEME session</p> <p>This session introduces INSIEME, which is a EU flagship project piloting the Common European Energy Data Space (CEEDS).</p>	<p>Smart Energy Cluster: From Buildings to Communities: Innovation in Energy Efficiency and Grid Integration</p> <p>The Smart Energy Cluster brings together six leading EU-funded projects, ReSCHOOL, ENPOWER, CRETE VALLEY, SMARTeeSTORY, DEDALUS, and META BUILD, which are collectively driving innovation in sustainable energy through advanced technologies, digitalisation, and community engagement. These projects operate across different parts of the energy value chain, showcasing how Europe's energy transition can be accelerated by combining building-level solutions with community-driven energy models and smart grid integration.</p>	<p>Thermal Storage and Smart Building Integration</p> <p>In this session, the focus is on how solutions can empower citizens, enhance flexibility in local energy systems, and support the green energy transition. Solutions developed within the projects will be presented, with discussions centering on the building level, while a follow-up session will address energy communities and Positive Energy Districts (PEDs). Projects participating: ThumbsUp, HYSTORE, ECHO, BEST-Storage, BuildON, oPEN Lab”</p>	<p>DC Technologies</p> <p>This session will focus on technologies and projects which develop direct current solutions for TSOs and DSOs. Projects participating: HVDC-wise, Shift2DC, HYPNET, CABLEGNOSIS, EasyDC-FOS, DC-POWER.</p>	
				<p>Data Spaces</p> <p>This session will present new regulations as well as projects that focus on data spaces. Projects participating: ODEON, Eclipse, BEGONIA</p>		

Programme EU Projects Zone Hub



18-20 November 2025
Bilbao, Spain

	18 November		19 November		20 November
	AM	PM	AM	PM	AM
EU PROJECTS ZONE HUB - THEATRE 2	<p>Storage</p> <p>This session will focus on EU projects that work on large and small storage solutions. Projects participating: Most -H2, AGISTIN, Sinnogenes, AIR4NRG, BATMAX</p>	<p>Energy Nexus Cluster: Part One</p> <p>The Cluster is a collaborative platform for projects that includes sister projects which are funded under the topic “Replicable solutions for a cross sector compliant energy ecosystem”. Projects participating: Resonance, BeFlexible and Enflate.</p>	<p>Interoperability and Flexibility</p> <p>This session will focus into everything related to the interoperability, flexibility, harmonisation and standardisation of the grid and energy intensive industries (EII), with participation of relevant EU projects. Projects and associations participating: DLMS, OMS, E-FLEX, TRINEFLEX, FLEX4FACT, eFORT, STREAM</p>	<p>Energy Nexus Cluster: Part Two</p> <p>The Cluster is a collaborative platform for projects that include sister projects which are funded under the topic ““Replicable solutions for a cross sector compliant energy ecosystem””. Projects participating: Elexia, Independent, REEFLEX and GLocalflex</p>	<p>Energy Communities & Positive Energy Districts</p> <p>Following the session on thermal storage and smart building integration, this discussion will explore how interconnected buildings can evolve into energy communities and scalable, cost-effective climate-neutral districts. The projects will showcase solutions enabling business ecosystems, governance frameworks, stakeholder engagement, and other key enablers for urban energy transformation. Projects participating: FEDECOM, InterPED, HARMONISE, ASCEND, NEUTRALPATH</p>
	<p>NOVETROL: New concept for current limiter, enabling safer and DC Power Systems for the Energy Transition</p> <p>The NOVETROL project proposes an innovative advanced current-limiting technology, based on the extraordinary magnetoresistance (EMR) effect, aimed towards unlocking the full potential of low-voltage DC and hybrid AC/DC microgrids. By addressing critical safety challenges, NOVETROL supports the deployment of efficient, compact, and environmentally friendly power distribution systems across key applications—ranging from photovoltaics and battery storage to bidirectional EV charging. This presentation will explore how NOVETROL’s innovations are paving the way for a more controllable, resilient, and climate-neutral energy infrastructure, implementing the European Green Deal.</p>	<p>2cool2waste cluster: Game-changing solutions in the field of sustainable industrial cooling and heating</p> <p>A collaborative EU initiative advancing sustainable heating and cooling, the Cluster addresses key challenges with innovative solutions, emphasizing waste heat recovery to drive Europe’s green and resilient energy future. In this session we are going to find out the how. Projects Participating: Susheat, SEEDS, Thunder, RE-witch and Senergynets.</p>	<p>SIC Cluster</p> <p>At the center of this session is the collaboration of projects funded under the same initiative with a focus on Optimizing SiC-based semiconductor technology in converter applications for a sustainable energy grid. Projects participating: AdvanSiC, FOR²ENSICS, SiC4GRID.</p>	<p>Bridging Innovation and Operation: HEDNO’s Perspective on a Digital, Secure, and Sustainable Grid</p> <p>This panel brings together three HEDNO experts to explore how the company is translating strategy into execution across Greece’s distribution grid. We’ll unpack the nationwide smart-meter rollout and its customer value, dive into on-shore power supply (cold-ironing) for port decarbonization, and examine resilience with a focus on substation digitalisation and DER orchestration. Framed by an innovation mindset, attendees will hear what’s working, what’s hard, and what’s next across grid digitalisation, standards, business models, and stakeholder coordination. Projects participating: COCOON, Motivate XR, Alfion Infra</p>	<p>Smart Cities</p> <p>From buildings to neighbourhoods and transportation this session will focus on smart solutions that enhance energy efficiency. Projects participating: Chronicle, WeForming, EV4EU, BilbOPS, ALRIGH2t, GIANTS, BuildOn</p>

Programme EU Projects Zone Hub



18-20 November 2025
Bilbao, Spain

	18 November		19 November		20 November
	AM	PM	AM	PM	AM
EU PROJECTS ZONE HUB - THEATRE 3	E-Nergy Cluster The focus of both the session and the cluster is harnessing digital innovation to boost consumer participation and shape a sustainable, digitally integrated future for the energy sector. Projects participating: DECODIT, ENERGENIUS, CELINE, DIGITISE, and EU-DREAM	Digital Technologies for RES This session will present projects that focus on creating digital solutions for RES. Projects participating: DigiWind, CLEANHYPRO, Talos, Willow, CIRCWIND, Quasar, DOSS			
	Digital Technologies This session will present projects that focus on creating the European Digital Future. Projects participating: U2DEMO, PROBONO, HEDGE-IOT, ATELIER, International team Government of Canada, Sustain6G.	Integrating Satellite Data into Energy Operations: Use Cases and Insight This session will explore the practical integration of space technologies into the energy sector. Leaders from energy companies and Earth Observation service providers will showcase real-world use cases demonstrating how satellite data enhances grid management, optimises renewable energy deployment, and monitors critical infrastructure. Following the presentations, a panel discussion will provide deeper insights into the opportunities and challenges of adopting these innovative solutions. Join this session to discover how space-based assets are driving efficiency, ensuring reliability, and accelerating the transition to a sustainable energy future.	Data Cellar Final Event: Connecting data, empowering communities, shaping the energy future Explore how data spaces accelerate Europe's energy transition: insights from DATA CELLAR, validation cases, demos, and cluster projects, culminating in awards and a vision for empowered energy communities	Future-proofed & Resilient Energy Ecosystems - 3 Participative Workshops by Climate KIC The energy transition towards competitiveness and resilience needs a broad vision and the cooperation of multiple stakeholders. Climate KIC, the biggest EU Innovation Agency, has deployed over the past 15 years multiple place-based projects in Europe aiming for systemic territorial transformation. In 3 separate but complementary 60 min highly participative Workshops, we will share the key lessons learnt from experience in three key topics: 1) "The Shift beyond ESG"; 2) "Government-Industry dialogues"; 3) "Earth Observation for energy".	ETIP SNET Regional Workshop "Unleashing Flexibility: Buildings and Industry as Active Grid Player" The session, dedicated to Western Europe, will build on the WG1-led Task Force Paper on Flexibility in Built Environments and Industry, exploring flexibility as a key driver of grid decarbonisation and RES integration. It will cover demand response, sector coupling, district heating, and industry's role, along with digitalisation, decentralised energy trading, and related regulatory and market challenges.
		ETIP SNET - Setting the Smart Grid Innovation Agenda This session will focus on the Smart Grid Research and Innovation agenda, reflecting the ongoing updates to the R&I Roadmap.			