

Programme Summit



22-24 October 2024
Milan, Italy

A festival of energy knowledge and new thinking across two stages in contrasting formats and an exciting networking area.

		22 October		23 October		24 October
		AM	PM	AM	PM	AM
<p>EVOLVE STAGE</p> <p>On the Evolve Stage, C-level speakers, policymakers and influencers examine the energy transition's key conundrums, structural issues and barriers, through panel discussions with the aim of accelerating progress and driving change.</p>	<p>Opening Keynote</p> <p>Enlit Europe's unmissable opening session will feature keynote speeches from industry leaders offering thought-provoking insights into Europe's energy transition. The panel discussion that follows will inspire conversations across the three days of Enlit Europe.</p>	<p>Dispatchable power for a successful energy transition</p> <p>Operators and other experts share perspectives and examples of the role of firm capacity in a presentation and panel format.</p>	<p>System Flexibility Strategies</p> <p>Flexibility is critical to benefiting from the growth of renewables and the increasing electrification of heat and transport. What flexibility solutions can we already deploy, and what do we need to unlock them further?</p>	<p>The Gas Grid: Greener, Safer, Smarter</p> <p>Let's hear from the TSOs and DSOs on their different challenges and foremost their commitments to the future of gas, not in 2040, not in 2030 but right now.</p>	<p>Think Tank: The Energy Transition Workforce</p> <p>In this special Working Groups-based session, the participants will address a number of previously identified workforce-related issues and come up with concrete recommendations on how we can create an energy workforce fit for 2050 and beyond.</p>	
		<p>Carbon Capture - vital technology in the net zero toolbox?</p> <p>Why is sequestering carbon for storage or usage increasing vital in the energy transition and what is happening in this space?</p>	<p>Digital Reality Check</p> <p>Digitalisation has enhanced system operations, forecasts and predictive maintenance; unlocked demand-side opportunities and helped reduce cyber security concerns. But are we able to measure those changes today in a responsible way?</p>	<p>Next Generation of Renewables</p> <p>Hear from suppliers and operators what the next generation of renewable technologies herald.</p>		
	<p>Press Conference: The role of the grid in Ukraine's energy transition and reconstruction</p>	<p>Regulatory Certainty: Key to re-booting the transition</p> <p>Enlit Europe's 2023 industry survey revealed that a stable regulatory framework was a priority issue, so what is needed to achieve this and how can investor confidence be restored?</p>	<p>Evolving the Distribution Grid System</p> <p>The distribution grid will need to constantly evolve to meet challenges thrown up by the energy transition, but what are those key evolutions now and in the near future?</p>	<p>The Expected Impact of AI on the Energy Sector</p> <p>Energy+AI is the new power couple, but what are they up to?</p>		

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<p>INSPIRE STAGE</p> <p>On the Inspire stage, you will gain an appreciation of some of the frontiers of some of the increasingly borderless energy transition, with inspiring industry leading speakers and panel discussions unpacking these key issues.</p>		<p>EU Energy Projects Talk</p>	<p>Regaining the Public's Trust in the Energy Transition</p> <p>European citizens appear to have fallen out of love with the energy transition, not least because of stubbornly high energy prices. What can we do to regain that all-important trust?</p>	<p>Energy Transition Talks</p> <p>In conversation with Siemens - Modernising the grid for maximum resilience</p>		
		<p>AI and the digital transformation of the energy and the mobility sectors</p> <p>The session will delve into important topics such as the opportunities of AI and generative AI in the energy sector and its link to e-mobility.</p>		<p>Energy Transition Talks</p> <p>In conversation with Siemens Energy & Terna - Building a grid backbone for a net zero Europe</p>		
		<p>Energy Transition Talks</p> <p>The gamechanger on a renewable energy mission for Ukraine: In conversation with Yuliana Onishchuk, founder of Energy Act for Ukraine Foundation</p>	<p>Energy Transition Talks</p> <p>In conversation with Adrian Guggisberg, President, ABB Distribution Solutions - Digitalising the grid of the future</p>	<p>Financing the Great Power Grid Upgrade</p> <p>We don't know the actual price tag to upgrade our electricity grid system, but the consensus is it'll be big. What new financing options are out there? And can we become smarter in utilizing existing infrastructure to bring down that price tag?</p>	<p>The Digital Utility of Tomorrow</p> <p>We will look at the path of the Utility of the Future, focusing on both Water and Electricity, navigating the opportunities, as well as uncertainties, of the industry as it shapes up to lead the Energy Transition. As utilities drive forward to becoming trusted energy advisors and digital solution providers, we'll explore how they are positioning themselves to support other utilities, as well as their customers - both large and small</p>	
		<p>EU Energy Projects Talk</p>	<p>Industrial Decarbonisation Strategies</p> <p>Our panel unpacks how industry is tackling the net zero challenge.</p>	<p>Energy Transition Talks</p> <p>In conversation with Sozon Kokkinaras, VP of Sales, Eastern Europe, Trilliant - Ensuring the energy transition is a smart transition</p>		
		<p>Coordinated energy infrastructure planning</p> <p>In this session ETIP SNET will present the overview of the relevant paper recently produced by the Working Group 1.</p>		<p>Unblocking Europe's Innovation Pipeline</p> <p>Innovating is a strength in Europe, but the overall innovation ecosystem is not functioning properly. Where are the roadblocks and how can we effectively remove them?</p>		

Programme Hub Sessions

Join inspiring leaders and experienced professionals as they bring top-class presentations and panels right onto the exhibition floor. Surrounded by leading solution providers you can enjoy the perfect mix of knowledge & technology.



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DECARBONISATION HUB	Shaping the Future: Careers in Energy and Turbomachinery	Delivering EU targets: What role for gaseous energy?	Industrial Decarbonisation	Decarbonisation of Heat	Pathways to Circularity	
	Shaping the Future: Careers in Energy and Turbomachinery. In conjunction with ETN Global, Enlit Europe invites engineering students to take part in a special session introducing careers in energy and turbomachinery	In collaboration with Eurogas	Choices for the short & long term as technology evolves.	This session showcases projects and technologies addressing the key net zero challenge for industry and commerce, which is the decarbonisation of heating and cooling. Learn about innovative solutions for process steam, district heating and space heating/cooling.	Bio-methane, RDF, agricultural and other waste, renewable heat production, coal to biomass.	
		Sector Coupling	CCUS Technology and Case Studies	Decarbonising Transport	Hard-to-abate Industry Insights	
	Examining the role of energy hubs & industrial clusters in fostering collaboration between energy and industrial sectors.	Notable projects and technologies that are demonstrating the viability of CCUS	Solutions for Clean aviation, shipping & freight.	Offering examples of decarbonisation plans and projects from energy-intensive industries		
DIGITAL TECH HUB		Smart Metering	Energy Data Analytics - Part 1	Energy Communities Developments and Lessons Learned in The Netherlands	Energy Data Analytics - Part 2	
		Smart Meters allow for automatic collection, accurate measuring consumption and communication of energy, water and gas using data. Join this session to find out what are the latest advancements in Europe in both Smart water meters and Smart meters.	Solutions to monitor and reduce grid downtime; predict changes to fluctuating market demand in real time and balance assets.	With a shift to more decentralized, sustainable energy production and consumption, energy hubs are being established in several countries. The organization on how to produce, store, distribute, trade and consume energy is something with which Dutch companies have now developed expertise. In this session developments and experiences from The Netherlands will be shared regarding the development of energy hubs specifically focusing on organization, governance and trading.	Solutions to monitor and reduce grid downtime; predict changes to fluctuating market demand in real time and balance assets.	
		Interoperability	Cybersecurity	IoT and Cloud Services		
	With various segments of regulation coming into force recently in Europe the trend towards making data available for customers to better manage their energy footprint is very apparent. This session aims to discuss the current and emerging standards and technology landscape underpinning the energy management proposition of tomorrow.	Which digital technologies do we need to support the transition? Which systems have the highest cyber vulnerabilities?	Latest cloud-based applications enabling new business models and latest cloud-based platforms to optimize operations and make better informed decisions about where to invest in new resources.			

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DIGITALISATION HUB		Digitopia Co-hosted with Eurelectric. The session is composed of 2 high level panels: Meeting the demands of customer-centred digitalisation & Striking the balance between build-out and flexibility.	The AI Turbocharger AI boosting efficiency and accelerating innovation.	Digital Twin in the Industrial Metaverse The latest in Europe around virtual reality and AI increasing accuracy and efficiency in the digital Energy Sector.	
		How Do They Do It? Four Ways to Fast Track the Energy Transition In this T&D Europe hosted session, you will hear inspiring real-life examples from across Europe how the acceleration of the energy transition takes place. You will walk away with 3 surprising success factors, which can be applied along Europe's power system.	Generative AI Building a Workforce set for the Challenge	AI, Edge AI and Space Data for Infrastructure Management Actionable insights for proactive and targeted infrastructure management.	
			Europe's EV Journey so far	Smooth integration of EVs into the grid	
			What did we learn from Solar and when can we get closer to a Green Drive?	This session is composed of 2 key panels. Panel 1: Support for network operators and grid infrastructure. Panel 2: Market models, rules and standards to ensure proper functioning of the grid systems and foster smart & flexible EV charging.	
EMOBILITY HUB		Italy in Focus: Mobility meets Energy	Data and Flexible Charging	The Trends in V2X From EV to other energy-consuming destinations, this session will look at trends, emerging technologies and use cases	

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ENERGY DEMOCRACY HUB			<p>Women in Energy: Inspiring Female-led Entrepreneurship and Innovation in the Energy Transition</p> <p>Continuing our Women in Energy series, we bring together inspirational women with experience in either starting their own business or are familiar with the corporate innovation ecosystem to discuss how to better encourage and support female entrepreneurship and innovation.</p>	<p>Financing Community-led Projects</p> <p>Energy communities are now recognised as a vital part of a successful energy transition. However, arguably the greatest challenge facing their establishment is how to sustainably finance them. In this session, we present creative ideas on how this can be done.</p>	<p>Energy Transition Innovators Pitching Competition</p> <p>A series of three themed sessions where selected start-ups have the opportunity to pitch their innovative solution aimed at accelerating the energy transition to a jury panel, with the winner selected from each session.</p>	<p>Customer Communication & Engagement: Best Practices</p> <p>In this master class on how to effectively communicate with your customers, we showcase several novel approaches to customer communication that have proved highly successful.</p>
			<p>The Role of DSOs in Energy Sharing</p> <p>The concept of energy sharing is growing in popularity, and the Commission has been quick to acknowledge this via its Electricity Market Design Reform, but what is the role of the DSO?</p>	<p>Energy Communities: Digital Platforms</p> <p>Digital platforms are vital for the functioning of energy communities. In this session, we showcase the latest advances in this area, such as P2P trading, while also discussing user protection and AI.</p>		<p>Women in Energy: The Energy Transition - A Female Perspective</p> <p>Continuing our Women in Energy series, an all-female expert panel will discuss the energy transition, the key priorities and share their approaches on how to achieve those key priorities to ensure net zero by 2050.</p>
			<p>Flexibility Markets: Status Update</p> <p>In future markets, flexibility will be a service or commodity that can be bought and sold, so local flexibility markets are expected to become more established in the next few years. In this session, we take a critical look at this market development from a financial, regulatory and technical systems perspective.</p>	<p>Making the Business Work: How to Orchestrate Critical Supply Chains for a Seamless Energy Transition?</p> <p>In this T&D Europe-hosted session, you will hear from key players what is being done to realise the grids we need today and tomorrow.</p>	<p>Tech Developments for the Distribution Network</p> <p>To effectively manage distribution grids in a more decarbonised and decentralised world, we need to call upon innovative digital and hard tech solutions.</p>	<p>Gas Grid Innovations - Projects & Technologies</p> <p>This session focuses on showcasing new tech and solutions that demonstrate how we can create a greener, safer, smarter and more resilient gas grid.</p>
			<p>Flexibility via Aggregation: Success Stories</p> <p>Aggregated flexibility can provide TSOs & DSOs with the capability of better managing their grids in areas of high renewables penetration, so aggregators are now important market players. In this session, we present a number of successful case studies.</p>	<p>Our Evolving Grid System: Energy Islands & Microgrids</p> <p>The energy transition is unquestionably making the grid system more complex, especially at the distribution level with the growing influence of DERs. In this session, we're focusing on energy islands and microgrids, and will demonstrate why they represent important developments as our grid system evolves towards net zero.</p> <p>Grid Support: Role of Prosumers & Consumers</p> <p>As we decarbonise our energy system, prosumers, and consumers in general, could provide valuable system flexibility and grid support when required. In this session, we demonstrate how technologies are enabling this.</p>	<p>Tech Developments for the Transmission Grid</p> <p>To effectively manage high-voltage grids in a more decarbonised and decentralised world, we need to call upon innovative digital and hard tech solutions.</p>	<p>The Crucial Role of Smart Grids for the Success of the Clean Energy Transition</p> <p>This session aims to present the initial findings of an ongoing analysis on the crucial role of smart grids for the success of the clean energy transition, conducted by the EERA Joint Programme on Smart Grids. High-level speakers will reflect on the next steps needed to adapt, extend and digitise the EU electricity grid.</p>
GRID INNOVATION HUB						

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HYDROGEN & ENERGY STORAGE HUB			Hydrogen Reality Check What's the objective status and the barriers to green hydrogen as the enabler of the energy transition?	Hydrogen in Industry Explore hydrogen's potential in industry decarbonization: session highlights include its role in hard-to-abate sectors, and energy storage, alongside challenges and innovations in deployment and infrastructure development.	BESS in the Energy Transition Battery Energy Storage Systems play a pivotal role in the energy transition. Discover technology, deployment and innovation trends	
			Energy Storage - Capacity Markets & Other Revenue Stream Opportunities Gain insights into energy storage opportunities in capacity markets and other revenue streams. Learn about regulations and strategies shaping energy storage deployment and market participation	Hydrogen Projects & Technologies Explore cutting-edge green hydrogen projects & technologies shaping the energy landscape from production to applications	Long Duration Energy Storage Explore the pivotal role in energy resilience of long-duration energy storage solutions from technological advancements to regulatory landscapes.	
			Italy's Power Generation Roadmap A state-of-play on the direction of Italy's power sector (legacy assets, fuel security, renewables, hydrogen and grid).	Reinventing gas fired generation A session looking at the prospects for natural gas generation and how this affects the strategies of utilities. What are operators planning for their gas fired fleets and where will we see new build gas plants.	Gas Technology Mega Session - Today's Solutions for Tomorrow A technical session on the turbomachinery and gas-fired technologies that are set to deliver solutions from 2030 and beyond.	Asset & Lifecycle Management Strategies O & M, modernisation and asset management of turbomachinery-based generation.
			The Digital Power Plant of the Future This session will explore the latest in plant digitalisation and the opportunities AI brings.	Dispatchable Generation's Role in the Future Energy System A session of presentations and panel discussion, including plant operators, discussing the need for firm dispatchable power, its potential and challenges and the technologies that can provide it: gas turbines, engines, hybrid systems with batteries and CCS.	Exploring New Nuclear Exploring New Nuclear: Delve into the enabling policies and technologies, supply chain, energy system sector implications and strategic considerations for decision-makers in the realm of new nuclear energy	The Role of Cogeneration in Decarbonisation In collaboration with COGEN Europe

Programme EU Projects Hub



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EU PROJECTS ZONE HUB - THEATRE 1		Introducing project NPHyCo	Energy Data Spaces organized by int:net	Rethinking flexibility markets: what's the secret to navigating regulatory challenges and customer needs?	A future based on RES
		BRIDGE/ETIP SNET session: Sustainable transport integration into the grid			
		int:net	Energy efficiency and optimisation with Digital Technologies		
EU PROJECTS ZONE HUB - THEATRE 2		ETIPs as catalysts for EU sustainable competitiveness	Grid Technologies	Technologies for Consumers	Smart Buildings
		Nuclear Technologies	Storage Technologies	BRIDGE/ETIP SNET session: Energy communities' impact on grids	Energy Islands
		HSbooster.eu	CERF Session: Towards a Common European Reference Framework for energy-saving applications	New Projects in the Spotlight	
EU PROJECTS ZONE HUB - THEATRE 3		RENergetic Workshop - Creating and Optimizing Energy Islands	HYPERRIDE Final Event: Design and Operation of Hybrid AC-DC Grids and Key Technologies	ESECA Closing Session - Experience of European-African Business Collaboration in Sustainable Energy	Unlocking the Power of Smart Energy: A New Era in Efficiency, Flexibility and Innovation