

# Enlit SUMMIT Programme 2024 - DRAFT

Enlit's summit is composed of 3 areas: Inspire Stage + Evolve Stage + Connect Area

	Day 1		Day 2		Day 3	
	AM	PM	AM	PM	AM	PM
<b>Inspire Stage</b> The hard questions will be asked and answered on this stage with key disruptive panels and roundtable discussions breaking silos and fostering collaboration.	10:00 to 12:00 <b>Opening Keynote</b> (Evolve Stage)	14:00 to 14:15 <b>EU Energy Projects Talk</b> <i>Live podcast</i>	10:00 to 11:00 <b>Regaining the Public's Trust in the Energy Transition</b> <i>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?</i>	14:00 to 14:15 <b>Energy Transition Talk</b> <i>Live podcast</i>	10:00 to 12:00 <b>Think Tank: The Workforce</b> <i>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.</i>  Enlit White Paper published in Q1 2025          <a href="#">For Enlit 2024 report: click here</a>	
		14:15 to 15:15 <b>TBA</b> <i>In collaboration with the EU Commission</i>	11:00 to 11:15 <b>Energy Transition Talks</b> <i>Live podcast</i>	14:15 to 15:15 <b>Financing the Great Power Grid Upgrade?</b> <i>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?</i>		
		15:15 to 15:45 Networking Break	11:15 to 11:45 Networking Break	15:15 to 15:45 Networking Break		
		15:45 to 16:00 <b>EU Energy Projects Talk</b> <i>Live podcast</i>	11:45 to 12:45 <b>Industrial Decarbonisation Strategies</b> <i>Our panel unpacks how industry is tackling the net zero challenge.</i>	15:45 to 16:00 <b>Energy Transition Talk</b> <i>Live podcast</i>		
		16:00 to 17:00 <b>TBA</b> <i>In collaboration with the EU Commission</i>	12:45 to 13:00 <b>Energy Transition Talk</b> <i>Live podcast</i>	16:00 to 17:00 <b>Unblocking Europe's Innovation Pipeline</b> <i>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?</i>		
		12:15 to 13:15 <b>Press Conference</b> (Inspire Stage)	13:30 to 14:30 <b>Dispatchable Power for the Energy Transition</b> <i>Operators and other experts share perspectives and examples of the role of firm capacity in a presentation and panel format</i>	9:30 to 10:15 <b>System Flexibility Strategies</b> <i>Flexibility strategies are critical to tackle the growth of renewable generation, the increasing electrification of heat and transport, and the changes in consumer behaviour.</i>		
<b>Evolve Stage</b> On this Stage, C-level executives, policymakers and influencers tackle key conundrums through panel discussions aimed at accelerating the energy transition, driving change and innovation.		14:30 to 15:30 <b>Carbon Capture - key technology in the net zero toolbox?</b> <i>Why is sequestering carbon for storage or usage increasing vital in the energy transition and what is happening in this space?</i>	10:15 to 11:00 <b>Digital Reality Check</b> <i>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?</i>	14:30 to 15:30 <b>Next Generation of Renewables</b> <i>Hear from suppliers and operators what the next generation of renewable technologies herald</i>	10:45 to 11:30 <b>The Digital Utility of Tomorrow</b> <i>We will look at the path of the Utility of the Future, navigating the uncertainties of the sector</i>	
		15:30 to 16:00 Networking Break	11:00 to 11:30 Networking Break	15:30 to 16:00 Networking Break	11:30 to 13:00 Networking Lunch	
		16:00 to 17:00 <b>Regulatory Certainty: Key to Rebooting the Transition</b> <i>Enlit's 2024 survey revealed stable regulation as a priority issue so what is needed and how can confidence be restored?</i>	11:30 to 12:30 <b>Evolving our Distribution Grid System</b> <i>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?</i>	16:00 to 17:00 <b>The Expected Impact of AI on the Energy Sector</b> <i>Energy+AI is the new power couple, but what are they up to?</i>	End of Programme	
		Delegate Reception	12:30 to 13:30 Networking Lunch	Delegate Reception		
	<b>Connect Area</b> Create meaningful connections with your peers in this dedicated area, enjoy visual representation of the Summit panels and recorded Connect interviews. Including coffee and networking lunch and Delegate receptions day 1 & 2					

# Enlit HUBS Programme 2024 - DRAFT

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	Day 1		Day 2		Day 3	
	AM	PM	AM	PM	AM	PM
Decarbonisation	ETN Young Engineers session	13:30 to 15:00 <b>Alternative Pathways to Climate Neutrality &amp; the Role of Gas Fuels</b> <i>(In collaboration with Eurogas)</i>	09:30 to 11:00 <b>Industrial Decarbonisation</b> <i>Choices for the short &amp; long term as technology evolves.</i>	14:00 to 15:30 <b>Decarbonisation of Heat</b> <i>A challenge for industry, waste heat recovery (data Centres).</i>	09:45 to 11:15 <b>Pathways to Circularity</b> <i>Bio-methane, RDF, agricultural and other waste, renewable heat production, coal to biomass.</i>	
		15:30 to 17:00 <b>Sector Coupling</b> <i>Examining the role of energy hubs &amp; industrial clusters in fostering collaboration between energy and industrial sectors.</i>	11:30 to 13:00 <b>CCUS Technology and Case Studies</b> <i>Notable projects and technologies that are demonstrating the viability of CCUS.</i>	16:00 to 17:30 <b>Decarbonising Transport</b> <i>Solutions for Clean aviation, shipping &amp; freight.</i>	11:30 to 13:00 <b>Hard-to-abate Industry Insights</b> <i>Offering examples of decarbonisation plans and projects from energy-intensive industries.</i>	
Power Generation		13:30 to 15:00 <b>Italy's Power Generation Roadmap</b> <i>A state-of-play on the direction of Italy's power sector (legacy assets, fuel security, renewables, hydrogen and grid).</i>	09:30 to 11:00 <b>Operators Session: Reinventing Gas-fired Generation</b> <i>How will asset owners operate gas assets in the future? What are the prospects for investment in additional plant and abatement technologies?</i>	14:00 to 15:30 <b>Asset &amp; Lifecycle Management Strategies</b> <i>O &amp; M, modernisation and asset management of turbomachinery-based generation.</i>	09:45 to 11:15 <b>Exploring New Nuclear</b> <i>Delve into the enabling policies and technologies, broader sector implications, and strategic considerations for decision-makers in the realm of new nuclear energy.</i>	
		15:30 to 17:00 <b>Gas Tech - Today's Solutions for Tomorrow</b> <i>A technical session on the turbomachinery and gas-fired technologies that are set to deliver solutions from 2030 and beyond.</i>	11:30 to 13:00 <b>Dispatchable Generation's Role in the Future Energy System</b> <i>Plant operators share perspectives and examples of the role of firm capacity in a presentation and panel format.</i>	16:00 to 17:30 <b>The Digital Power Plant of the Future</b> <i>This session will explore the latest in plant digitalisation and the opportunities AI brings.</i>	11:30 to 13:00 <b>The Role of Cogeneration in Decarbonisation</b> <i>(In collaboration with COGEN Europe)</i>	
Grid Innovation		14:00 to 15:30 <b>Flexibility Markets: Status Update</b> <i>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.</i>	09:00 to 10:00 <b>Procurement Processes for Grid Investments - T&amp;D Europe</b> <i>Details to follow soon.</i>	14:00 to 15:30 <b>New Tech for the Distribution Network</b> <i>To effectively manage distribution grids in a more decarbonised and decentralised world, we need to call upon innovative digital and hard tech solutions.</i>	09:15 to 10:45 <b>Gas Grid Innovations I - Technologies</b> <i>This session focuses on showcasing new tech and solutions that demonstrate how we can create a greener, safer, smarter and more resilient gas grid.</i>	
			10:15 to 11:30 <b>Grid Support I: Mini Grids &amp; Microgrids</b> <i>Mini grids and microgrids can provide valuable support and importantly give resiliency to the low-voltage grid when needed. In this session, real-life examples are shared, along with the latest innovations.</i>			
Energy Democracy		16:00 to 17:30 <b>Flexibility via Aggregation: Success Stories</b> <i>Aggregated flexibility can provide TSOs &amp; 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.</i>	11:45 to 13:00 <b>Grid Support II: Prosumers &amp; Energy Communities</b> <i>Prosumers and energy communities are often thought of as at odds with the utility sector. In fact they could provide valuable grid support when required. In this session, we demonstrate how, including real-life examples.</i>	16:00 to 17:30 <b>New Tech for the Transmission Grid</b> <i>To effectively manage high-voltage grids in a more decarbonised and decentralised world, we need to call upon innovative digital and hard tech solutions.</i>	11:00 to 12:30 <b>Gas Grid Innovations II - Projects</b> <i>A showcase of projects that demonstrate how we can create a greener, safer, smarter and more resilient gas grid.</i>	
		14:00 to 15:30 <b>New Business Models Supporting Energy Democracy</b> <i>This session showcases some of the emerging business models, such as EaaS and energy sharing, which offer greater energy democratisation.</i>	09:30 to 11:00 <b>Energy Communities: Financing Models</b> <i>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.</i>	14:00 to 16:00 <b>Energy Transition Innovators Competition</b> <i>A series of 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 in each.</i>	09:15 to 10:45 <b>Customer Communication: Best Practices</b> <i>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.</i>	
		16:00 to 17:30 <b>The Role of DSOs in Energy Sharing</b> <i>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?</i>	11:30 to 13:00 <b>Energy Communities: Digital Platforms</b> <i>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.</i>	16:15 to 17:30 <b>Women in Energy: Topic TBC</b> <i>Continuing our Women in Energy series, we bring together inspirational women, who are making a genuine difference in the energy space.</i>	11:00 to 12:30 <b>Incentivising the Consumer</b> <i>The typical energy consumer needs to be empowered to actively contribute to the transition from the demand side. This session presents novel services and offerings, such as dynamic energy contracts, that seek to achieve this.</i>	

Digitalisation -AI Special on day 2-	13:30 to 15:45 <b>DIGITIOPIA</b> Co-hosted with Eurelectric. This session is composed of 2 high level panels.	09:30 to 11:00 <b>The AI Turbocharger</b> <i>AI boosting efficiency and accelerating innovation.</i>	14:00 to 17:00 <b>Robotics and Machine Learnings in the Industrial Metaverse</b> <i>The latest in Europe around automation, virtual reality and AI increasing accuracy and efficiency in the digital Energy Sector.</i>	TBA
	16:00 to 17:00 <b>The Grid Codes</b> <i>Network Planning and Forecasting Scenarios.</i>	11:15 to 13:00 <b>Generative AI</b> <i>Building a Workforce set for the Challenge.</i>		
Digital Tech	13:30 to 15:15 <b>Smart Metering</b> <i>Smart meters play a vital role in managing the integration of DER. Join this session to find out what are the latest advancements in Europe.</i>	09:30 to 11:00 <b>Energy Data Analytics Part 1</b> <i>Solutions to monitor and reduce grid downtime; predict changes to fluctuating market demand in real time and balance assets.</i>	13:30 to 15:00 <b>Space Data for Infrastructure Management</b> <i>Actionable insights for proactive and targeted infrastructure management.</i>	10:00 to 12:00 <b>Energy Data Analytics Part 2</b> <i>Solutions to monitor and reduce grid downtime; predict changes to fluctuating market demand in real time and balance assets.</i>
	15:30 to 17:00 <b>Interoperability</b> <i>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 important role of interoperability and the current and emerging standards and technology landscape underpinning the energy management proposition of tomorrow.</i>	11:15 to 13:00 <b>Cybersecurity</b> <i>Which digital technologies do we need to support the transition? Which have the highest cyber vulnerabilities?</i>	15:30 to 17:00 <b>IoT and Cloud Services</b> <i>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.</i>	
Hydrogen & Energy Storage	13:30 to 15:00 <b>Hydrogen Reality Check Panel</b> <i>What's the objective status and the barriers to green hydrogen as the enabler of the energy transition?</i>	09:30 to 11:00 <b>Hydrogen in Industry</b> <i>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.</i>	14:00 to 15:30 <b>BESS in the Energy Transition</b> <i>Battery Energy Storage Systems play a pivotal role in the energy transition. Discover technology, deployment and innovation trends.</i>	09:45 to 11:15 <b>Hydrogen Storage in H2LEC Concept</b>
	15:30 to 17:00 <b>Energy Storage - Capacity Market Opportunities</b> <i>Gain insights into energy storage opportunities in capacity markets. Learn about regulations and strategies shaping energy storage deployment and market participation.</i>	11:30 to 13:00 <b>Hydrogen Projects &amp; Technologies</b> <i>Explore cutting-edge green hydrogen projects &amp; technologies shaping the energy landscape from production to applications.</i>	16:00 to 17:30 <b>Long Duration Energy Storage</b> <i>Explore the pivotal role in energy resilience of long-duration energy storage solutions from technological advancements to regulatory landscapes.</i>	11:30 to 13:00 <b>Electrolyzers - Raw Materials &amp; Scale up</b> <i>Explore innovations driving efficiency and scalability in electrolyzers and the challenges of securing raw materials.</i>
Mobility and Italy in Focus	14:00 to 17:00 <b>Italy in Focus</b> To be announced	09:30 to 11:00 <b>Europe's EV Journey so far</b> <i>What did we learn from Solar and when can we get closer to a Green Drive?</i>	13:30 to 15:00 <b>The Fast-tracking Hydrogen Mobility in Europe</b> <i>Latest innovations, technology developments and interesting projects around G mobility.</i>	TBA
		11:30 to 13:00 <b>V2G</b> <i>This session will dive into bidirectional charging, Grid congestion and battery challenges.</i>	15:30 to 17:00 TBA	
EU PROJECTS HUB 3 stages	TBA Programme development in collaboration with the EU Commission			