

Sub-Call	Topic Identifier	Topic
Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-01	Innovative uses of lifecycle data for the management of buildings and buildings portfolios (Built4People)
Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-02	Solutions for the identification of vulnerable buildings and people-centric built environment, and for improving their resilience in disruptive events and altered conditions in a changing climate (Built4People)
Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-03	Demonstrate built-environment decarbonisation pathways through bottom-up technological, social and policy innovation for adaptive integrated sustainable renovation solutions (Built4People)
Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-04	Innovative components and configurations for heat pumps
Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-04	Fast-tracking and promoting built environment construction and renovation innovation with local value chains (Built4People Partnership)
Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-05	Supporting the creation of an accessible and inclusive built environment (Built4People Partnership)
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-01	Development of near zero-emission biomass heat and/or CHP including carbon capture
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-02	Novel thermal energy storage for Concentrated Solar Power (CSP)
Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-02-03	Industrial manufacturing for lower-cost solar thermal components and systems
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-05	Advanced exploration technologies for geothermal resources in a wide range of geological settings
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-06	Smart use of geothermal electricity and heating and cooling in the energy system
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-07	Development of next generation advanced biofuel technologies
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-08	Development of microalgae and/or direct solar fuel production and purification technologies for advanced aviation and /or shipping fuels
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-09	Demonstration of sustainable hydropower refurbishment
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-10	Development of innovative power take-off and control systems for wave energy devices
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-11	Advanced concepts for crystalline Silicon technology
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-12	Large Area Perovskite solar cells and modules
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-13	Operation, Performance and Maintenance of PV Systems
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-14	Digital twin for forecasting of power production to wind energy demand
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-15	Critical technologies to improve the life-time, efficient decommissioning and increase the circularity of offshore and onshore wind energy systems
Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-16	Accelerating the green transition and energy access in Africa
Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-01	Increasing the efficiency of innovative static energy conversion devices for electricity and heat/cold generation
Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-02	Integration of renewable gases, other than hydrogen or methane, and which have not access to gas grids and interfacing with electricity and heat sectors
Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-03	System approach for grid planning and upgrade in support of a dominant electric mobility (vehicles and vessels) using AI tools
Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-04	Digital tools for enhancing the uptake of digital services in the energy market
Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-05	Creation of a standardised and open-source peer-to-peer energy sharing platform architecture for the energy sector
Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-06	Components and interfacing for AC & DC side protection system – AC & DC grid: components and systems for grid optimisation
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-01	Alternative equipment and processes for advanced manufacturing of PV technologies
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-02	Low-power PV
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-03	Demonstration of improved intermediate renewable energy carrier technologies for transport fuels
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-04	Improvement of light harvesting and carbon fixation with synthetic biology and/or bio-inspired/biomimetic pathways for renewable direct solar fuels production
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-05	Development of Carbon fixation technologies for biogenic flue gases
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-06	Innovative applications/integration of geothermal heating and cooling in industry
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-07	Development of hydropower equipment for improving techno-economic efficiency and equipment resilience in refurbishment situations
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-08	Demonstration of sustainable wave energy farms
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-10	Next generation of renewable energy technologies
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-11	AI Testing and Experimentation Facility (TEF) for the energy sector – bringing technology to the market
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-12	Energy Management Systems for flexibility services
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-13	DC and AC/DC hybrid transmission and distribution systems
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-14	Condition & Health Monitoring in Power Electronics (PE) - Wide Band Gap PE for the energy sector
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-15	HVAC, HVDC and High-Power cable systems
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-16	Demonstration of innovative pumped storage equipment and tools in combination with innovative storage management systems
Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-17	Development and integration of advanced software tools in SCADA systems for High, Medium and Low voltage AC/DC hybrid systems