

Category	#	Need Cluster description	Keywords
Energy & storage	1	Energy distribution, monitoring, trade or storage	Smart delivery, grid stability, marketplaces, flexible energy systems, vehicle-to-X
	2	Renewable energy or energy harvesting	Wind, water, solar, waste heat, vibration harvesting, renewable energy portfolio management, sustainable thermal energy
	3	Hydrogen production, use and transportation	Energy storage, distribution, green hydrogen, refuelling stations
	4	Energy data collection, visualisation, analytics and assessment	Big data, dashboards, AI, IoT
	5	ESG reporting, tracking & monitoring	AI/ML, predicting and prescribing, visualising, decarbonising, traceability, big data, risk management
	6	Battery health, charging, monitoring, recycling	Electromobility, energy density, charging capacity, chemistry optimization, critical metals
	7	Carbon capture technologies, utilisation and storage	CO2 conversion, carbon products, electrochemistry
Industry & manufacturing	8	Quality control, measuring and monitoring of processes and end products	Real-time measuring, traceability, detection
	9	Sensor technologies and data for smart industry and equipment	5G, IoT, edge, predictive & prescriptive maintenance, automation, optimisation, AI/ML
	10	Simulation, visualisations or control of processes or flows	Big data, AI/ML, digital twins, virtual control, automation, decision support
	11	Sustainable manufacturing methods and processes	Additive manufacturing, 3D-printing, surface treatment, high efficiency, residue reduction
Waste & circularity	12	Cleaning and reuse of water, or reduction of water use	Waste water treatment, water supply systems, smart water management, de-watering
	13	Industrial waste prevention, reduction, utilisation or separation	Upcycling, circular economy, cleaning, toxic waste, filters, waste streams, materials
	14	New (sustainable) materials, compounds or ingredients	Recycled/upcycled, repurposed, polymers
	15	Biological waste management, utilisation or reduction	Forrest residue, textiles, food waste, nudging,
Food & food systems	16	Sustainable foods, food enhancements or meat substitutes	Texture enhancement, nutrient enrichment, food aesthetics,
	17	Intelligent urban farming	Vertical farming, Light technologies, grow platforms, AI/ML, crop maintenance
Supply chain & sourcing	18	Smart sourcing of products, materials or components. Smart supply chain and asset management	Cost control, demand forecasting, sustainable supply chain, AI driven asset management, market analysis
Vehicle & mobility	19	Systems or sub-systems for/enabling autonomous vehicles, including in-cabin tech	Decision support, driver and driving monitoring, sensor fusion
	20	Electric vehicles and machines	Electric propulsion, weight optimisation, retrofitting
	21	Sustainable planning and/or transportation solutions in logistics, MaaS and last mile delivery	Logistics, intelligent traffic planning, smart parking, remote operations for autonomous vehicles
	22	Sustainable aerospace	Eco-flying, fuel efficiency, route optimisation
Real estate & construction	23	Real estate and facility management	Digital twins, digital documentation, monitoring of building data, IoT, air quality
	24	Smart/sustainable construction planning or renovations	Efficient construction site, smart assembly houses, zero-carbon houses
	25	Future of workplaces	Digital tools, Hybrid working, smart office space, people counter
Safety & mitigation	26	Safe cities and workplaces	Construction sites, mobile apps, smart cities
	27	Prediction and mitigation of natural disasters	Proactive technologies and communications, satellite data, disaster prevention and mitigation
Data management & security	28	Big data management and analytics	Advanced data analytics, trend predictions, data ingestion
	29	Data in highly regulated environments	Data/cyber security, permission management, sharing/managing data, data in utilities
Customer interaction & platforms	30	Platform solutions for service offerings	White label, platform integration, customer engagement
	31	Digital solutions within customer management, support and remote services	AR/VR, insurance claims, fraud detection ,customer analytics, platform integrations
Healthtech & medtech	32	Digital / eHealth solutions for improved patients diagnostics and care	Medical devices, wearables, telemedicine, image recognition, remote monitoring, computer vision
	33	Patient preparation, engagement, experience and communication	Agetech, engagement platforms, gamification, patient empowerment
	34	Drug and compound development	AI/ML, design cycles, molecules
Fintech & financing	35	Green Fintech and alternative financing models connected to social or sustainable impact	Green housing, social values, investments, financial planning
Other	36	Quantum computing	Applications, big data, predictions