

Executive Innovation Insight

A selection of the emerging technologies continuously monitored by DeltaHedron®

Emerging technologies	Applications	Industries
3D/4D Printing and scanning Artificial Intelligence (AI) Machine Learning, Deep Learning Artificial Reality (AR), Virtual Reality (VR) Mixed reality (MX) Automotive and mobility Autonomous, hybrid, scooters, ebikes Urban air mobility Electric, petrol, diesel, hydrogen, battery Basic sciences Astronomy, bio/chemistry, physics Mathematics, statistics, geology Biotechnology Blockchain Cryptocurrencies Bots Robotics, automation, chatbots, cobots Robotic Process Automation Biometrics, voice/facial recognition Computers and computing Quantum computing, edge computing High Performance Computing, memory Data Big data, analytics, business intelligence Cybersecurity, data protection Data science Digital and ICT Mobile, cellular, cloud, wireless, wifi,lifi Broadband, 5G/6G, VOIP Software, SaaS, APIs, digital twins Drones Electronics and photonics Antennas, radar, lidar, LoRa, sonar Microwave, IR, microelectronics Emerging and smart technologies Energy Batteries, storage, renewables, fuel Electric, fossil, oil/gas, nuclear, hydro Hydrogen, solar, wind, tidal, geothermal Imaging Holograms, photography, video Internet of Things (IoT) Industrial, IxOT, sensors, RFID Materials Building, chemicals, bio, graphene, nano Metals, metallurgy, plastics, self-healing Ceramics, perovskites Wearables	Asset management Protection, tracking Anti-poaching Cities and communities Real estate Smart cities Smart home, office, factory Customer experience Consumers, UX Digital identity Authentication, identification e-Privacy, GDPR Environment Carbon emissions Climate change, conservation Water, marine, oceans ESG Fraud prevention Anti-counterfeiting Games, toys Geolocation, mapping Navigation, GPS, tracking Health Dental Digital health Diseases/medical conditions Health and safety Hospitals, healthcare Mental health, psychology Pandemic impact Pharma, medicine ICT Data centres Enterprise systems Phones, tablets, apps Internet, online, web Search Engine Optimisation Management/governance Software development DevOps, low-code, no-code Telecommunications Legal, IP and patenting Maintenance Marketing, branding Mobility Packaging Workflow X-as-a-Service (XaaS)	Aerospace Agriculture, agritech, viticulture Food and beverage Animals, crops, plants, fisheries Lab grown, 3D printed food Arts and culture Built Environment, construction Constructechs, housing Facilities management Infrastructure Chemical, biochemical Defence Education (schools and higher) Edtech and Corporate learning Energy and utilities Engineering Entertainment, music Fashion, textiles Financial, banking, investment e-Payments Fintechs, insurtechs Insurance, actuarial Health, pharma, cosmetics ICT Logistics, procurement Supply chain Manufacturing Maritime, marine, oceans Shipping, ports Media, journalism, publishing Social media Mining and minerals Philanthropy, CSR Professions Accounting, Auditing Engineering, Health, Legal Public sector, digital government Retail, consumerism Safety Security and policing Service industries Sport, exercise, leisure Telecommunications Tourism, travel, hospitality Transport, infrastructure Air travel, airports, vertiports Public transport Rail, road, hyperloop
Business impact and cross-cutting themes		
Trends, signals and future thinking Digital transformation Disruption Dynamics of technological change Societies and communities Generational impact World of work and employment Freelance, gig economy, WFH/remote HR management, recruitment, training	Risk management Innovation management Business models/platforms Corporate culture Incubators/accelerators Science and techno parks R&D, technology transfer Ventures, start-ups and entrepreneurship	Fourth Industrial Revolution Leadership and management Change management Decision-making/support Ethics and values National and regional interest Innovation systems/policy Competitiveness Economic impact

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