

ELEVATE

Geoprofessional Value



2023
FALL CONFERENCE
OCTOBER 17-19

GBA GEOPROFESSIONAL
BUSINESS
ASSOCIATION

Currents and Characteristics of the Emerging Future

Kevin Benedict

Partner, Futurist

Tata Consultancy Services





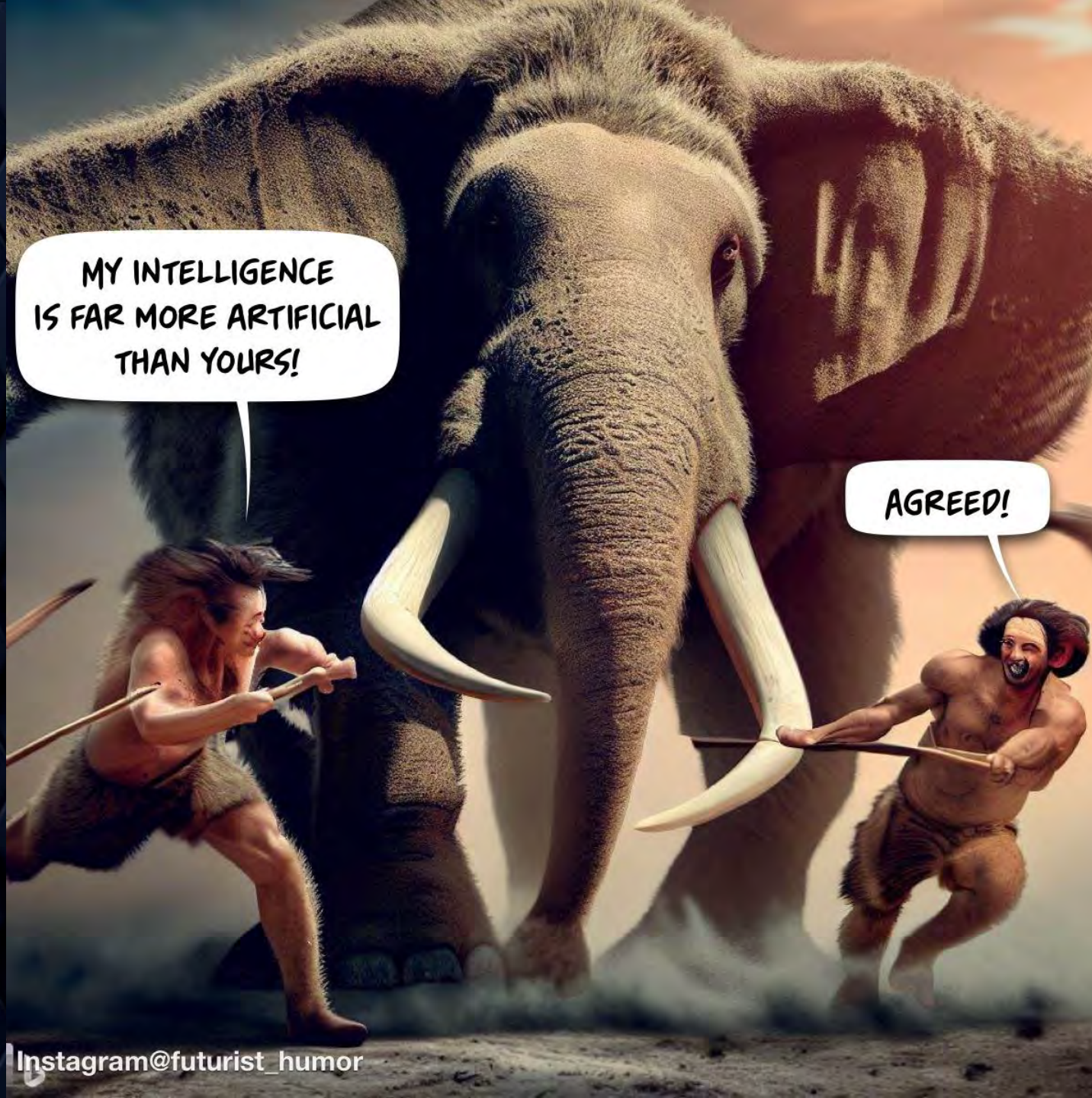
**Despite the high cost of living,
futurists predict it will remain
popular.**

Instagram@futurist_humor



Building on belief







**Lab grown meat approved for
sale by the FDA.**



Instagram@futurist_humor



SCIENCE AND TECHNOLOGY

SOCIETAL

GEOPOLITICAL

ECONOMIC

SCENARIOS

QUANTUM COMPUTING	DISTRIBUTED COMPUTING	AFFECTIVE COMPUTING	EDGE COMPUTING	SPATIAL COMPUTING	AMBIENT COMPUTING	HYDROGEN FUEL	AQUACULTURE	CLIMATE CHANGE	EXTREME EVENTS	NATURAL DISASTERS	GLOBAL HEALTH	SOCIETAL UNREST	A POLARIZED SOCIETY	GOVERNMENT DEBT	JOB LOSS	NARROW AI	GENERAL AI	SUPER AI
INTERNET	CLOUD	MOBILE	SOCIAL	WEB 3.0	BIG DATA	CARBON CAPTURE	FLOATING FARMS	SOIL EROSION & DEGRADATION	DEFORESTATION	BIODIVERSITY LOSS	ANTI-GLOBALIZATION SENTIMENT	LACK OF GLOBAL COOPERATION	LACK OF CRISIS READINESS	ATROPHY OF GLOBAL ECONOMIC GOVERNANCE	CONSUMER DEBT	CONNECTED CAR	AUTONOMOUS MOBILITY	AERIAL RIDESHARING
DIGITAL AGENTS	LI-FI	VISIBLE LIGHT COMMUNICATIONS	5G & 6G NETWORKS	DNA HARD DRIVES	PERSONAL DATA RECORD	MODERN GRID	MICROFARMS	POLLUTION	FOOD & WATER INSECURITY	HUMAN MIGRATION	FORCED MIGRATIONS	SHIFTING RESOURCE PARADIGM	SHIFTING INFLUENCE OF GLOBAL POWERS	CONCENTRATION OF WEALTH	DEFATIONARY FORCE OF TECHNOLOGY	MOBILITY AS A SERVICE	CAPACITY AS A SERVICE	AUTOMATED LAST MILE
SYNTHETIC MEDIA	DEEP FAKES	HOLOGRAMS	SYNTHETIC VOICES	FACE & VOICE PRINTS	VOICE CLONING	NUCLEAR FUSION	DESALINATION	DISEASE	POVERTY	RACISM	TERRORISM	AGING INFRASTRUCTURE	ANTIQUATED POLICIES EXPOSED	INEFFECTIVE ECONOMIC METRICS	DEPRESSION-RECESSION RISK	TRANSPORT 2.0	GIG ECONOMY	MAKER ECONOMY
RECOGNITION TECHNOLOGY	WI-FI RECOGNITION	PERSISTENT RECOGNITION	PROXIMITY RECOGNITION	GESTURE RECOGNITION	EMOTIONAL RECOGNITION	HYDRO ENERGY	ATMOSPHERIC WATER GENERATOR	HEALTH INEQUITY	VIOLENCE	SUICIDE	GOVERNMENTS TURN INWARD	SHIFTING ENERGY PARADIGM	TRUST IN GOVERNMENT DROPS	DECLINING GLOBAL GROWTH	SHIFTING ECONOMIC SYSTEM	CIRCULAR ECONOMY	SHARING ECONOMY	EMPOWERMENT ECONOMY
BIOACOUSTIC RECOGNITION	PERSISTENT AUDIO SURVEILLANCE	SATELLITE FLEETS	SMART ROADS	SOLAR HIGHWAYS	GIGWARE	GEOTHERMAL ENERGY	SYNTHETIC FOOD	DISABILITY	CLASS WARS	CULTURE WARS	COMPETING POLITICAL SYSTEMS	CENTRALIZED VS. DECENTRALIZED GOVERNANCE	SHIFT IN INFLUENCE FROM WEST-TO-EAST	ECONOMIC BURDEN OF SOCIAL PROGRAMS	RIISING CONSUMER SURPLUS	FRACTIONAL ECONOMY	CIRCULAR CARBON ECONOMY	EXTRACTION TO CREATION
INTERNET OF THINGS	3D 4D 5D PRINTING	DRONE ENABLED INFRASTRUCTURE	UNDERWATER DATA CENTER	DRONES	SOLAR POWER SATELLITES	DRONE GENERATED RENEWABLES	PURIFICATION SYSTEMS	CORRUPTION	FAKE NEWS	IMMIGRATION BACKLASH	RIISING PRESSURE ON EU MODEL	NATIONALIST AGENDAS	POSSIBLE CHINA-AMERICA DECOUPLING	DEMONETIZATION	SECULAR STAGNATION	CYBERWAR	AI-FACILITATED WAR	HOME 2.0
AUTONOMOUS VEHICLES	UNDERGROUND TRAFFIC GRID	REUSABLE ROCKETS	HYPERSONIC & SUPERSONIC FLIGHT	FLYING CARS & PASSENGER DRONES	HYPERLOOP	VEHICLE-TO-GRID	ROBOTIC FARMING	RESOURCE SCARCITY	DECLINING MIDDLE CLASS (WEST)	EMERGING MIDDLE CLASS (EAST)	COLLAPSE OF POST-WORLD WAR II INSTITUTIONS	DEVELOPING COUNTRY COLLAPSE	EMERGENCE OF NON-STATE ACTORS	SHIFT FROM GLOBAL TO REGIONAL TRADE	SHIFT FROM SCARCITY TO ABUNDANCE	SMART HOMES	CONNECTED HEALTH	PREVENTATIVE HEALTHCARE
ARTIFICIAL INTELLIGENCE	PREDICTIVE MACHINE VISION	ALGORITHMIC FACT CHECKING	GENERATIVE ADVERSARIAL NETWORKS	NATURAL LANGUAGE GENERATION	AI CHIP	ENERGY STORAGE	HYDROPONICS	GLOBAL INEQUALITY	DECLINE IN FERTILITY RATES	AGING POPULATION	GLOBAL INSTITUTIONS STRAINED	RELOCALIZATION	REDUCTION IN TRADE DRIVES GLOBAL CONFLICT	DEBT-FUELED GLOBAL GROWTH	THE GREAT WEALTH TRANSFER	HEALTHY LIFE EXTENSION	RADICAL LIFE EXTENSION	PERSONALIZED MEDICINE
CREATIVE AI	AI-ENABLED LANGUAGE TRANSLATION	AI-ENABLED DRUG DISCOVERY	MACHINE READING COMPREHENSION	SYNTHETIC DATA SETS	GENERATIVE ALGORITHMS	CHARGING STATIONS	AEROPONICS	INCREASED LIFESPANS	CARING FOR THE ELDERLY	MENTAL & EMOTIONAL HEALTH ISSUES	INCREASE IN INTER & INTRA-COUNTRY WARS	MASS-SCALE DISINFORMATION	AUTHORITARIAN CONTROL	GLOBAL TRADE	NEW SYSTEMS FOR INTERNATIONAL PAYMENT	VIRTUAL PRESENCE	BLURRED REALITY	HUMAN 2.0
METAVESE	EXTENDED REALITY	MIXED REALITY	VIRTUAL REALITY	AUGMENTED & DIMINISHED REALITY	CONTACTLESS INTERFACES	WIRELESS POWER TRANSMISSION	CONTAINED FARMING	TECHNOLOGICAL UNEMPLOYMENT	FALL IN WORKING AGE POPULATION	THE CHANGING NOTION OF WORK	GLOBALIZATION REVIVAL	STRUCTURAL CHANGE FOR A DIFFERENT WORLD	SHIFT FROM MILITARY TO NON-MILITARY SPHERE	STAKEHOLDER CAPITALISM	RESERVE CURRENCY STATUS	DIGITAL TWINS	LOGISTICS TRANSITION	NEXT GENERATION EDUCATION
CONNECTED CLOTHING	SMART THREAD	EXOSKELETONS	ADVANCED MATERIALS	PHOTONICS	SMART GLOVES	SOLAR ENERGY	VERTICAL FARMING	INDEPENDENT WORKERS	RISE OF THE CROWD	SHIFTING VIEWS OF RETIREMENT	SHIFTING GLOBAL ALLIANCES	EMERGING STRATEGIES FOR A NEW ERA	SHIFT FROM DEMOCRACY TO PLUTOCRACY	DIGITAL DIVIDENDS	UNIVERSAL BASIC INCOME	ENERGY TRANSITION	FOOD 2.0	GLOBALIZATION 3.0
BLOCKCHAIN	CRYPTOCURRENCY	NON-FUNGIBLE TOKEN	IMPLANTABLE PAYMENT CHIP	AUTONOMOUS WEAPONS	TATTOOABLES	ZERO CARBON NATURAL GAS	AQUAPONICS	RESKILLING SOCIETY	REVERSE BRAIN DRAIN	DIGITAL DIVIDE	REVISIONS TO THE SOCIAL CONTRACT	AUTOMATED WARFARE	MOVEMENT TOWARDS A NEW WORLD ORDER	CARBON MARKETS	ROBOT TAXES	SPORTS 2.0	SOCIETY 5.0	SMART CITIES
ROBOTICS	SELF ASSEMBLING ROBOTS	SOFT ROBOTICS	ROBOT AVATARS	ROBOT BEES	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTILATERAL INSTITUTIONS	DISTRIBUTED POWER	CENTRAL BANK DIGITAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	JOURNALISM AS A SERVICE	ETHICAL MANUFACTURING
COLLABORATIVE ROBOTS	ROBOTIC SURGERY	ROBOT SWARMS	NANOBOT NURSES	MOLECULAR ROBOTS	SOCIAL ROBOTS	VR-CONTROLLED ROBOTS	PRECISION AGRICULTURE	RISE IN THE DEPENDENCY RATIO	GENERATIONAL TURNS	MARRIED LATER	POWER SHIFTS FROM NATIONS TO CITIES	R&D-DRIVEN ADVANTAGE	NATURAL RESOURCE DEPENDENCE	CASHLESS SOCIETY	MODERN MONETARY THEORY	ROBOTS AS A SERVICE	AUTOMATED SOCIETY	DIGITAL CITIZENSHIP
BIOMETRIC SENSORS	BIOMETRIC MONITORING	BEHAVIORAL BIOMETRICS	BIOMETRIC CAMOUFLAGE	SMART DUST	GEOENGINEERING	SUBSEA POWER GRIDS	PRECISION FERMENTATION	INDIVIDUALISM	LONELINESS & ISOLATION	DEATHS OF DESPAIR	BIOREGIONAL GOVERNANCE	SHARING OF PRODUCTIVE RESOURCES	PUBLIC EMPLOYMENT OPTION	INTANGIBLE ECONOMY	DOUGHNUT ECONOMICS	CYBORG SOCIETY	REPUBLIC 2.0	INSTITUTION 2.0
REGENERATIVE MEDICINE	CELLULAR REPROGRAMMING	PRECISION MEDICINE	PREDICTIVE MEDICINE	ADVANCED PROSTHETICS	TOUCH SENSITIVE PROSTHETICS	FLOATING NUCLEAR ENERGY PLANTS	ARTIFICIAL TREES	AVERSION TO PHYSICAL CONTACT	IDENTITY THEFT	NATIONALISM	THE FUTURE	THE FUTURE	THE FUTURE	TOKENOMICS	BIOECONOMICS	FULL DECENTRALIZATION	POST CAPITALISM	WORK 2.0
CRISPR	GENETIC RECOGNITION	GENE DOPING	GENETIC ENGINEERING	GENE THERAPY	GENETIC SCREENING	THORIUM-FUELED NUCLEAR REACTOR	FLOATING CITIES	POPULISM	URBANIZATION	OWNERSHIP TO ACCESS				A NEAR ZERO MARGINAL COST SOCIETY	BLUE ECONOMY	MONEY 2.0	DE-EXTINCTION	DEMOCRACY 2.0
NANOTECH	THINKABLES	FULL BRAIN SIMULATION	BRAIN-COMPUTER INTERFACES	BRAIN-TO-BRAIN COMMUNICATION	BRAIN-TO-VEHICLE INTERFACES	MODULAR NUCLEAR REACTOR	CELLULAR AGRICULTURE	POWER TO THE INDIVIDUAL	RIISING ENERGY DEMAND	VOLATILE RESOURCE DEMAND				MONETARY & FISCAL POLICY	ESG INVESTING	SPACE COLONIZATION	VIRTUAL SOCIETY	METAVESE ECONOMY
BIOTECHNOLOGY	COMPUTATIONAL BIOLOGY	PRECISION BIOLOGY	BIOPHOTONICS	SYNTHETIC BIOLOGY	BIOINTERFACES	MICROGRIDS	WALKING-DRIVEN ENERGY	THE RISE OF ALTERNATIVE LIVING	POPULATION GROWTH	GRID LIBERATION				UNIVERSAL CAPITAL ENDOWMENT	EDUCATIONAL INVESTMENT FUND	OFF-PLANET ECONOMY		
CHEMICAL SYNTHESIS	IVF GENETIC SCREENING	DEEP SEA MINING	CRYONICS	ASTEROID MINING	TERRAFORMING	ELECTRIC HEAT PUMPS	MICRO POWER PLANTS	THE DECLINE OF RELIGION	LOCALISM, BIOREGIONALISM	ABUNDANCE	VIRTUAL JOBS							
SYSTEMS BIOLOGY	METABOLIC ENGINEERING	GENOMICS	BIOELECTRONICS	STEM CELL THERAPY	BIOFUELS	WIND ENERGY	FOCUS ON PURPOSE	THE FUTURE										

THE FUTURE

SCIENCE AND TECHNOLOGY

SOCIAL

GEOPOLITICAL

ECONOMIC

SCENARIOS

TECHNICAL COMPUTING	DISTRIBUTED COMPUTING	AFFECTIVE COMPUTING	EDGE COMPUTING	SPATIAL COMPUTING	Wearable Computing	HYPER-REAL	WISDOM-TECH	CLIMATE CHANGE	EXTREME EVENTS	NATURAL DISASTERS	GLOBAL HEALTH	SOCIETAL UNREST	IMPERFECT SOCIETY	GOVERNMENT DEBT	JOB LOSS	NARROW AI	GENERAL AI	SUPER AI
INTERNET	CLOUD	MOBILE	SOCIAL	WEB 3.0	BIG DATA	CARBON CAPTURE	TELEPRESENCE	SOIL EROSION & DEGRADATION	DEFORESTATION	BIODIVERSITY LOSS	ANTI-GLOBALIZATION MOVEMENT	LACK OF GLOBAL COOPERATION	LACK OF CRISIS READINESS	STUPIDITY OF GLOBAL ECONOMIC GOVERNANCE	CONSUMER DEBT	CONNECTED LIFE	AUTONOMOUS MOBILITY	AI-ENABLED MOBILITY
DIGITAL AGENTS	LIFT	MOBILE DATA COMMUNICATIONS	5G & 6G NETWORKS	DATA VERA CHIPS	PERMANENT DATA RECORD	MODERN GRID	BIODIVERSITY	POLLUTION	FOOD & WATER INSECURITY	HUMAN RIGHTEOUS	FORCED MIGRATIONS	SHIFTING RESOURCE PARADIGM	SHIFTING INFLUENCE OF GLOBAL POWERS	CONCENTRATION OF WEALTH	DEFATIONARY FORCE OF TECHNOLOGY	MOBILITY AS A SERVICE	CAPACITY AS A SERVICE	AI-ENABLED INFRASTRUCTURE
SYNTHETIC BEINGS	ISOP	NEW FORMS	SYNTHETIC BEINGS	PRICE & VALUE PROBLEMS	VOICE LANGUAGE	NUCLEAR ENERGY	DECLINATION	DISEASE	POVERTY	RACISM	TERRORISM	AGING INFRASTRUCTURE	INTEGRATED POLICIES EXPOSED	INEFFECTIVE ECONOMIC MECHANISMS	DEPRESSION-RECESSION RISK	TRANSPORT 2.0	GIG ECONOMY	MAKER ECONOMY
RECOGNITION TECHNOLOGY	AI IN RECOGNITION	PERISTENT RECOGNITION	PROXIMITY RECOGNITION	GESTURE RECOGNITION	EMOTIONAL RECOGNITION	HYPER ENERGY	STATIONARY WEATHER GENERATOR	HEALTH INEQUALITY	VIOLENCE	SUICIDE	GOVERNMENTS TURN INWARDS	SHIFTING ENERGY PARADIGM	TRUST IN GOVERNMENT COLLAPSE	DECLINING GLOBAL GROWTH	SHIFTING ECONOMIC SYSTEM	CIRCULAR ECONOMY	SHARING ECONOMY	IMPERSONAL ECONOMY
BIOMETRIC RECOGNITION	PERSISTENT AUDIO SURVEILLANCE	SATELLITE TRACKS	SMART BANDS	SOLAR HIGHWAYS	RECYCLING	EXTENSIVE THERMAL	ENERGETIC DRUG	DISABILITY	CLASS WARS	CULTURE WARS	COMPETING POLITICAL SYSTEMS	CENTRALIZED VS. DECENTRALIZED GOVERNANCE	SHIFT IN RELATIONS FROM WEST TO EAST	ECONOMIC BURDEN OF SOCIAL PROGRAMS	RIISING CONSUMER SURPLUS	FRACTIONAL ECONOMY	CIRCULAR CARBON ECONOMY	EXTRACTION TO CREATION
INTERNET OF THINGS	3D/4D/5D PRINTING	DRONE ENABLED INFRASTRUCTURE	UNDERWATER DATA CENTERS	DRONES	WEAR POWER SATELLITES	DRONE GENERATED INFORMATION	COMMUNICATION SYSTEMS	CORRUPTION	FAKE NEWS	IMMIGRATION BACKLASH	REFUGEE PRESSURE ON ALL REGIONS	NAT CONFLICT AVOIDANCE	POSSIBLE CHINA-AMERICA DECOUPLING	DEMOMONIZATION	REGULAR STAGNATION	CYBERWAR	AI-ENABLED WAR	HOME 2.0
AUTONOMOUS VEHICLES	UNDERGROUND TRAFFIC GRID	REUSABLE ROCKETS	HYPERSOUND & SUPERSONIC FLIGHT	FLYING CARS & PASSENGER DRONES	HYPERLOOP	VEHICLE-TO-VEHICLE	RECYCLING MATERIALS	RESOURCE SCARCITY	DECLINING MIDDLE CLASS (WEST)	EMERGING MIDDLE CLASS (EAST)	COLLAPSE OF POST-WORLD WAR II INSTITUTIONS	DEVELOPING COUNTRY COLLAPSE	EMERGING (THIRD-STATE) ACTION	SHIFT FROM GLOBAL TO REGIONAL TRADE	SHIFT FROM SCARCITY TO ABUNDANCE	SMART HOMES	CONFLICTED HEALTH	HYPER-REACTIVE HOMEWORK
ARTIFICIAL INTELLIGENCE	PREDICTIVE MACHINE VISION	ALGORITHMIC FACT CHECKING	GENERATIVE ADVANCEMENT NETWORKS	NATURAL LANGUAGE GENERATION	AI CHIP	ENERGY STORAGE	HYPER-REACTIVITY	GLOBAL INEQUALITY	DECLINE IN FERTILITY RATES	AGING POPULATION	REGIONAL PROTECTION STRATEGIES	RELOCALIZATION	REDUCTION IN TRADE DRIVES GLOBAL CONFLICT	DEBT-FUELED GLOBAL GROWTH	THE GREAT WEALTH TRANSFER	HEALTHY LIFE EXTENSION	RADICAL LIFE EXTENSION	TECHNOLOGICAL PROGRESS
CREATIVE AI	AI-ENABLED LANGUAGE TRANSLATION	AI-ENABLED DRUG DISCOVERY	MACHINE LEARNING CONSUMER SERVICE	SYNTHETIC DATA ARTS	GENERATIVE ALGORITHMS	CHARGING STATIONS	AI-POWERED	INCREASED LIFESPANS	CARING FOR THE ELDERLY	MENTAL & EMOTIONAL HEALTH ISSUES	INCREASE IN INTER & INTRA-COUNTRY WARS	MASS-SCALE DEINFORMATION	NATION-LEVEL CONTROL	GLOBAL TRADE	NEW SYSTEMS FOR INTERNATIONAL PAYMENT	VIRTUAL PRESENCE	BLURRED REALITY	HUMAN 2.0
METAMATERIALS	EXTENDED REALITY	MIXED REALITY	VIRTUAL REALITY	AUGMENTED & DIMINISHED REALITY	CONTACTLESS INTERFACES	WIRELESS POWER TRANSMISSION	CONTAINED THERMAL	TECHNOLOGICAL UNEMPLOYMENT	FALL IN WORKING AGE POPULATION	THE CHANGING NOTION OF WORK	EXHIBITIONARY REVENUE	STRUCTURAL CHANGES FOR A DIFFERENT WORLD	SHIFT FROM CAPITALISM TO COMMUNISM	STARVATION CAPITALISM	RESERVE CURRENCY STATUS	DIGITAL TWINS	LOGISTICS TRANSITION	HYPER-REACTIVE MOBILITY
CONNECTED CLOTHING	SMART TEXTILES	EXOSKELETONS	ADVANCED MATERIALS	BIOTONIC	SMART PROSTHESES	SOLAR ENERGY	VERTICAL FARMING	INDEPENDENT WORKERS	RISE BY THE CROWD	SHIFTING VIEWS OF RETIREMENT	SHIFTING IDEAL ALLIANCES	EMERGING STRATEGIES FOR A NEW WORLD	SHIFT FROM DEMOCRACY TO AUTOCRACY	DIGITAL DIVIDENDS	UNIVERSAL BASIC INCOME	ENERGY TRANSITION	FOOD 2.0	WATER-LESS 2.0
BLOCKCHAIN	CRYPTO CURRENCY	NON-REVERSIBLE TRANSFER	IMPLANTABLE PAYMENT CHIP	BIOTONICUS INFORMATION	TATTOOABLES	ZERO-CARBON NATURAL GAS	AI-POWERED	RESKILLING SOCIETY	REVERSE BRAIN DRAIN	DIGITAL DIVIDE	SAVING TO THE SOCIAL CONTRACT	AUTOMATED WARFARE	MOVEMENT TOWARDS A NEW WORLD ORDER	CARBON MARKETS	ROBOT TAXES	SMARTS 2.0	SOCIETY 5.0	SMART CITIES
ROBOTICS	SELF-ASSEMBLING ROBOTS	SOFT ROBOTICS	ROBOT AVIATION	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
COLLABORATIVE ROBOTS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS	BIOTONIC	PERSONAL ROBOTS & AI PARTNERS	ELECTRIC VEHICLES	ARTIFICIAL PHOTOSYNTHESIS	MILLENNIALS	GENERATION Z	FIVE GENERATIONS OF WORKERS	SHIFT TO REGIONAL SUPPLY CHAINS	EMERGING MULTINATIONAL INSTITUTIONS	OUTNUMBERED POWER	CENTRAL BANKS & GLOBAL CURRENCIES	DECENTRALIZED DIGITAL CURRENCIES	SMART NATIONS	AI-POWERED AS A SERVICE	HYPER-REACTIVE MANUFACTURING
BIOMIMETIC ROBOTICS	ROBOTIC MANIPULATORS	HYPER-REACTIVE	WIRELESS NETWORKS															

SCIENCE AND TECHNOLOGY

SOCIAL

GEOPOLITICAL

ECONOMIC

SCENARIOS

DRONES

DIGITAL
TWINs

BIG DATA

INTERNET
OF THINGSMIXED
REALITYARTIFICIAL
INTELLIGENCERESKILLING
SOCIETYSMART
CITIES

CONSTRUCTION

SCIENCE AND TECHNOLOGY

SOCIAL

GEOPOLITICAL

ECONOMIC

SCENARIOS

BIG DATA

PERSONAL
ROBOTS & AI
PARTNERSDIGITAL
AGENTSARTIFICIAL
INTELLIGENCECREATIVE
AIPREDICTIVE
MACHINE
VISIONRESKILLING
SOCIETYSMART
CITIES

CONSTRUCTION



SCIENCE AND TECHNOLOGY

SOCIAL

GEOPOLITICAL

ECONOMIC

SCENARIOS

BIG DATA

ARTIFICIAL
INTELLIGENCENEXT
GENERATION
EDUCATIONRESKILLING
SOCIETY

WORK 2.0

RADICAL LIFE
EXTENSIONTECHNOLOGICAL
UNEMPLOYMENTSMART
CITIES

CONSTRUCTION



SCIENCE AND TECHNOLOGY

SOCIAL

GEOPOLITICAL

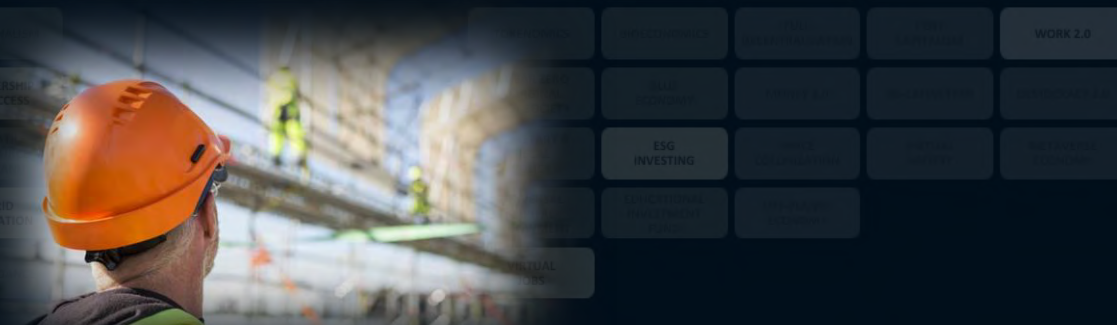
ECONOMIC

SCENARIOS

BIG DATA

ARTIFICIAL
INTELLIGENCERESKILLING
SOCIETYSMART
CITIESAUTOMATED
SOCIETYCLIMATE
CHANGEAUTONOMOUS
MOBILITYCIRCULAR
ECONOMY

CONSTRUCTION



SCIENCE AND TECHNOLOGY

SOCIAL

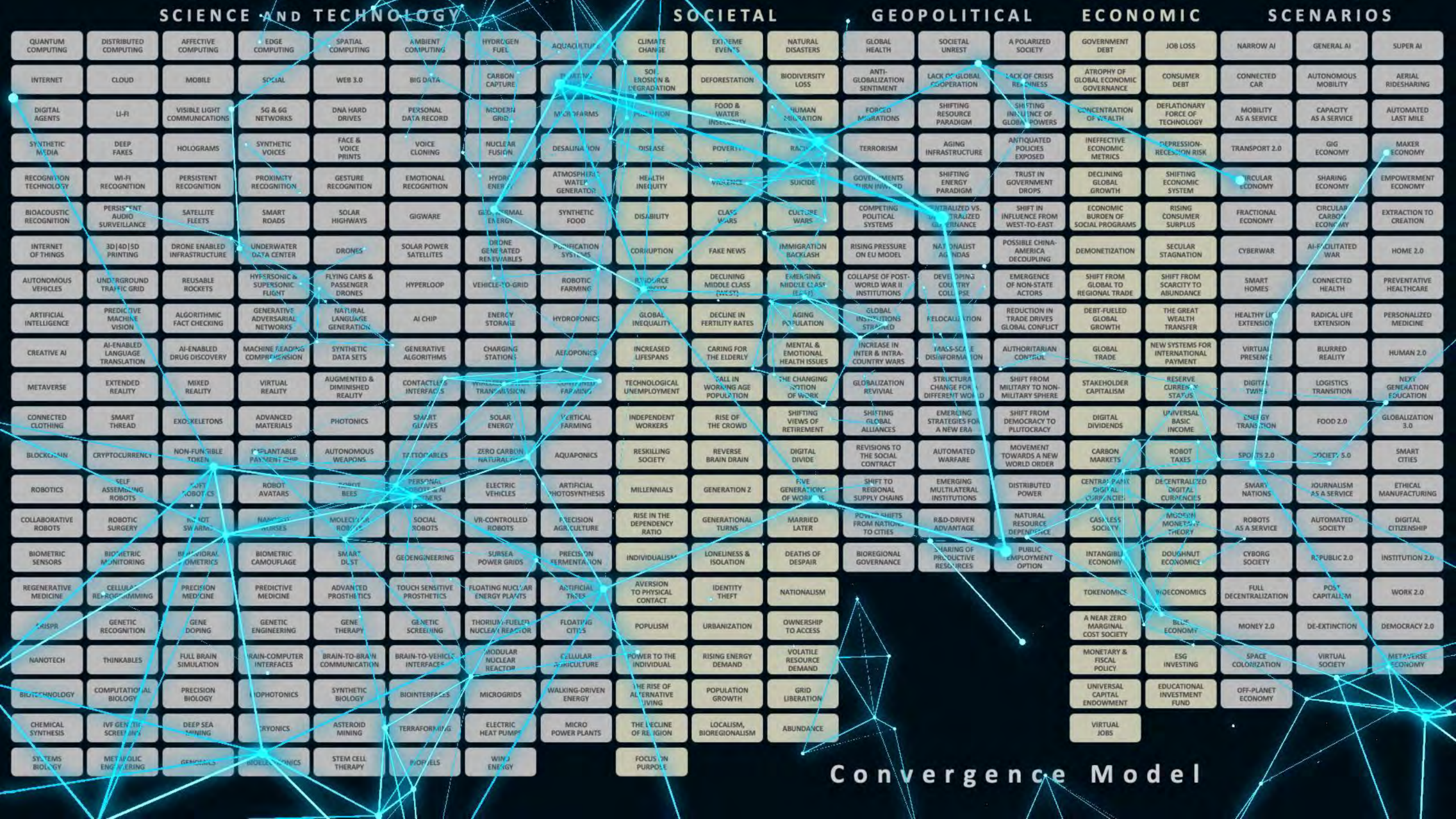
GEOPOLITICAL

ECONOMIC

SCENARIOS



CONSTRUCTION



CURRENTS & CHARACTERISTICS OF THE EMERGING FUTURE





INVENTING GUARANTEES UNINTENDED CONSEQUENCES



SENSING & CAPTURING EVERYTHING





ANALYZING EVERYTHING



NETWORKING & AGGREGATING GLOBAL KNOWLEDGE



EMERGING DIGITAL PLATFORMS



CAPTURING REALITY DIGITAL TWINS



THE FUTURE OF HEART HEALTH

Technological advancement on hearts means more lives, human and animal, will be saved in the future.

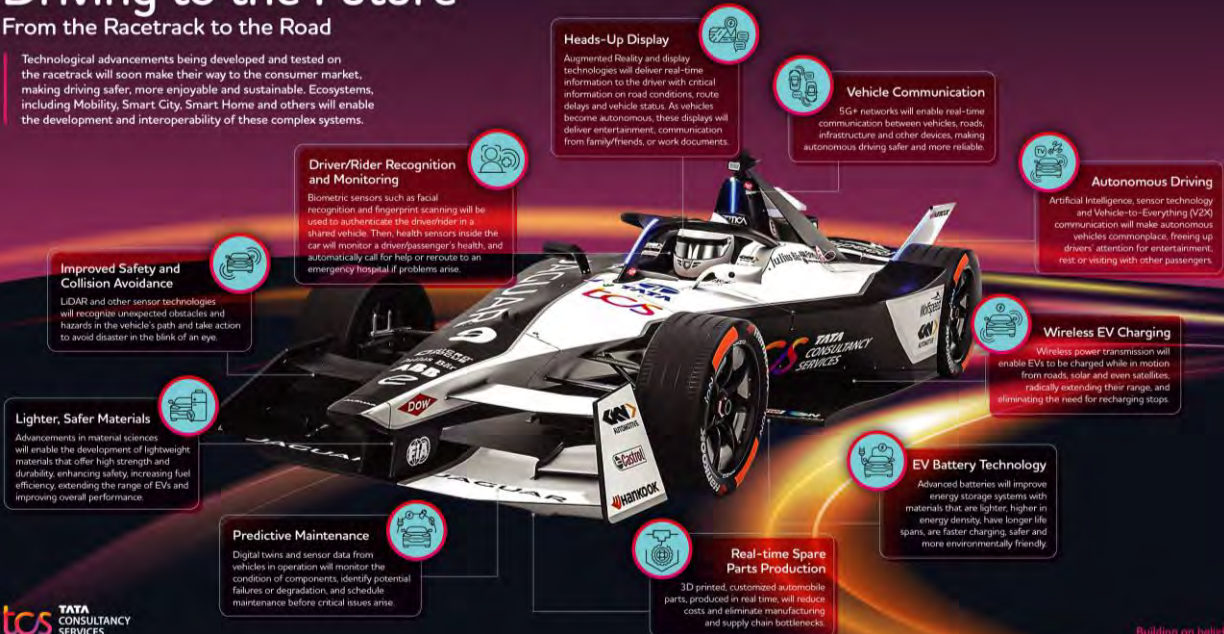
New innovations such as Digital Twins and 3D-printed organs will allow doctors, researchers, and surgeons to predict health outcomes and test new therapies digitally instead of exploratory surgery or animal testing.



Driving to the Future

From the Racetrack to the Road

Technological advancements being developed and tested on the racetrack will soon make their way to the consumer market, making driving safer, more enjoyable and sustainable. Ecosystems, including Mobility, Smart City, Smart Home and others will enable the development and interoperability of these complex systems.



RUNNING TO THE FUTURE

EMERGING DIGITAL TWIN TECHNOLOGY WILL MAKE 2-HOUR MARATHONS COMMONPLACE

NOW

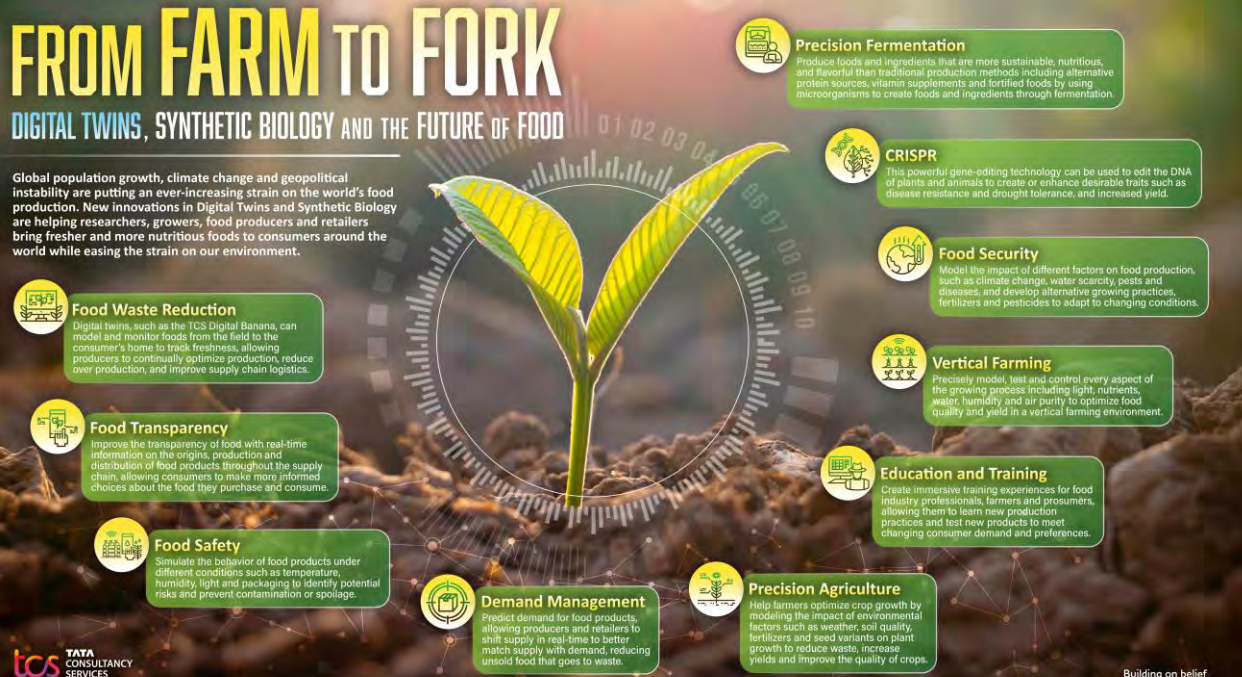
IN 2030



FROM FARM TO FORK

DIGITAL TWINS, SYNTHETIC BIOLOGY AND THE FUTURE OF FOOD

Global population growth, climate change and geopolitical instability are putting an ever-increasing strain on the world's food production. New innovations in Digital Twins and Synthetic Biology are helping researchers, growers, food producers and retailers bring fresher and more nutritious foods to consumers around the world while easing the strain on our environment.



ORGANIZING KNOWLEDGE VIA GENERATIVE AI



REVIEW:

- 1.Sensing and Capturing
- 2.Breaking the World into Data
- 3.Analyzing IT
- 4.Networked Global Knowledge
- 5.Emerging Digital Platforms
- 6.Capturing Reality with Digital Twins
- 7.Organizing & Communicating Knowledge

CONQUERING IGNORANCE



EDITING & CREATING BIOLOGICAL SYSTEMS



COMPETITIVE DECISION MAKING



SPEED



INTELLIGENCE EVERYWHERE



ANALOG



DIGITAL



INTELLIGENT



AUTOMATED EVERYTHING



AUTONOMOUS OPERATIONS

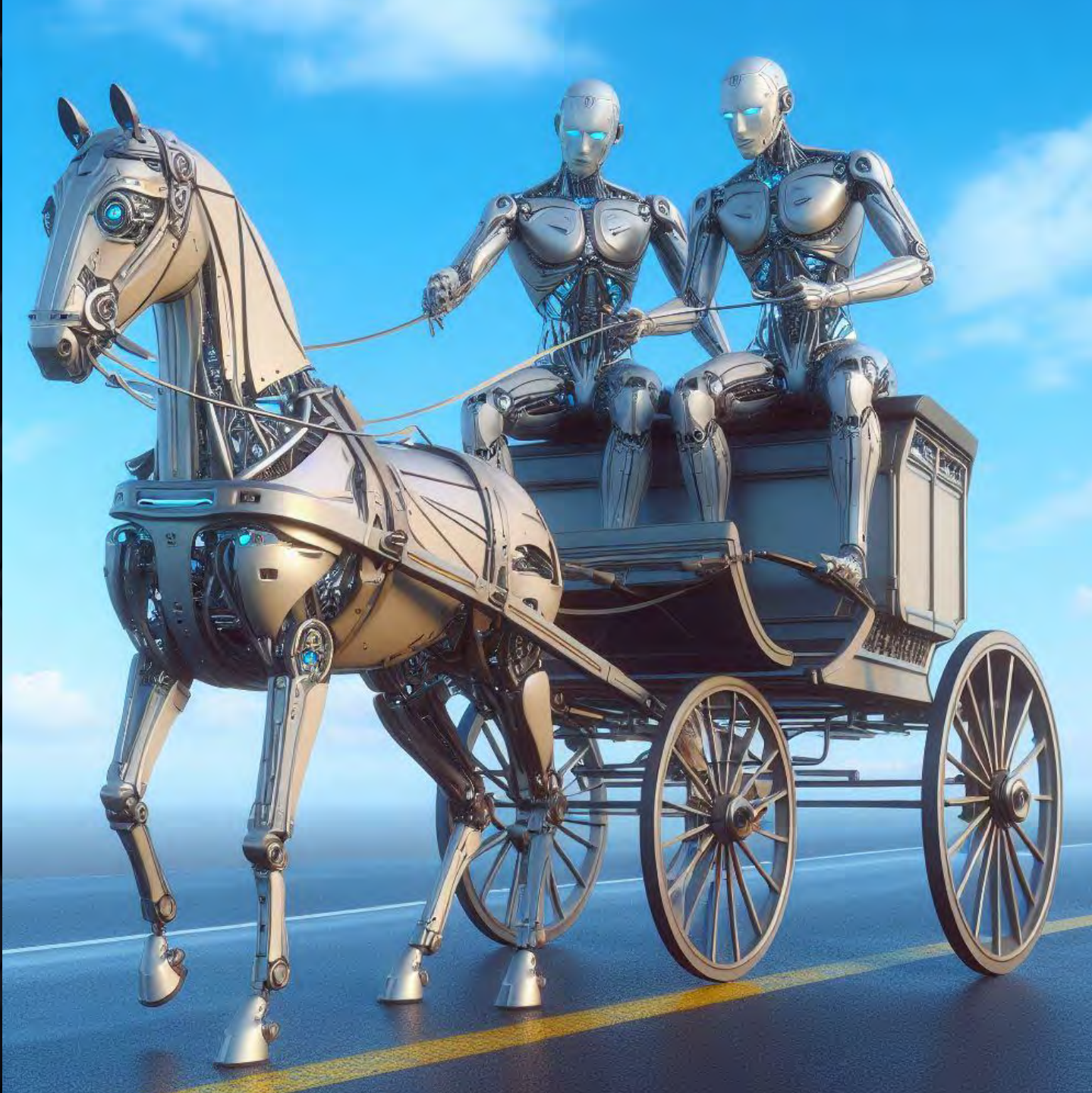


THE NEW FRONTIER COMPLEXITY



STRATEGY

NEW TECHNOLOGIES
WITHOUT NEW
STRATEGIES IS
WASTED.



REMOVE CONJECTURE & BLINDSPOTS



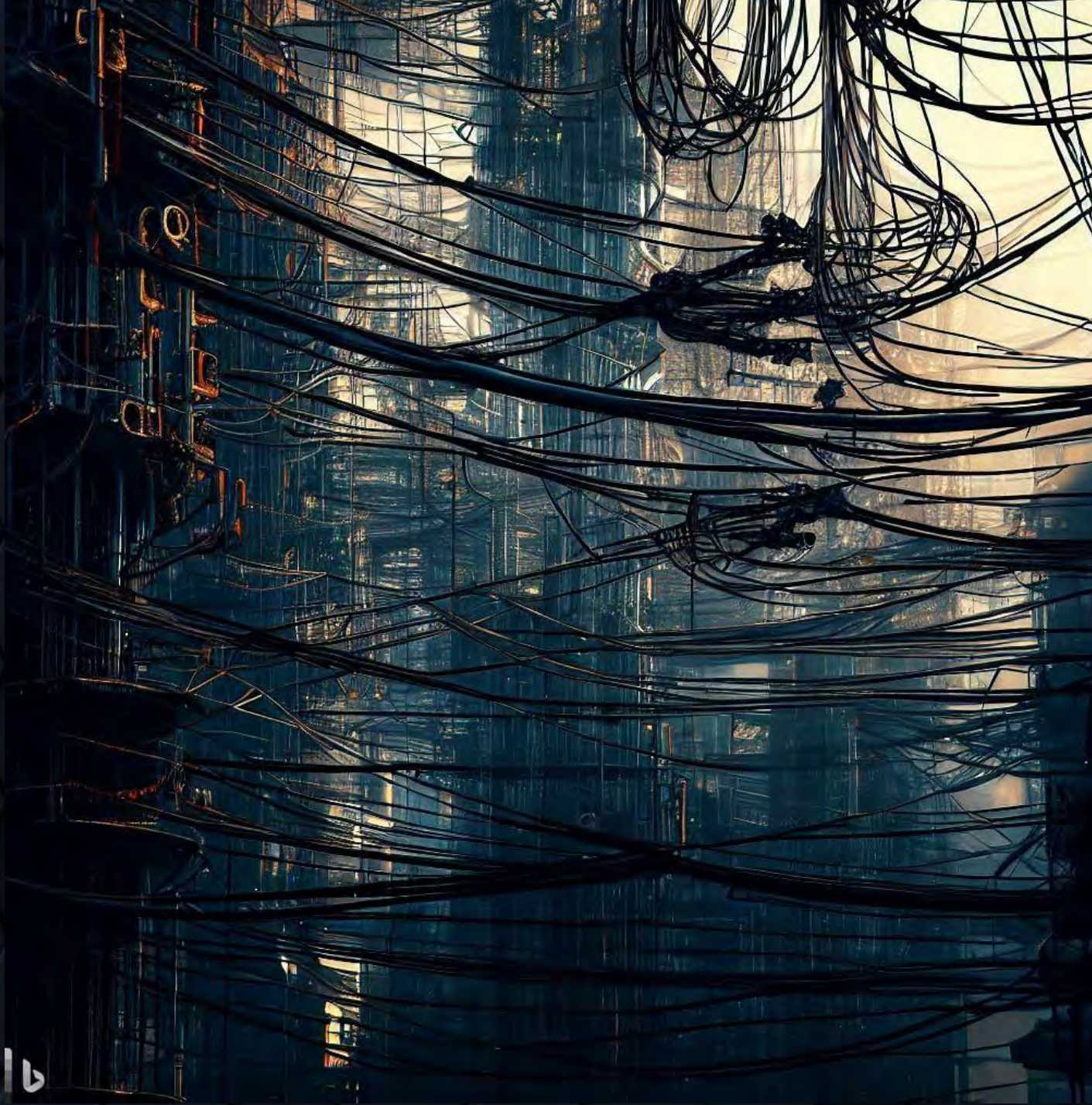
OILS

- OPTIMIZED
- INFORMATION
- LOGISTICS
- SYSTEMS



NETWORK INNOVATIONS

Networks move the world



CUSTOMER EXPERIENCES





GENERATIVE AI





Voice Synthesis

short cut spectrum – 00:40

ENGLISH



HINDI



SPANISH





How often do you use Generative AI?

- Daily - 35%
- Weekly - 30%
- Monthly - 07%
- Not Using - 28%

LIFELONG LEARNING



NEW WORLD

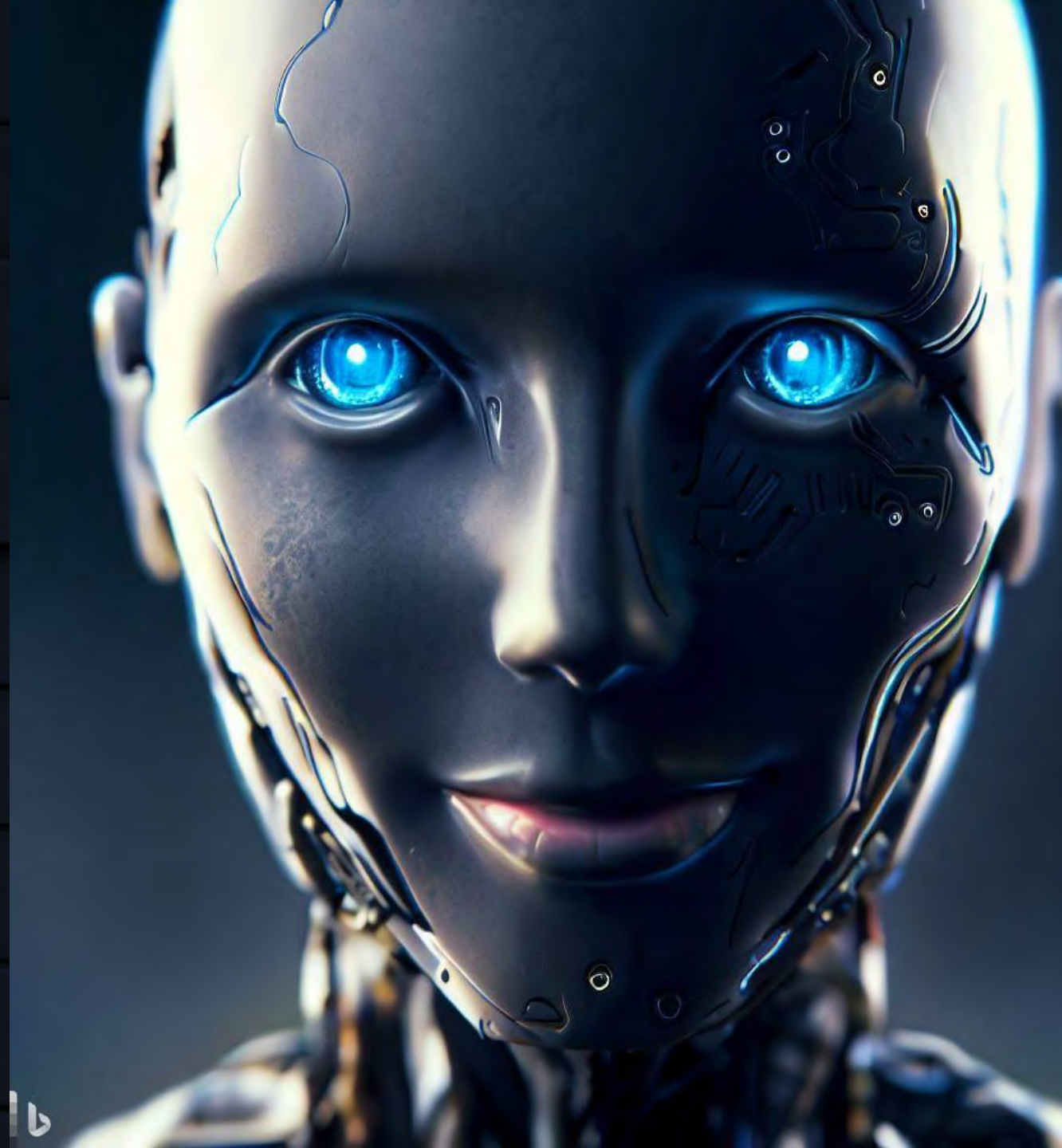
HUMAN-ROBOT PAIRING



DEEP-KNOWING

AI SYSTEMS THAT UNDERSTAND:

- PSYCHOGRAPHIC PROFILES
- PERSONALITIES
- PREFERENCES
- ETHNICITIES
- LANGUAGES
- CULTURES
- TRAITS
- HABITS
- VALUES
- DNA
- ETC.



ROBOT BOARD MEMBERS



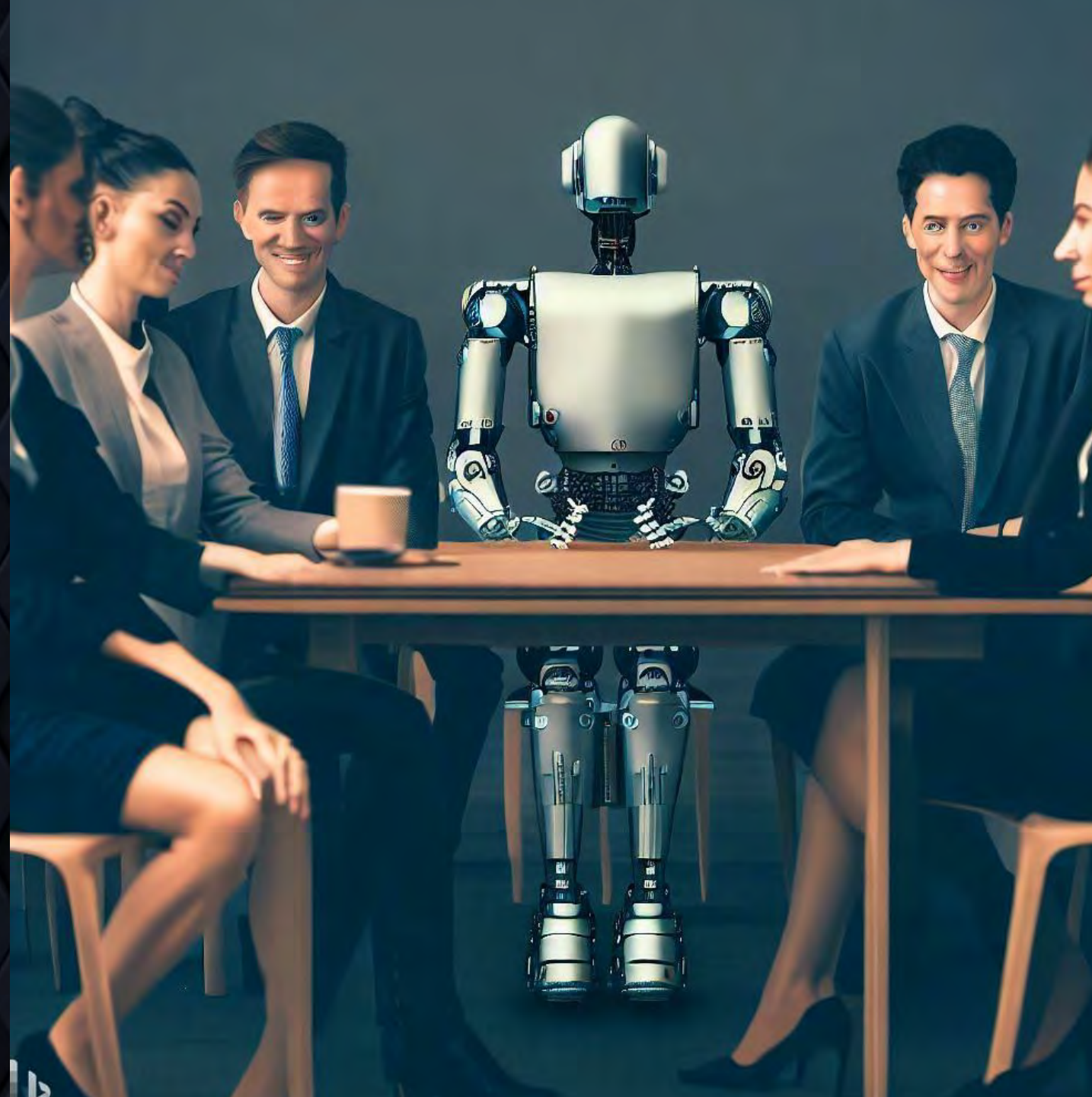
ROBOT EXECUTIVES



ROBOT MANAGERS



ROBOT WORKERS





WHY DID THE CLOCK REPAIRMAN CLIMB A LADDER?



A futuristic construction site with workers and drones. In the foreground, five construction workers wearing hard hats and safety vests are gathered around a tablet. In the background, a city skyline is visible with several tall buildings under construction. A large white robot is flying in the sky, and several drones are also visible. The scene is set against a bright, cloudy sky.

THANK YOU!