Toshiba Group's Risks and Opportunities by Business

	Energy Systems & Solutions Business	Infrastructure Systems & Solutions Business	Electronic Devices & Storage Solutions Business	Digital Solutions Busir
Risks	Transition Risks	Transition Risks	Transition Risks	Transition Risks
	 Increase in response costs and missing out on sales opportunities due to regulations on the sale of equipment that uses sulfur hexafluoride (SF₆) such as gas insulated switchgears, for which regulations are increasingly restrictive Missing out on sales opportunities for products due to delayed development of new technologies related to renewable energy Missing out on sales opportunities due to the 	 Increase in response costs and missing out on sales opportunities due to regulations on the sale of equipment that uses sulfur hexafluoride (SF₆) such as cubicle gas insulated switchgears (C-GIS) for which regulations are increasingly restrictive Increase in development costs as a result of introducing low carbon technologies or next- generation technologies to social infrastructure products, industrial equipment, etc. 	 Increase in costs as a result of installing detoxifying equipment or changing to alternative gases due to tightened regulations on wafer-etching process gas Increase in amount of capital investment for reducing greenhouse gas emissions Missing out on sales opportunities due to being unable to develop products for low carbonization or decarbonization including power semiconductors at an appropriate time 	 Missing out on sales opportunities shortage of digital human resource facilitate the advancement of tech that develop the digital economy (DX*² → QX*³), and increase in develops in this area Increase in costs for securing and digital human resources for facilities expansion of the digital service matrix 1: Digital Evolution *2: Digital Transformation
	 shortage or difficulty in procuring renewable energy-related components Increase in product development and production costs as a result of changing the materials of energy related products for low carbonization or decarbonization Costs for design changes in wind power generation facilities in anticipation of stronger winds blowing due to unusual weather 	 etc. Increase in procurement costs due to price hikes in steel, copper, aluminum, etc. Increase in product development and production costs as a result of changing the materials for low carbonization and decarbonization in social infrastructure facilities, etc. 	 Increase in procurement costs due to price hikes in main components Physical Risks Impact on manufacturing processes and increase in costs attributable to water shortage due to temperature rise 	 *3: Quantum Transformation Physical Risks Temporary suspension of product service provision due to natural di caused by unusual weather, result customers to whom products are (factories, etc.) being affected by distribution being cut off
Opportunities	 Increase in demand for renewable energy-related technologies Increase in demand for hydrogen solutions Increase in demand for virtual power plants (VPP) Increase in demand for SF6 gas-free equipment Spread and expansion of CCUS (carbon capture, use, storage) 	 Increase in demand for railway systems using batteries that contribute to reducing environmental impacts Increase in demand for automotive products due to increased sales of electric vehicles Increase in demand for disaster management solutions Increase in demand for products with low CO₂ emissions and systems linked to such products 	 Increase in demand for energy efficiency products, including power semiconductors and high-efficiency semiconductors Increase in demand for semiconductor products that are adapted to demand for energy saving products. Increase in demand for products related to electric vehicles due to the expansion of their market Increase in demand for low power-consumption helium-filled HDDs 	 Increase in demand for ICT solutions (n IoT solution "Meister Factory series," m IoT cloud service "Meister ManufactX™, contribute to reducing greenhouse gas t improved productivity and streamlining Increase in demand for co-creation and with partners who are developing decar businesses (strategic procurement solu SRM™," etc.) Increase in demand for maintenance, op recurring businesses for reducing enviro impacts Increase in demand for co-creation and utilization businesses (human resource solution "Generalist®", etc.) that involve and the industry
	ResponseRenewable EnergyHydrogen EnergyVPP (Virtual Power Plant)Toshiba and Meidensha to develop GIS jointly using natural origin gases (News Release)Efforts for CO2 emission reduction – CO2 capture technologyDevelopment Project of Integrated Demonstration Facility and Supply Chain for Sustainable CCUS Adopted by Ministry of the Environment (News Release)	ResponseRailway SystemsAutomotive SystemsDisaster Management SolutionsStormwater DrainageRenewable Energy Power Generation SystemsWeather RadarRobotics, Logistics System Solutions	ResponsePower SemiconductorsToshiba to Expand Power SemiconductorProduction Capacity with 300-millimeter WaferFabrication Facility (News Release)Automotive DevicesStorage Products	Response Factory IoT Platform Manufacturing IoT Cloud Service "Meister ManufactX™" Strategic Procurement Solution "Me SRM™" Collaboration with Zeroboard Inc. on GHG Emissions Calculation and Visualization Services Human Resource Management Solut" "Generalist®"

siness	Battery Business
	Transition Risks
ies due to a irces who chnologies	 Increase in costs for automotive battery products due to tightening of automobile fuel consumption regulations (CAFE*4 regulations, etc.)
y (DE*1 → development	 Increase in procurement costs due to export controls in rare earth producing countries
nd developing	 Increase in response costs and price pass-through to procured items due to the EU battery regulation
ilitating the market ^{mation}	 Increase in energy costs due to delayed investment in technologies that reduce greenhouse gas in manufacturing processes
	 Missing out on sales opportunities due to delayed development of materials that emit less greenhouse gas for reducing carbon footprint
ict and	 Increase in procurement costs as a result of changing materials due to more advanced energy saving technologies for battery products
disasters sulting in re delivered by them and	 Missing out on overseas sales opportunities due to delayed investment decisions in response to increasing demand for automotive battery products, etc.
	*4: Corporate Average Fuel Efficiency
(manufacturing manufacturing K™," etc.) that as through ng of operations nd collaboration carbonization olution "Meister , operation, and vironmental nd data rce management lve customers	 Increase in demand for automotive batteries as a result of the shift to hybrid and electric vehicles Increase in demand for stationary and industrial batteries with high energy saving performance intended for railways, vessels, industrial equipment, etc. Increase in demand for storage battery systems due to accelerated introduction of renewable energy Increase in demand for products that meet needs for adaptation measures such as emergency storage battery systems
Neister on plution	Response SCiB™ Rechargeable battery Toshiba's SCiB™ rechargeable battery used in various fields SCiB™ Topics Sustainability of SCiB™ Construction of Yokohama Battery Operations for Increasing Production of Lithium-ion Batteries (Completed in 2021)