

[Action Plan]



Realize a decarbonized society



Realize a recycling oriented society



Realize a society in harmony with nature



Healthcare Solutions



Nano-Technology Solutions



Value Chain Solutions



Core Technology Solutions



Common initiatives



Outside four business segments

	Content of Initiative	Social and Environmental Value	FY2022 Results	FY2023 Results	FY2024 Plan
1	<p>Provide high-performance, low-cost semiconductor manufacturing and testing solutions</p>	<ul style="list-style-type: none"> Contribute to curbing CO₂ emissions increase due to the advance of digital society Contribute to curbing CO₂ emissions increase due to power consumption in the manufacture and use of semiconductors 	<ul style="list-style-type: none"> Developed new equipment with improved power savings and processing capacity Launched sales of LS9600 new analysis equipment achieving high sensitivity and high processing capacity Contributed to higher efficiency in semiconductor material development by providing a combination of analysis and measurement equipment and AI-based MI solutions 	<ul style="list-style-type: none"> Continued development of new equipment with improved power savings and processing capacity Launched sales of GT2000 and DI4600 measurement equipment realizing higher performance and faster processing with less energy consumption Continued to sell existing products and pursued further processing capacity enhancements using the continuous improvement process (CIP) 	<ul style="list-style-type: none"> Initiatives toward the release of new equipment that saves power and improves processing capacity Reduce CO₂ emissions per wafer produced Reduce the amount of discarded parts by extending the service life of periodically replaced parts
2	<p>Provide measurement and inspection solutions in the R&D of materials to help achieving carbon neutrality</p>	<ul style="list-style-type: none"> Contribute to the realization of a decarbonized society 	<ul style="list-style-type: none"> Continued to provide measurement and inspection solutions Automated particle measurement and material analysis for batteries, catalysts, electronic materials, and contaminants Collaborated with companies, universities, and research institutes in various countries on R&D of next-generation materials 	<ul style="list-style-type: none"> Continued to provide measurement and inspection solutions for particle measurement and material analysis of batteries, catalysts, electronic materials, and contaminants Maintained efforts to provide solutions for companies, universities, and research institutes in various countries on R&D of next-generation materials 	<ul style="list-style-type: none"> Provide solutions for the development of fuel cells, solar cells, all solid state batteries, catalysts, and other energy-related materials Expand the regions in which we provide the abovementioned solutions
3	<p>Provide solutions that contribute to manufacture of safe and inexpensive LiBs that drive electrification and development of next-generation LiBs</p>	<ul style="list-style-type: none"> Contribute to the spread of decarbonized mobility 	<ul style="list-style-type: none"> Developed LiB manufacturing facilities with high mass production performance Reduced the defect rate, power consumption, and waste materials by detecting contaminants with high accuracy in the LiB raw material intake and manufacturing processes Dispatched engineers to battery manufacturers aiming to develop next-generation LiBs to provide technical support 	<ul style="list-style-type: none"> Continued to develop LiB manufacturing facilities with high mass production performance: High-speed, high-precision technology verification and development Expanded the range of LiB manufacturing equipment users Introduced inline contaminant inspection system to eliminate defects in the LiB manufacturing process and accelerate the reduction of defect rates, power consumption, and waste materials Increased number of engineers dispatched to customers aiming to develop next-generation batteries, and provided next-generation battery manufacturing equipment to enable customers to conduct prototyping and pilot production 	<ul style="list-style-type: none"> Continued to expand the range of LiB manufacturing equipment users Continued to develop LiB production facilities with high mass production performance Significantly reduced defect rates by implementing comprehensive DX-based inspections throughout the entire manufacturing process, including upstream Expanded next-generation battery manufacturing facility users
4	<p>Create energy, introduce renewable energy, and conserve energy with the aim of achieving carbon neutrality in the Group's global factories and offices</p>	<ul style="list-style-type: none"> Eliminate CO₂ emissions (Scope 1, 2)*¹ 	<ul style="list-style-type: none"> Converted to renewable energy CO₂ reductions: 27,400 t-CO₂ Domestic sites achieving carbon neutrality in FY2022: 0 (cumulative total: 7) Acquired CDP "A" rating 	<ul style="list-style-type: none"> Converted to renewable energy CO₂ reductions: 19,600 t-CO₂ Acquired CDP "A" rating 	<ul style="list-style-type: none"> Convert to renewable energy CO₂ reductions: 18,600 t-CO₂ Domestic sites achieving carbon neutrality in FY2024: 1 (cumulative total: 8) Regularly invest in environmental equipment
5	<p>Support procurement partners in visualizing and reducing CO₂ emissions from products and commercialization aimed at provision to customers</p>	<ul style="list-style-type: none"> Contribute to the elimination of CO₂ emissions (Scope3)*² 	<ul style="list-style-type: none"> Began monitoring procurement partner CO₂ emissions: Actual: 558 companies /Number of companies to be monitored: 1,590 (Company requests in FY2022: Approximately 800) Monitoring rate: 35.1% Launched support for environmentally advanced partner company*³ CO₂ reduction efforts 	<ul style="list-style-type: none"> Continue monitoring procurement partner CO₂ emissions: Results: 633 companies (accumulated) /Number of companies to be monitored: 1,189 (Company requests in FY2024: 801) Monitoring rate: 53.3% Conducted analysis of environmentally advanced partner companies to reduce CO₂ emissions Commenced operation of a greenhouse gas (GHG) calculation tool (online system) facilitating the collection and aggregation of CO₂ emission data from individual domestic supplier companies 	<ul style="list-style-type: none"> Continue monitoring procurement partner CO₂ emissions: Target: 820 companies (cumulative total) (Company requests in FY2024: 1,172) Monitoring rate: 70.0% Ascertain the CO₂ emissions of each overseas Group base procurement partner Expand number of environmentally advanced partner companies Aim to develop and commercialize a GHG calculation tool (web system) for each part that collects and aggregates supplier CO₂ emissions

*1 Scope 1 refers to Hitachi High-Tech emissions; Scope 2 refers to indirect emissions from electricity, heat, steam, and other energy sources purchased and used by the Company

*2 Scope 3 refers to indirect emissions other than those in Scope 2 (emissions from other companies involved in Hitachi High-Tech business activities)

*3 Partner companies engaged in advanced environmental activities through environmental management systems, etc.