TAISEI Green Target 2050
Roadmap to a Sustainable, Environmentally Friendly Society

TAISEI is working to achieve and deepen “carbon neutral”, a “circular economy” and “nature positive” to realize the sustainable, environmentally friendly society envisioned by the TAISEI Green Target 2050

		2026	2030	2050
Decarbonized Society / CN (Carbon Neutrality)			**Scope 1+2: Total emissions** ▲ 4 2%(compared to 2022) **Scope 3: Total emissions** ▲ 2 5%(compared to 2022)	**Scope 1+2: Zero CO2 emissions** **Scope 3: Zero CO2 emissions throughout the supply chain**
Scope1	Construction machinery, vehicles etc.	●Introduction of hybrid type construction machinery, and GTL	●Introduction of innovative construction machinery (electric, hydrogen etc.)	
	New energy (hydrogen/ammonia)		●Introduction of new energy	●New energy utilization
Scope2	Renewable energy sources (RE)	●Possession of renewable energy power sources to cover the Group power consumption needs		●Contribute to the realization of zero emissions through increased possession and supply of RE
Scope3	Construction materials that contribute to decarbonization	●《T-eConcrete®,T-Green® Multi Solar》Promotion of development /dissemination	●Increased dissemination and commercial application of construction materials that contribute to decarbonization	●Permeation throughout society of construction materials that contribute to decarbonization
	Net Zero Energy Building (ZEB)	●Promotion of development and dissemination of ZEB for new building	●100% ZEB for Taisei design buildings	●Tremendous advance in ZEB performance
Zero Carbon Buildings(T-ZCB®)		●Development and demonstration of T-ZCB®	● Promotion, development and dissemination of T-ZCB®	● Increased dissemination of T-ZCB®
Avoided emissions	Green Renewal ZEB	●Promotion development and dissemination of Green Renewal ZEB	●Increase in orders along with increased market size	●Increased dissemination of Green Renewal ZEB
	CCS*1 CCU*2	●Development of CCS:FS*3 FEED*4／CCU technologies	●Commercialization of CCS / Development and dissemination of CCU	●Increased commercialization of CCS / Commercialization of CCU
Regional cooperation		●Demonstration and development of co-operative activities for decarbonized society, while utilizing local resources		

*1 CCS: Carbon Capture and Storage *2 CCU: Carbon Capture and Utilization *3 FS: Feasibility Study *4 FEED: Front End Engineering Design

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Recycling-Oriented Society / CE (Circular Economy)		**Promotion of green procurement** **Construction waste final disposal rate :3.0% or less**	**Green procurement rate: 100%** **Final disposal rate of construction by-products: 0%**
3R+Renewable	●Promotion of Reduce, Reuse, Recycle + Renewable		
Construction wastes	●Promotion of sorting and volume reduction	●Promotion of recycling	●Realization of circular economy
Soil generated by construction	●Reorganization of management system for soil generated by construction	●Promotion of use of soil generated by construction	
Green procurement	●Active use in design and construction projects / Encouragement of use in supply chain ●Establishment of tabulation criteria and target setting ●Significant increase in green procurement rate		
Recycling of industrial by products	●Development and dissemination of environmentally friendly concrete that utilize industrial by-products ●Development and deployment of recycling technologies for concrete rubble, plastic wastes, glass, sludge, etc.		
Energy using biomass	●Technology development	● Implementation and deployment	
BIM/CIM utilization	●Establishment of circular platform that associated with BIM/CIM ●Promotion of visualization and circular materials in construction lifecycle		
Soil and groundwater in-situ purification	●Advancement and provision of technologies (compatibility with substances that are expected to be regulated, and reduced load)	●Increased provision ●Provision of technologies for revitalization and circulation of soil and groundwater resources using DX	
Regional cooperation	●Demonstration and development of co-operative activities for recycling-oriented society, while utilizing local resources		

Nature Co-Existing Society / NP (Nature Positive)

- Promotion of projects : 50 or more per year
- Development of evaluation method : apply to 30% of design and construction projects
- Respond to marine Issues

All of these contribute to being nature positive

- Minimize the adverse impacts from our building construction business
- Maximizing the positive impact of implementing business that coexist with nature

	2026	2030	2050
Determining impact on biodiversity	●Establishment and improvement of evaluation method / Implementation of evaluation on major projects	●Implementation of evaluation on 30% of design and construction projects	●Implementation of evaluation on all of design and construction projects
Sustainable procurement	●Procurement status survey	●Transition to sustainable wood procurement	●Transition to sustainable procurement for all construction materials
Implementation of proposals and construction work to contribute to nature positive	●Promotion of greening and waterfront creation ●Development of environmental restoration technologies in oceans and other water areas ●Development and dissemination of Green infrastructure ●Creation of nature in cities All of these contribute to preserving and restoring ecosystems	●Contribution to an OECM* to achieve the 30 by 30 Target ● Promotion of solutions that use nature (NbS : Nature-based Solutions) ● Creation of workspaces in harmony with nature	●Implementation of infrastructure projects that regenerate nature ●Creation of lifestyles that are in harmony with nature
Regional cooperation	●Demonstration and development of co-operative activities for nature co-existing society, while utilizing local resources		