				(•	<b>↓</b>		
СТСІ			Sustain Overview Manago	able T ement R	he Sustainable Ioles CTCI Plays II	Accountable Governance	ble ce Appendix
		Identification results of the main	The Most Reliable Globa The Best Employer That n risks and	al Engineering Builds / A C	Services Provider / corporate Citizen Wi	Trailblazer c	r of Green Innovation / nmit Management measures taken by CTCI
		opportunities of climate ch	hange	range	impact		
Risks	1.5°C Scenario: Transformation	As customer behaviors would chan climate, CTCI must adjust itself to c customers Clients might make changes in tern positioning, which will, in turn, affec professional workforce deploymen If the actual impact of climate chan people's willingness to refine and e globe. CTCl's business is transitted of hydrocarbon plants to the low ca model. Given that there will be risin awareness in the future, CTCI must model if it hopes to ensure sustaina	nge due to unstable ater to the needs of ms of their product ct our Company's t costs. ge intensifies, it will affect extract oil across the from the construction arbon green engineering ig environmental c hange its business able business.	<ul> <li>Within the Organization</li> <li>Customers' side</li> </ul>	<ul> <li>Decrease in rev Increase in ope cost</li> <li>Increase in cap expenditure</li> <li>Decrease in as:</li> </ul>	venue rating ital set value	<ul> <li>Review the possible impact of climate change issues on the market, follow market trends and get information, and develop related green energy engineering technical services.</li> <li>Increase brand and marketing efforts, and follow the market trends to provide diversified engineering services.</li> <li>Understand the application and development of various corresponding reduction control techniques and increase the diversity of operations.</li> <li>Build a relationship with potential business partners and let them know the latest trends or understand customers' needs to suggest measures and related information.</li> <li>Promote and implement green engineering technical services to ensure engineering service quality.</li> </ul>
	NDC Scenario: Regulatory	<ul> <li>Currently, we do not see that intern laws and regulations have significa CTCI, but continuous monitoring is</li> <li>Governments around the world are regulations restricting greenhouse international agreements have exp global reduction targets. Besides, T published the 2050 net-zero roadn global trend of ESG &amp; net-zero.</li> <li>The products and services provide comply with environmental-related</li> </ul>	ational and domestic int and direct impact on necessary. gradually formulating gas emissions, and ressly pointed out faiwanese Government nap, highlighting the d by the Company shall regulations.	<ul> <li>Within the Organization</li> <li>Customers' side</li> <li>Supply chain</li> </ul>	<ul> <li>Increase in ope costs</li> <li>Increase in cap expenditure</li> <li>Decrease in as:</li> </ul>	rating ital set value	<ul> <li>Committed to the 2030 &amp; 2050 net-zero emission roadmap, join the volunteer net-zero initiative, implement the GHG inventory and set the reduction target. Join hands with the supply chain for the commitment of ESG and net-zero, engaged in carbon reduction action, promote the GHG incentory, and set the reduction targets for the formation of the low carbon supply chain.</li> <li>Carry out an assessment based on environmental criteria and HSE regulation criteria as stipulated in our internal HSE regulations identification procedures to manage the risks that come with new regulations.</li> <li>Assign personnel to study the content and impact of international conventions or protocols, and develop countermeasures early as per international conventions and treaties. CTCI establishes, maintains, and implements a series of assessment procedures on HSE</li> <li>regulations identification and compliance.</li> </ul>
	RCP8.5 Scenario: Physical	Extreme climate and natural disaste potential delays in engineering, dar structure, and property loss, they m allocation, such as their incapacity i cases, even lead to incidents involv Regional water scarcity due to low consumption during construction. The cost of procurement may incre reallocations of natural resources g If the temperature of the project sit must stop working to avoid thermal	ers not only may bring mage to engineering nay also affect workforce to work, or in more severe ving casualties. rainfall may affect water wase due to changes or globally or regionally. e is too high, workers I hazards.	<ul> <li>Supply chain</li> <li>Within the Organization</li> </ul>	<ul> <li>Increase in ope cost</li> <li>Decrease in as:</li> </ul>	• rating set value •	<ul> <li>Change construction strategies, try to get a longer timeframe, and include risk management costs in the quotation.</li> <li>Carry out pre-work training on subjects like thermal hazard safety guidelines, precautions, and personal health management.</li> <li>Provide a comfortable work environment for employees and workers, so that they are free from environmental injuries and ensuring that they have sufficient stamina.</li> <li>Plan for stable sources of water supply, set up recycling equipment, and reuse water resources.</li> <li>Purchase natural disaster insurance.</li> <li>Seek long-term supplier partners so we can get lower price for larger quantity of procurement.</li> </ul>
Risks	1.5°C Scenario: Transformation	<ul> <li>Circular economy and waste recycl the linear economy model.</li> <li>Changes in global or regional so increase local demands for new environmental engineering projects</li> </ul>	ling are starting to replace ocioeconomic status may engineering projects or s.	<ul> <li>Supply</li> <li>chain</li> <li>Within the</li> <li>Organiza-</li> <li>tion</li> <li>Customers'</li> <li>side</li> </ul>	<ul> <li>Increase in reve</li> <li>Decrease in op cost</li> <li>Decrease in cap expenditure</li> <li>Increase in cap</li> <li>Increase in asse</li> </ul>	enue eration pital ital gain et value	<ul> <li>Increase market acumen and service diversity and continue doing market research and local observations.</li> <li>The incineration power plants operated by our Group Resource Cycling Business sell the electricity generated from waste incineration back to Taiwan Power Company, which increases our revenue while minimizes the use of fossil fuels.</li> <li>Participate in the "Demonstration and Promotion Plan for the Public Sewage Treatment Plant Drainage Water Recycling of the Construction and Planning Agency" to create sustainable business opportunities for water resource recycling economy</li> <li>Provide products and services with low environmental impact, especially in terms of greenhouse gas emissions.</li> </ul>
	NDC Scenario: Regulatory	<ul> <li>When proprietors whom we ser greenhouse gas regulations, this offer them services with green en- are more energy-efficient and envir</li> </ul>	ve need to comply with becomes our chance to gineering techniques that ronment-friendly.	Customers' side	<ul> <li>Increase in reve</li> <li>Reduction in ca expenditure</li> </ul>	enue pital •	<ul> <li>Continue to develop green engineering techniques to update regulations and standards according to the owners' needs</li> <li>Understand trends in technical applications in the market, apply the best available techniques, and invest in new technical development through collaboration among the industry, government, and universities.</li> </ul>
	RCP8.5 Scenario: Physical	<ul> <li>As climate becomes more extrem construction techniques for clients th the loss caused by natural disasters competitiveness.</li> </ul>	ne, CTCI has high-quality nat can help them minimize s and increase our market	<ul> <li>Within the Organiza- tion</li> </ul>	<ul> <li>Increase in reve</li> <li>Decrease in op cost</li> <li>Reduction in ca expenditure</li> <li>Increase in cap</li> <li>Increase in asso</li> </ul>	enue eration pital ital gain et value	<ul> <li>Develop green engineering technical services or increase existing energy efficiency.</li> <li>Use the best available techniques. Green engineering of high efficiency and low emissions are priorities when considering services in their full lifecycle.</li> </ul>