WHAUP

WHA UTILITIS AND POWER PUBLIC COMPANY LIMITED SET AWARDS : SUSTAINABILITY EXCELLENCE 2023

WH/

INTRODUCING SPEAKER & TEAM



Speaker



Mr. Somkiat Masunthasuwun

Chief Executive Officer

Team



Mr. Akarin Prathuangsit Chief Operation Officer



Mr. Khamhoung Ratsamany Vice President Business Operation



Mr. Varanon Laosuwan Director of Utilities Business Development



Mr. Prapon Chinudomsub Chief Financial Officer



Ms. Pathathai Tonsuwonnont Assistant Director of Power Business Development



Ms. Nutcha Rattanajitbanjong Corporate Secretary



BUSINESS OVERVIEW





Vision:

"To be Asia's leader in Utilities and Power providing total solutions to partners with good corporate governance as well as environmentally and socially friendly operations"

Utilities Business

Sole provider of utilities to manufacturers/factories in leading industrial estates with a concrete plan to capture increasing demand from heavy users and expand outside i.e. other IEs, non-IE area and international







Industrial Water - Process water

- Clarified water



Wastewater Treatment





Demineralized Water



Reclaimed Water

llion m

6M'2023

Power Business

Active power provider and investor with strategic partnership with leading Thai and international power companies







Renewable

654



607

2021

\Wea













Installed Equity MW under Operation

*717 MW is total capacity including projects under development and 125 MW is the installed capacity of 5 Solar farm project awarded by ERC on 5 Apr 2023

ASSET LOCATION & PORTFOLIO



Utilities Business – Assets Location

- WHAUP's exclusive rights to operate and provide utilities services to customers in WHA Industrial Estates and 2 other areas outside WHA Industrial Estates, which are Eastern Economic Corridor of Innovation (EECi) and Asia Industrial Estate (Map Ta Phut).
- Vietnam, WHAUP holds 47% stake in Cua Lo water plant in Nghe An province and 34% stake in SDWTP water plant in Hanoi and has full exclusive rights to operate 1 WHA Industrial zone in Nghe An and 1 under development.





Power Business – Portfolio Breakdown



100%

WHAUP CORPORATE STRATEGY





UTILITIES BUSINESS

Grow with Industrial Estate Development Central utilities and Value-added Products



Offer Innovative and Sustainable

Solutions for Customers

Reused Water, Reclamation Water, Desalination Water, Solution to reduce water footprint, Improve water quality & Efficiency



Capture Opportunities

Value-added products



Digitalize Operation through Smart Water Platform

Water Optimization, UOC



Focus on Vietnam Market

Industrial Users and Residential Users

POWER BUSINESS

Utilities &

Power

Enlarge Domestic Portfolio with Clean Energy

Solar & Wind Farm, Waste-to-Energy Power

Penetrate to International Markets

Solar Rooftop in Vietnam, Studying Renewable projects outside Thailand



Utilize Innovative Solution in Sustainable Manner

Solar Monitoring Platform, Peer-to-Peer Energy Trading, Renewable Energy Certificate, Carbon Trading, and Battery Energy Storage System

Pursue New S-Curve Business

Battery Energy Storage System, and Hydrogen



MISSION TO THE SUN PROGRAMS: TURN TO TECH COMPANY IN 2024





BUSINESS CHALLENGES



CLIMATE CHANGE AND RISE OF SUSTAINABILITY

Increased focus on the scope 3 emission



The challenge to reduce scope 3 emissions i.e., indirect emissions by suppliers or consumers in an organization's value chain, will accelerate in 2023 as companies focus on their supply-chain partners and on how their products and services are used by customers

Renewable energy and energy security

War and energy shortages accelerate adoption of energy efficiency and renewable energy. Policy incentives will also continue to emerge to stimulate innovation, help tackle climate change and fund the shift to clean energy

Circular economy



Companies are expected to take more action towards circular economy, such as including circularity as a key operational sustainability initiative, and innovation into recycling technology, re-use options, and reusable packing options.

Protecting global biodiversity



With the momentum of COP15, biodiversity-related risks and opportunities is expected to be factored into decision-making. The Taskforce on Nature related Financial Disclosures (TNFD) should provide frameworks to identify, measure and disclose nature related risks and impacts within Sep 2023.

Investments in adaptation and resilience



Risks of climate change, such as rising sea levels, prolonged heatwaves, crop failures, are going to happen more frequently, but investments in the technologies and interventions are lagging. In 2023, it is expected to see significant attention paid to adaptation and resilience financing.

Social sustainability



This will include everything from fair labor practices to diversity, as well as how companies manage human rights in their upstream operations. Industries with the riskiest working conditions will face greater costs associated with building the systems and capacities needed to comply with new requirements.



Any form of currency that exists digitally or virtually and uses cryptography to secure transactions

TECHNOLOGY TREND

Blockchain

FinTech



Stores information in a long chain of "blocks". Its application includes Cryptocurrency

Quantum Computing



Harnesses quantum mechanics to progress in computation to solve certain problems

Includes: Industrial IoT, Digital twins, Robots/cobots/RPA, and 3-D/4-D printing

Sensor and IOT



the collection and analysis of data in real-time, enabling us to make informed decisions and automate processes.



decentralized web while Metaverse provides a

Web 3.0 & Metaverse

Web 3.0 advocates a

foundation for connectivity Both Web 3.0 and the Metaverse are entirely compatible with each other

Cybersecurity



Process automation and virtualization



AI and ML

A technology which enables a machine to simulate human behavior and to create an intelligent system which can perform various complex tasks.

RECLAMATION WATER PROJECTS



Initiated since 2017 to reduce water withdrawal from natural sources, and to minimize the discharged into public waterways. The reclaimed water will help secure raw water resources in long term and can be converted into demineralized water or high-quality water for industrial operators in WHA Group's industrial estates.



WHAUP's TARGET



Key Benefits



Saving **7.0 mm3** of water usage per year from natural water sources or represents **9.4%** of the total water consumption for production

Saving is equivalent to the water consumption of **Kamphaeng Phet** province in 2022. (Ref: Provincial Waterworks Authority).

Saving around **80 million** bath per year on raw water sourcing



Increase production capacity for Reclamation Water by 2 times from 30,200 cubic meter per day in 2020 to 60,400 cubic meter per day in 2025



By 2028

Increase wastewater utilization rate to 100% in 2028

DEMINERALIZED RECLAIMED WATER PROJECTS



The real sustainable resource for future development

The industry uses high quality water **hight quality**

water at a competitive cost.

WHAUP has developed the Demineralized Water Project as an alternative water source for sustainable industrial development in the country. This is considered to extend the existing technology and create innovations to increase product value, from wastewater by turning it into demineralized industrial water.



SOLAR PRIVATE PPA

Clean energy for our customers

Offers an all-in solar rooftop service package for customers in Thailand including permitting, design and engineering, construction and installation, as well as operation and maintenance throughout the contract period





EMBRACING SMART ENERGY SOLUTIONS

WHA Utilities & Power

Peer-to-peer Energy & Carbon Credit Trading Platform

Innovative Energy Solution for Increased Opportunities and Efficiency



- Energy Trading Platform
 (using Blockchain Technology)
- Smart Metering and Billing
- Prosumers
- Consumers/Buyers
- PEA distribution Network







Enabling industrial users to save more than 100 Million Baht per year their electricity cost



Key Benefits

- ✓ Energy cost saving to industrial users
- Increase opportunity to invest in renewable energy
- Help reduce fossil fuel and climate change because we can fully utilize the possible solar area

SET Best Innovative Company Award 2022



Received the Best

Innovative Company Awards

from the SET Awards 2022 for **"Peer-to-Peer Energy Trading:** Future of Energy Market" an innovative system using blockchain technology."

CLIMATE-RELATED PHYSICAL AND TRANSITION RISKS



PHYSICAL RISKS



FLOODING AND EXTREME WEATHER

The increased in severity of extreme weather events and flooding



DROUGHTS The increased in severity of extreme weather events, relating to droughts.



STORMS AND LIGHTING RISK The increased in severity of extreme weather events, relating to storm and lighting



AIR TEMPERATURE The increased in severity of extreme weather events, relating to air temperature.

TRANSITION RISKS



POLICY AND LEGAL Legal and regulation changes relating to GHG reduction, such as enforcing the use of construction materials with no GHG emission.



TECHNOLOGY Changes in direction and development of current renewable energy technology may leads to new demands and expectations from customers.



MARKET

There may also be more demand for environmental friendly building (in both construction process and GHG emission).



REPUTATION WHAUP's stakeholders may pay more attention and demand that the Group take actions to reduce GHG emissions.

MANAGING CLIMATE-RELATED PHYSICAL RISK #1



MANAGING FLOOD RISK -



Strategic Location Selection; substantial above sea level, solid foundation and no obstruction against community water flow



Design properties to cope with severe weather; water drainage, retention pond and building structure (storm and earthquake resistance)



Routine monitoring of water storage level



Routine inspection and maintenance for dikes and water pumps to ensure effective conditions

Installation of ultrasonic equipment and SCADA system to closely monitor water levels and manage raw water supply



UOC: Flooding Prevention System at WHA SIL





MANAGING DROUGHT RISK



Increase the efficiency of natural water use through the implementation of the **SCADA project**



Construction of **additional ponds and water reservoir** to ensure that capacity of water storage is sufficient for selfsupply



Use **Water Reclamation** which reduce the Group's reliance on natural resources, by reducing water withdrawal and water discharge and save costs on raw water sourcing



Reclamation plant at ESIS and Water Reservoir

MANAGING CLIMATE-RELATED PHYSICAL RISK #2





MANAGING STROMS RISK

Select construction materials that meet high standards for utility and power systems to ensure durability and resilience to withstand severe weather conditions.



Studying and developing innovative materials and equipment used in the construction of solar power generation projects to reduce temperatures, prevent overheating, and protect against lightning strikes.



Monitor closely the weather conditions and changes through various news channels



Regularly assess the environmental changes and the surrounding areas of each project.





Choose innovative materials for constructing utility and power system that can help reduce internal temperatures and enhance the efficiency of the overall structure, including air ventilation.

MANAGING AIR RISK



Develop a long-term disaster management and risk mitigation plan.



Upgrade the utility and power system to accommodate events that may arise from climate change.



Enhance awareness and capabilities to effectively manage the entire value chain.



MANAGING CLIMATE-RELATED TRANSITION RISKS





Managing Policy & Legal Risk

- Track relevant legal changes
- Establish guidelines for effective mitigation actions
- Increase renewable energy to reduce greenhouse gas emissions
- Use construction materials that reduce greenhouse gas emissions
- Reuse construction materials through
 processes of recycling and re-use

Managing Technology Risk

- Expand to alternative energy services for customers
- Readiness from the design process of the building that can install solar panels on the roof immediately
- Study various technologies to reduce the impact of climate change

Managing Market Risk

- Adopt cutting-edge technologies to complement the concept of SMART ECO Industrial Estates
- Provide solar energy in the Group's warehouse building that can help customers to reduce energy costs and environmental impacts

Managing Reputation Risk

- Plan and implement strategy towards becoming Net Zero while support customer and partners in utilizing and transitioning to renewable energy
- Work together with customers and partners to reduce climate change challenges throughout business value chain

USING TECHNOLOGIES TO MANAGE CLIMATE CHANGE RISK – UTILITIES BUSINESS



SCADA System for Remote Monitoring

Smart water solution



USING TECHNOLOGIES TO MANAGE CLIMATE CHANGE RISK – POWER BUSINESS





Solar Monitoring and predictive O&M

P2P Energy Trading

- To promote clean energy by trading Solar energy within WHA's IEs
- To optimize electricity management by using AI and Block Chain Technology



Inside prosumer

P2P system

 To monitor, Control and plan for maintenance of Solar projects efficiently





TAKLING CLIMATE CHANGE BY CLEAN ENERGY



Reduce power consumption at water plants by installing solar panels with battery storage system

WHAUP has developed a pilot project to install solar rooftop panels coupled with battery energy storage system (BESS) at the water plant in Eastern Seaboard Industrial Estate (ESIE). The solar rooftop system was completed and commenced operation in November 2021.



- The system's solar rooftop panels generated approximately 813.2 kW of solar power with **BESS capacity of 550 kWh**.
- This project will help WHAUP reduce around 1,150 MWh of electricity off-take from the grid each year, which is equivalent to saving on electricity expenses of around 4 million Baht per year.
- WHAUP will be able to reduce greenhouse gas (GHG) scope 2 emissions by 15,000 tCO2e due to grid electricity substitution throughout the project's lifetime.



Solar Rooftop & Solar Carpark for customers

The company has also implemented various renewable energy projects, including solar power generation with a contracted capacity of 133 megawatts in 2022. It can offsets greenhouse gas emissions by approximately 93,100 tons per year from Scope 2 emissions.

consumption

power



Thailand's largest solar carpark

Solar PV eco System

7.7 MW in WHA ESIE 1



4.2 MW for Solar Rooftop, Solar **Carpark and Solar Floating in ESIE 4**



OUR NET ZERO EMISSION TARGET



WHAUP Achieved Carbon Neutrality since 2021

WHAUP provides solar power, with private PPA scheme, creating Avoided CO2 Emission offsetting CO2 Emissions from our operation

WHAUP Achieved Carbon Neutrality since 2021





WHAUP supports WHA Group to Achieving Net Zero Greenhouse Gas Emissions by 2050



WHAUP SUSTAINBILITY HIGHLIGHT



"The Ultimate Solution for Sustainable Growth"

ENVIRONMENTAL

CHANGING FOR A MORE SUSTAINABLE WORLD

- Solar Power Projects
- Battery Energy Storage System
- P2P Energy Trading
- Energy Reduction Program
- Smart Utilities & Power
- Water Reclamation
- Demineralized Reclaimed Water Project
- Smart Metering
- SCADA
- Biodiversity Policy and Commitment
- Wastewater Treatment
- Waste to Energy
- Plastic Reduction Program
- WeCycle
- Sludge to Soil Nutrient



<u>S</u>ocial Well-being & better life

- Human Rights Awareness
- Satisfactions
- Whappy Program
- Art Camp For Students
- Scholarships
- Teacher Fellowship Program
- Clean Water For Planet
- Wetland Water Systems
- Clean Water For Planet Wet Land & Learning Center
- Pan Gan Project
- Water Hyacinth Project
- Zero Incident Goal
- MTTS Culture Development



<u>**G</u>OVERNANCE**</u>

INTEGRITY & ETHICAL RESPONSIBILITIES

- Code of Conducts
- Corporate Document Management System (CDMS)
- Paperless Transformation
- Digital Transformation Program
- 5-star CGR Rating
- Outstanding AGM Scoring
- Gender Diversity
- Woman Empowerment
- Stakeholder Engagement
- Supply Chain Management
- Risk And Crisis Management
- Data Security Management



WHAUP SUSTAINBILITY MAPPED WITH 17 SDG GOALS



Code of5-star CG	R Rating Managemer ling AGM Scoring Risk and Crisi	 Clean Water for Planet Clean Water for Planet Learning Center 	#1 NO POVERTYPan Gan ProjectWater Hyacinth Project
#15 LIFE ON LABiodiversity Po	ND olicy And Managemer	y nt 17 remetaus 1 Port	#2 ZERO HUNGER •Pan Gan Project •Water Hyacinth Project
Commitment • Tree Planting #13 CLIMATE ACTION	Project		#3 GOOD HEALTH & WI • Zero Incident Goo
 P2P Energy Trading Solar power project Battery Energy Sto System 	• Energy Reduction cts Program	14 trease 14 trease 4 BUALITY 4 BUALITY	#4 QUALITY EDUC • Teacher Fellows
#12 RESPONSIBLE CO	NSUMPTION &		 #5 GENDER EQUALIT Human Rights Awa
PRODUCTIONWaste to energyPlastic reduction	 Sludge to Soil Nutrient WeCycle Water Hyacinth 	DEVELOPMENT CO CO CO CO CO CO CO CO CO CO CO CO CO	 Homan Rights Awa Code of Conduct Gender Diversity Woman Empower
	ATION AND INFRASTRUCTURE		 #6 CLEAN WATER & SANITAT Water Reclamation
 Demineralized Reclaimed Wate SCADA Smart Metering 	 Corporate Document Management System (CDMS) 	10 HEADER C AND READER A MERITANIAN A MER	 Water Reclamation Demineralized Reclaime Water Wastewater Treatment Clean Water for Planet

IO POVERTY

- an Gan Project
- ater Hyacinth Project

#2 ZERO HUNGER

- Pan Gan Project
- Water Hyacinth Project

#3 GOOD HEALTH & WELL-BEING

#4 QUALITY EDUCATION

Teacher Fellowship Program

#5 GENDER EQUALITY

- Human Rights Awareness
- Code of Conducts
- Gender Diversity
- Woman Empowerment

#6 CLEAN WATER & SANITATION • Water Hyacinth

- Water Reclamation
- Demineralized Reclaimed Water
- Project • Wet Land &
 - Learning Center

- 10
- P2P Energy Trading

• Digital Transformation Program

#8 DECENT WORK & ECONOMIC GROWTH •Enhance Employees Engagement

- and Satisfactions
- Water Hyacinth Project

#7 AFFORDABLE & CLEAN ENERGY

- P2P Energy Trading
- Solar Power Projects
- Battery Energy Storage System

Remark: represents MTTS Projects

CLEAN WATER FOR PLANET PROJECT: WASTEWATER MANAGEMENT FOR SOCIETY





CONSTRUCTED WETLAND: SUSTAINABIE WASTEWATER TECHNOLOGY FOR COMMUNIT



WHAUP Constructed Wetland Systems, considered a natural technology that is eco-friendly, cost effective and easy to maintain delivered to Pluak Daeng Sub-District Office in Rayong Province in 2020.



- Demonstrate the application of Simple Wastewater Treatment to Communities in a sustainable method
- ✓ Reduce the organic compound by 80%
- ✓ Treat wastewater with the capacity of 146,000 cubic meters per year
- Benefit to 5,984 individuals, 35 apartments, 12,494 houses, and 4 local markets in the Pluak Daeng community
- ✓ Mitigate risk from complaints related to water pollution to the Company

Sustainable Wastewater Treatment System "Wang Ta Note Constructed Wet Land Project"

In 2022, WHAUP has built a sustainable wastewater treatment system in Nongkla municipality, Chantaburi province, and named the project as "Wang Ta Note Constructed Wet Land Project".



The system can treat up to **292,000 cubic meters** of wastewater per year. It gives Nong Kla communities access to clean water, recreation area, and learning area, and allows WHAUP to reserve such water supply as a backup in the event of drought.

WASTEWATER TREATMENT KNOWLEDGE CENTER



Training couses for students and knowledge-sharing with local organizations



In 2022, there were 8 students participating in the internship program, and 545 interested individuals visited an operational site.

Clean

Clean Water for Planet learning Center



The learning centre is a water management consultant center for various organizations or agencies, student communities, and interested individuals.

WASTE MANAGEMENT FOR CIRCULAR ECONOMY



WASTE TO ENERGY

The first industrial waste to energy facility in Southeast Asia to meet European emission standards

Using safe and environmentally sustainable waste incineration technology and high standard air emission control systems

Create synergy from collaboration with network of partnership

Explore various sources of waste to energy

Create synergy from collaboration with network of partnership





Chonburi Clean Energy (CCE)

Sustainable electricity for around 32,000 homes



Reduce more than 20,000 bottles of plastic waste by stop serving plastic bottled drinking water to its guests and visitors

Paperless Culture



Sort N' Save Project

The Internal Project increase environmental awareness amongst WHAUP's employees and to explore innovative business platforms in alignment with the circular economy principles

WHAUP takes part in WHA Group's journey to digital transformation through the

"E-Paperless" project to drive a paperless culture within the Company. WHAUP can avoid 63,800 document paper from being printed.

Hazardous Chemical Containment Reduction



WHAUP has procured chemical substances via **loading tankers** and empty chemical storage containers **over 2 tons/year to landfill were reduced**.

Sludge to Fertilizer



3,958 tons of sludge that are generated from water and wastewater treatment processes was composed to fertile soil instead of being disposed via Landfill.

The soil ensures no contaminants (i.e. of heavy metals) that could ultimately damage plantations.





WATER HYACINTH PROJECT: TURNING WASTE INTO VALUABLE PRODUCTS



The Community can take unwanted water Hyacinths from WHA's wastewater pond for free

Benefit to community generate income, save cost from purchasing such water hyacinths that is approximately 80-100 Baht per bundle or 100 strands, and have a secure source of raw material.

Save WHA ESIE's cost on contractor expenses for removing such water hyacinths 15,000 Baht/month.

Support this business by purchasing 300 woven baskets from the local community to make use as new year gifts in 2021 contributed to 120,000 Baht of income to the community.

Generate 1 million Baht in revenue for the community, an additional income of approximately 10,000 Baht/month/person.











Waste Management Collaboration Project: Hamper and Laptop Case



- This project collected 8,850 used PET bottles and approximately 4.0 tons of water hyacinth to produce 300 hampers and 200 laptop cases. The products are sold at 600 THB each.
- It can reduce the cost of water hyacinth management by generating such an income with the community to sell the dried water hyacinth fibers for approximately 40,000 baht.
- The rest of the water hyacinth in the WHA Group's pond, WHA Group can use it to produce soil fertilizer using in the Group's industrial estates.

WHAUP COMMITED HUMAN RIGHTS PRINCIPLES AND INVESTMENT IN HUMAN RESOURCE FOR SUSTAINABLE GROWTH



WHAUP Human Rights Policy

WHAUP has identified and assess potential and actual human rights issues including risks and impacts covered the followings;









Employee Rights

ts Community Rights

Customer Rights

Supplier & Business Partners Rights



✓ Operational sites and associated activities were assessed on their Human Rights risks and impacts.

Operational sites and associated activities which have been identified with high Human Rights risks, Have mitigation measures and/or remediation actions implemented.

✓ After the assessment, Operational sites and associated activities were identified with high Human Rights Risks [Salient Issues], Health and Safety of communities, customers and employees, Health and Safety in the supply chain, Livelihood and standard of living for communities

Discrimination and Harassment Policy:

- Zero tolerance on discrimination
- Escalation process
- Non-sexual harassment

Human Rights Commitments:

 Prevent / prohibit human trafficking

Corporate Culture

2



'5 Years' Direction for Human Resource Management

Enhance WHAUP Employment Branding in targeted 1 workforce markets



4

- Accelerate people transformation through **Capabilities Upskill & Reskill**, and promote **Creative Work Environment** to support continuous self-development and drive business results
 - Implement **New Workforce Model** for future proof organization
 - 5 Build **Leadership Pipeline** to ensure business sustainable growth

Human Capital Return on Investment (HCROI)



FY 2022



GOVERNANCE STRUCTURE



WHAUP has commitment to become a leading organization equipped with good corporate governance.

As it proved to be a "5 stars excellent for 4 consecutive years" of Corporate Governance Report assessment from the Thai Institute of Directors (IOD)



WHAUP COMPLIANCE POLICY AND RESULTS



"Good Corporate Governance creates long-term Shareholder Value and builds trust with stakeholders"

CGR Rating	AGM Scoring	Code of Business Conduct	
5 Stars Received a CG Rating of "Excellent" (5 Stars) criteria for 4 consecutive years	Imp Imp 100 Score of AGM Check list for 6 consecutive years	100% of employees have been communicated on the Code of Conduct	
Supplier Code of Conduct	Business Integrity	Data Security	
100% of suppliers are communicated with Supplier Code of Conduct 100% have signed acknowledgement to the supplier Code of Conduct in 2022	<image/>	<image/> <text></text>	







SHAREHOLDER AND MANAGEMENT STRUCTURE





Mrs. Punnee Worawuthichongsathit Independent Director and Audit Committee



Mr. David Richard Nardone Director



Mr. Somkiat Masunthasuwun

Director and Chief Executive Officer



Ms. Jareeporn Jarukornsakul Chairman of Board of Directors



Mr. Weidt Nuchjalearn Independent Director and Chairman of Audit Committee



Mr. Vivat Jiratikarnsakul

Director



Mr. Pajongwit Pongsivapai Director



Independent Director

Mr. Krailuck Aswachatroj

Mr. Ekajai Tivutanond

Independent Director and Audit Committee

Mr. Numchai Lowattanakul

Foreign Institutions 1.5% Domestic Institutions 5.1% WHA Group 73.5%
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Shareholders	No. of shares	%
WHA Industrial Development Public Company Limited	2,694,852,570	70.5%
Bangkok Life Assurance Public Company Limited	97,830,300	2.6%
Ms. Jareeporn Jarukornsakul	73,836,600	1. 9 %
WHA Industrial Development International (SG) PTE. LTD	43,500,010	1.1%
Ms. Chatchamol Anantaprayoon	33,363,478	0.9%
Thai NVDR Company Limited.	27,094.911	0.7%
Mr. Chaiwat Phupisut	26,684,956	0.7%
Ms. Supitchaya Phupisut	26,540,006	0.7%
South East Life Insurance	22,185,800	0.6%
KKP Equity Retirement Mutual Fund	21,545,600	0.6%
Others	757,565,769	1 9.8 %
Total	3,825,000,000	100.0%





5-YEAR SUSTAINBILITY FRAMEWORK



