



Chairman of the Executive Committee and Group Chief Executive Officer WHA Corporation PCL.

11 September 2025

Speaker Biography

Ms. Jareeporn Jarukornsakul

Chairman of the Executive Committee and Group Chief Executive Officer, WHA Corporation PCL.



POSITION & COMPANY

- WHA Corporation PCL.
 - o Vice Chairman of The Board of Directors
 - o Chairman of the Executive Committee
 - o Group Chief Executive Officer
- WHA Industrial Development PCL.
 - o Chairman of The Board of Directors
 - o Chairman of the Executive Committee
- WHA Utilities and Power PCL.
 - o Chairman of The Board of Directors
 - o Chairman of the Executive Committee
 - o Chairman of the Risk Management Committee
 - o Nomination Remuneration Committee
- SCB X Public Company Limited
 - o Group Chairman Committee
 - o Executive Committee
 - o Director
 - o Member of the Nomination, Compensation and Corporate Governance
- The Siam Cement Public Company Limited
 - o Independent Director
 - o Member of the Governance and Nomination Committee

DEGREE OBTAINED

- · Bachelor of Public Health, Mahidol University
- Master of Business Administration (English Program), Bangkok University
- Honorary Ph.D. (Arts), Logistics & Supply Chain Management, Christian University
- Doctor of Philosophy Honoris Causa on Occupational Health and Safety, Mahidol University
- Honorable Ph. D., Business Management, Western University
- Honorary Doctorate Degree of Arts in Entrepreneurship, Bangkok University
- Honorary Degree of Doctor of Business Administration, Ramkhamhaeng University

AWARD

- Mahidol Thayakorn Award 2018 for the most outstanding Mahidol Alumni from Mahidol University Alumni Association under the Royal Patronage of His Majesty the King winners list
- Outstanding ASEAN Women Entrepreneurs 2018 Award Thailand TOP Company Awards 2017 (Warehouse Development Company) by the University of the Thai Chamber of Commerce and Business Plus Magazine
- Frost & Sullivan Thailand Excellence Award 2017 (Warehouse Development)
- Quality Persons of The Year 2016 (Section: The Property Developer), Foundation of The Scientific and Technological Council of Thailand (FSTT)
- Woman Entrepreneur of The Year 2016 by Asia Pacific Entrepreneurship Awards
- Thailand Corporate Excellence Awards 2015 by Thailand Management Association
- · Outstanding Alumni of Faculty of Public Health 2015 by Mahidol University
- Bangkok University Alumni Award 2020, hosted by the BU Alumni Association
- AMCHAM CSR Excellence Award 2022
- Eco Industrial Town Awards in Eco Champion Level at ECO Innovation Forum 2022
- Best Managed Company Thailand 2022 from Deloitte Thailand
- Thailand Top CEO of the Year 2022 Award from Business Plus magazine and the Faculty of Commerce and Accountancy, Thammasat University
- Commended Sustainability Awards at SET Sustainability Awards Ceremony 2022
- Distinguished Award in Corporate Management Excellence at Thailand Corporate Excellence Awards 2022
- IEEE PES Women in Power Award 2022
- Digital Entrepreneur of the Year at Prime Minister's Digital Awards 2022

TRAINING

- Subsidiary Governance Program, Thai Institute of Directors Association (IOD) (SCP6/2023)
- Role of Chairman Program, Thai Institute of Directors Association (IOD) (RCP46/2020)
- National Defense Course (NDC60), National Defense College
- Thailand Energy Academy (TEA9/2017)
- Corporate Governance for Capital Market Intermediaries, Thai Institute of Directors Association (IOD) (CGI17/2016)
- Director Certification Program, Thai Institute of Directors Association (IOD) (DCP210/2015)
- Senior Executives on Justice Administration Program, National Justice Academy, Office of Judiciary (BYS 20/2015)
- Executive Program, Capital Market Academy (CMA) (CMA18/2014)
- Director Accreditation Program, Thai Institute of Directors Association (IOD) (DAP 94/2012)



"Be market leader in aligning vertical integrated logistics facilities provider, total solution industrial estates, utilities, power, and digital infrastructure platforms with high quality capturing throughout value chain in Asia"

WHA Group: Empowering Growth, Embracing Challenges

Responding to Climate Change

Our AI Transformation

Appendix

WHA Group Vision

"ทุกที่ที่ดับบลิวเอชเอไป เราไปเพื่อ "สร้าง" ..."

สร้างความเจริญ สร้างอาชีพ สร้างรายได้

ให้กับสังคมเพื่อความเป็นอยู่ที่ดีขึ้น

สู่เป้าหมายสูงสุด

นั่นคือการพัฒนา เพื่อการเติบโตอย่างยั่งยืน"

WHA: WE SHAPE THE FUTURE



Our Purpose

WHA

"WHA: WE SHAPE THE FUTURE" reflects WHA Group's commitment to play a pivotal role in driving Thailand forward with economic efficiency and sustainability by creating career and income opportunity for people as well as a bringing better quality of life and enhancing human development; aligning with the Group's business direction to become "The Ultimate Solution for Sustainable Growth"



WHA: Unlocking Future Growth with Strong Business **Foundations & Outstanding Performance**

2024 Financial Performance



Normalized Revenue & Share of Profit

14,303

Million THB

1H2025 Operating Performance



Asset under Owned & Managed

3,163,552

(WHAID 829,486 SQM)

New Projects & Net Rent

123,237ⁿ

SQM

(WHAID 62,519 SQM)

(Contract Value : THB 2,153 mm)

Asset Monetization

32,524

SQM

Normalized Net Profit

4,526

Million THB

Normalized EBITDA Margin

58%

Net IBD/Equity

1.04

Times



Mobilix

372 Leased Vehicles/2

34 New Vehicle Leases/2

30 Chargers Installed

Total **Land Sales**

1,105

Ready built Factory and **Warehouse Under Owned & Managed**

829,486

Utilities Sales & Management Volume

80/3 Million M³

Secured PPA Equity MW

991 MW

Digital Transformation **Projects**

> Transformation **Projects**



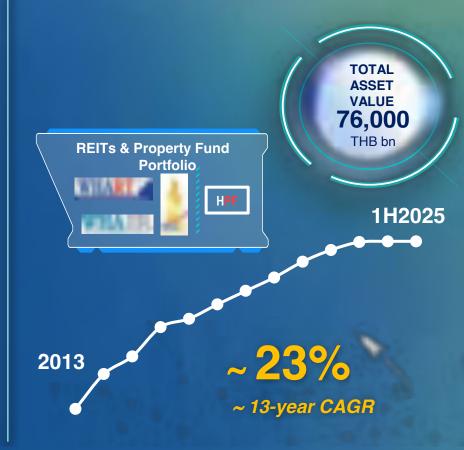
Our Sustainable Growth via the Capital Market



WHA's Net Profit and Cash Dividend from 2012 to 2024



Our REITs and Property fund surpassed 76 billion THB in value and continue expanding...



Source: Bloomberg

Global Megatrends and Opportunities

Leveraging Global Trends to Build Our Strategy and Create Growth



Trump's returning to White House with his "American First" policies and transactional diplomacy are expected to heighten the conflicts and uncertainties in global economy



GEOPOLITICAL TENSION

Global Decoupling
become more and more
imminent. Conflicts
among countries
significantly impact
international trade and
capital flows

TECH DOMINATION

A wave of new technologies such as Al and blockchain are transforming the way of doing businesses



SUSTAINABILITY & CLIMATE CHANGE

Consumption of resources constitutes a threat to the environment. Corporations increasingly demand for Green Businesses

Trump's Reciprocal Tariff

Reciprocal tariffs realigned: new rates signal rewards for cooperation, penalties for resistance

The Announcement on July 31, 2025



- President Trump has issued the further modifying reciprocal tariffs, to be effective on August 7, 2025, following months of negotiations and economic assessments.
- It confirms new or revised tariffs based on each country's treatment of U.S. exports, and lists exemptions or lower rates for countries that reached satisfactory trade agreements.

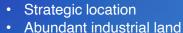
Countries	April 2	Latest Reciprocal Tariff
European Union	20%	0 - 15%
Mexico	10 - 25%	30%
Brazil	10%	50%
Canada	10 - 25%	35%
India	26%	50%
South Korea	25%	15%
Japan	24%	15%
Thailand	36%	19%
Vietnam	46%	20%
Indonesia	32%	19%
Malaysia	24%	19%

Transshipment Items

Product of any country determined by U.S. Customs and Border Protection to have been transshipped to evade applicable duties will be subject to **additional of 40% tariffs (over the applicable Harmonized Tariff)** plus (i) any other applicable fine or penalty and (ii) any other duties, fess, taxes or charges applicable to goods of the country of origin.

Thailand – Strategic Investment Destination





A S

Infrastructure

Connectivity

Integrated
 Transportation
 Infrastructure (deep-sea ports, highways, railways)

Established & Integrated Supply Chain

- Comprehensive supply chain of targeted industries
- Industrial clusters
- Green Supply Chair



Attractive Investment Incentives & Policies

- Neutral political situation
- Attractive Investment incentives
- Fast and Convenient Process (one-stop service)

Supportive government policy

Competitive Skilled Workforce

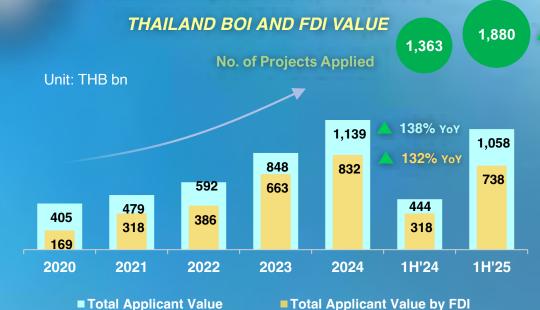
- Relevant skill sets
- Competitive cost
- · Technology capability

Reliable Utilities & Power including RE100

- Sufficient and reliable electricity and utility
- Green and sustainable energy
- Net Zero/Positive Water

The Board of Investment (BOI) reports 2024 investment in Thailand exceeding THB 1.1 tn, the highest in more than 10 years, highlighting Thailand's crucial role as a regional hub amidst geopolitical uncertainties

38%



TOP SOURCE OF FDI APPLICATION 1H'25

		Application Value (THB bn)	% Share of FDI total FDI
	Singapore	245	33%
100	Hong Kong	219	30%
1	China	102	14%

WHA Customers Feedback

WHA

Manufacturing bases remain unmoved as manufacturers adopt "wait and see" approach amid trade tensions

Survey on 17th April 2025

200 Manufacturers in Thailand & Vietnam

New / Target Customers (60 Surveys)

60% Wait and see how the situation develops investment plans in Thailand



Sectors: Data Center, Electronic Appliance, Consumer Products



50 Companies in Thailand and China

- ✓ No Plan to Move Out
- ✓ Still Confirm Investment

10 Companies in Vietnam

Survey in July 2025









China

Japan South Korea

Sectors: Electronics, Optical Component, Packaging, Garment, Automotive

WHA Group's Strategic Directions



Extend LEADERSHIP

Extend domestic leadership and drive regional growth with focus on Vietnam



Embrace TECHNOLOGY

Leveraging digital technologies to build new S-curve businesses



Highlight GREEN Commitment

Target to achieve net zero mission of Green House Gas by 2050



Power Up ORGANIZATION

Digital transformation and build high-performance organization

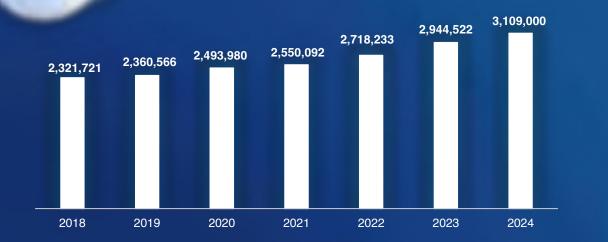


Sustained Performance in a Challenging Market

Customer by Industry

(Sqm)





Customer by Nationality



Logistics Properties Business

Land Sales in Thailand and Vietnam



Delivering Record-Breaking Results

WHA

Achieved consecutive all-time high profits, supported by the continuing trend of production relocations



NORMALIZED NET PROFIT (THB mm) ★ 3 Consecutive Years ★ Total Asset 101.541 2024 of All-Time High **Net IBD/Equity** 2024 2,590 4,046 4,420 4,526 **Maintained** Credit Rating 2023 2024 2021 2022

Remark *Net additional revenue if WHA IER performance were consolidated

Maintain Ambitious 2025 Target



New Projects and Net Rent

200,000^{/1} SQM (WHAID 80,000 SQM)

Asset Monetization

70,000

Mobilix

539 Leased Vehicles/2

53 *Chargers Installed



Total **Land Sales** 2,350



Utilities Sales & Management Volume

166 * Million M³

Secured PPA Equity MW

1,185 MW

Mobilix Platform

Official Launch

by early 4Q'25

Empower Group through Application Development Service

5 Projects







WOLWES

Maintain sufficiency by avoiding over-investment, minimizing fixed costs, and refraining from taking on additional debt

3 W.

พึ่งพา

Build strategic alliances based on mutual economic interdependence and foster a self-sustaining economic ecosystem

WOWU

Expand self-sustaining economic ecosystem by integrating business partners across the supply chain to co-create a resilient, interconnected network built on shared growth

Responding to Climate Change

WHA Group:
Empowering Growth,
Embracing Challenges

Our AI Transformation

Appendix

Global Climate Risks

World Economic Forum identifies environmental risks as top 3 global risks over the coming decade

Extreme Weather Events

Lives, ecosystems, and economies harmed by floods, wildfires, and heatwaves

>US\$ 2 trillion Cumulative

Losses on Global Economy for this ten-year period (2014 to 2023)

Storms cause the greatest economic losses, followed by floods



Natural Resource Shortages

Food and water insecurity from overuse, climate change, poor infrastructure and energy transition

- **8.2% of the global population** experienced hunger (2024)
- **2.2 billion people** live without access to safe drinking water (2024)

Biodiversity Loss and Ecosystem Collapse

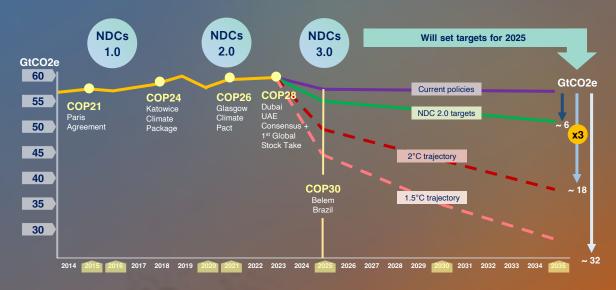
Species extinction and ecosystem damage with major human & economic impacts

>1/2 of the world's GDP or \$44 trillion in value

—comes from industries that rely on nature

Ambition in NDCs 3.0 could be at least 3x higher than present, putting the world on track for 2°C

History and projections of NDCs and Global GHG emissions



Escalating Floods and Droughts Risk

WHA

Climate change is intensifying floods and droughts, disrupting water availability and driving future increases in water demand



El Niño & La Niña: More Frequent and Extreme



Source: National Oceanic and Atmospheric Administration, Climate

- Increased rainfall and potential flooding in late 2024 and 2025, particularly in northeastern Thailand.
- Extended period of drought and higher temperatures caused by El Niño.
- Increased rainfall and potential flooding risks caused by La Niña.

Surging Water Demand in EEC



Source: Office of the National Water Resources

Estimate water usage demand over the next 20 years in ECC Area (2017-2037)

- 52% water demand increased in Rayong Province, mainly from industrial.
- 50% water demand increased in Chonburi Province, primarily from domestic consumption. population growth—from 4 million to 6 million people.

Thailand Water-Stressed Areas



- The image shows a standard tool used to analyze Water-Stressed Areas using Water Tools (Aqueduct).
- WHA industrial estates facing the extreme 8% High Water Stress, 92% High Water Stress as of 2024.

Escalating Flooding



Source: Thai Meteorological Department

The accumulated rainfall amount is mainly higher than normal in the central region, and partially in the northern and northeastern regions. *Normal value is the average rainfall amount within the period of the last 30 years

Racing Water Demand From Al and Data Centers Sector



- The data centers that power artificial intelligence consume immense amounts of water to cool hot servers.
- 100 MW data center uses approximately 4,164 m³/day of water use.

Climate Compliance is not the Expense, but Non-compliance is

Market Access

Risk

Competitive

Disadvantage

In the new economy, climate policy is outpacing the climate itself: regulatory readiness is the new competitive advantage



Impact on Thai Businesses

New

Investment

Required



United Nations Climate Change Conference (COP30)



- Thailand is set to significantly raise its greenhouse gas reduction targets.
- · Domestic policies will inevitably become stricter to align with these new targets.



- A critical summit where nations must submit new, more ambitious climate targets.
- The pressure from COP30 is the direct catalyst for Thailand's more aggressive NDC 3.0, accelerating the timeline for stricter domestic regulations.



Climate Change Act

- The first legislation granting the government full authority to implement mandatory climate measures.
- It lays the foundation for financial instruments like the upcoming Carbon Tax and Emissions Trading Scheme (ETS).





EU Deforestation Regulation (EUDR)

- A law requiring agricultural products (e.g., rubber, palm oil, wood, coffee) to be proven free from deforestationlinked land.
- Disrupts the entire supply chain. A failure in traceability means a complete ban on exports to the EU.



Carbon Tax

- A direct tax levied on the volume of greenhouse gas emissions.
- Under government consideration for implementation, starting with the energy and industrial sectors.
- An immediate increase in domestic operational costs.



Carbon Border Adjustment Mechanism (CBAM)

- A tax on carbon-intensive goods imported into the EU (e.g., steel, aluminum, cement, fertilizers).
- · A massive increase in export costs and the potential loss of competitiveness in the European market.



2024 Materiality Topics

Materiality Topics Year 2024

Governance/ Economic Dimension-

Corporate Governance & Ethics

Technology & Innovation

Social Dimension

Occupational Health & Safety

Community Development

Environment Dimension

Climate Strategy

Energy Management

Water Management

Waste Management

Waste Management : From Responsibility to Opportunity



Focus on our value chain's total impact, influencing our entire ecosystem beyond our own minimal operational waste.

Empowering Circular Economy Practices

Integrating a circular approach throughout all operational processes to reduce the use of natural resources.

Turn Challenge into Value Creation

Transform waste management from a challenge into a strategic new business opportunity, driving sustainable growth.

Our Net Zero Mission: WHA's Targets Aligned with

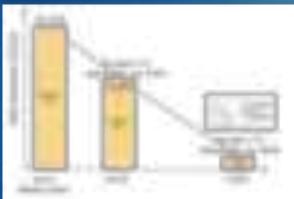
SBTi for Climate Action

WHA Mission

2050
NET ZERO
GREENHOUSE GAS EMISSIONS

WHA has adopted the SBTi framework to establish targets, aiming to reduce absolute GHG emissions in Scope 1 and 2 by 42% by 2030 and 90% by 2050 and reduce Scope 3 emissions intensity for investments by 74% by 2030 and 90% by 2050 from base year 2021.

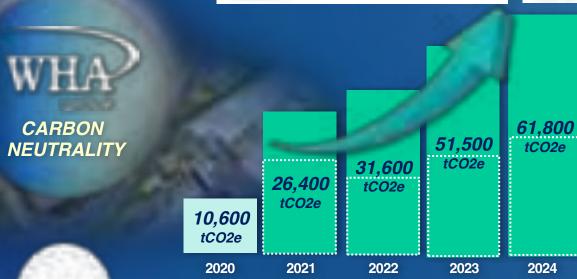
Reduce absolute emission scope 1 and 2 by 42% by 2030 and 90% by 2050

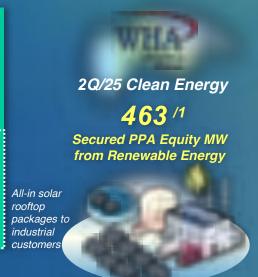


Reduce intensity emission of investment in power generation by 74% per kWh in 2030 and 90% by 2050









Remark: /1 including solar 441 MW, hydro 19 MW, and

waste to energy 3 MMW

Our Commitments Pathways

Our ambitious commitments aiming to accelerate the transition while create sustainable growth to all stakeholders



NET ZERO
COMMITMENTS

2030

42% Emission Reduction
Scope 1 and 2 from Base
Year 2021 per SBTi

2050

Net Zero
for Scope 1, 2 and 3



CIRCULARITY
COMMITMENTS

50% Green Procurement

100% Circularity



NATURE COMMITMENTS

70% Recirculated Wastewater

No Biodiversity Net Loss within Manageable Boundaries*

100% Recirculated Wastewater

Biodiversity Net Positive Impact

Our Climate Strategy

We introduced our climate strategy to proactively respond to the impacts of climate change

99

WASTE MANAGE,

Turning Green into Growth

GREEN ต้องกินได้ GREEN แล้วกินไม่ได้ ไม่มีใครทำ

เพราะธุรกิจอยู่รอดได้ต้องทั้งรักษ์โลกและสร้างรายได้ไปพร้อมกัน ใครปรับตัวได้ก่อน คือ ผู้นำในโลกใบใหม่ ที่กฎเกมเปลี่ยนทุกวัน



Adopt 3R approach to reduce waste and aiming for zero waste to landfill



Focus on sustainable water management practices, including water reclamation, aiming to reduce reliance on natural water resources

Offer Built-to-suit green mobility
ecosystem to accelerate the sustainable
transition of Thailand's logistics sector

Mitigation

CLIMATE CHANGE

Adaptation

GREEN CON

and increase the usage of renewable energy and EV in our operation

Apply energy saving solutions

Embed carbon reduction construction materials in the project development

Turning Green into Growth

Generating nearly 1 billion baht in 2024, projected to reach 1.5 billion baht in 2025 — with Continuous Rise



330 132

leased vehicle million baht

Renewable Energy

2029 Target

1,200 mw

Total
secured PPAs

2024

437_{mw} **493**Total secured PPAs million baht

7.6 303

Million m3 Water sales million bar & managed volume

Equivalent to water usage of

2024

215,071

Reclamation Water

2029 Target

24.25

Million m3 Water sales & managed volume

BUSINESS (2nd Life Battery, Recycled Solar PV)

CIRCULAR

Future Sustainable Business

EMISSION TRADING

and REDUCTION SERVICE

WASTE MANAGEMENT

CCUS

SMR

million baht

Nature Preservation Achievements (based on 2024 Performance)

2,800
Tons Co2 Equivalent

61,808
Tons Co2 Equivalent

Sustainable Business Investment Plan



ความยั่งยืน **ไม่ใช่ต้นทุน** แต่คือ **การลงทุน**

และอนาคตจะให้ผลตอบแทนกลับมา
ทั้งต้นทุนการดำเนินงานที่ลดลง
รวมทั้งโอกาสและรายได้ที่เพิ่มขึ้น
จากโมเดลธุรกิจใหม่
เพราะสุดท้ายแล้วการทำธรุกิจ
ต้องสามารถสร้างกำไรได้

MOBILIX
Built-to-Suit EV Ecosystem

The Ambition Forster Even Stronger Growth

Our strong growth in sustainable business transforms into larger impact of nature preservation



20,000 EVs No. of Accumulated Rented EV

11,000

million baht per year

37,000 million baht of Accumulated CAPEX Savings for Fleet Operators and Reduced Operational Costs through 2029/1

> 280,000 tCO2 per year

1,200 mw Total Secured PPAs

5,600 million baht per year

1,860 million baht of electricity cost per year

> 683,000 tCO2 per year

Reclamation Water

720 million baht per year

24.25

Million m3 Water Sales & Managed Volume

1,840 million baht of Total CAPEX Savings for Reclamation Water Plant Investment

Million m3 of Natural Water **Equivalent to Water Consumption of**

685,000 people

2029 Target

Revenue

Saving to Customer

Nature Preservation

Green Mobility: MOBILIX Ecosystem

Sustainability in Action Enabling Green Mobility Through an Integrated Ecosystem



EV Fleet Provision & Maintenance

- EV Fleet Rental
- After sale Service O&M

Renewable Energy Solution Provider/ **Private PPA**

- Solar Rooftop
- Small Power Producers (SPP)
- Peer-to-Peer Energy Trading

E Roaming/ Charging Aggregator

MOBILIX Software Solution

- ✓ Route Optimizer
- √ Fleet Management
- ✓ Charging Driver App
- ✓ Predictive Charging & Maintenance
- ✓ Roaming Platform ✓ Battery Intelligence Management

Charging **Business**

- **EV Public Charging Station**
- EV Charger on Premise



- Charger
- Battery Storage
- Energy Storage System

Charge Point Operating Service



Mobility As A Service

EV Control Tower Solutions

Green Mobility: "Current Situation of Thailand's Logistics" VS "Market Opportunity"

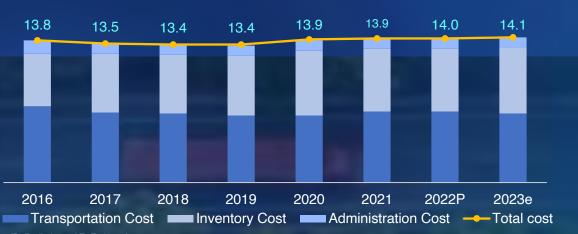
Global Logistic Cost to GDP* (%)

Thailand's Commercial Vehicle Sector – Market Opportunity for Logistics Transformation

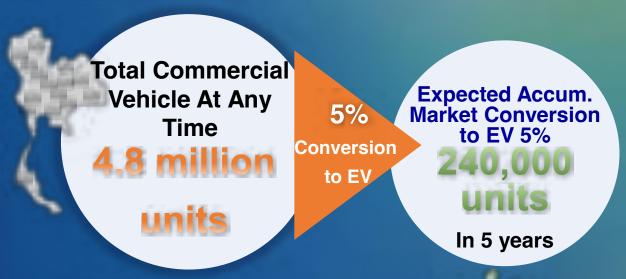


Note 2022-2023 data from Thailand's Logistics Report 2022, LPI Global Ranking, NEXDIGM, Armstrong & Associates (2023

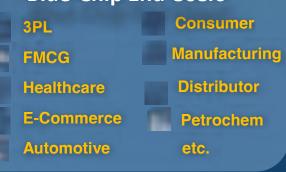
Thailand Historical Logistics Cost to GDP (%)



Market Conversion to EV









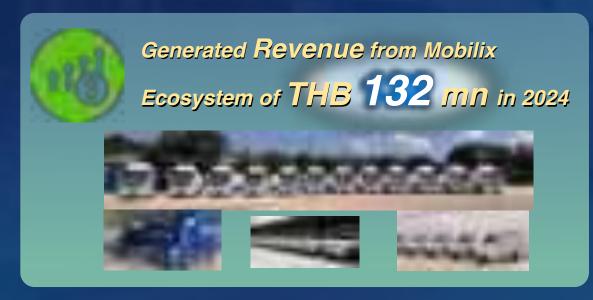
(P: Preliminary / E: Estimate)

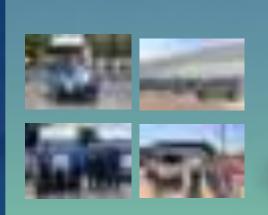
Sources: Thailand's Logistics Report 2022, LPI Global Ranking 2023 (World bank)

Green Mobility: Driving Real Change for a Greener and Fairer Future of Thailand's Logistics









Enhancing Accessibility

Delivered Substantial CAPEX Savings of over

THE 600 mm for Fleet Operators

Green Mobility: Driving Green, Driving Circular

Driving Sustainable Transport, Smarter Energy, Cleaner Future

Green Transport



ZERO Direct Pollution

- Zero GHG Direct Emission from 2,800 Ton Co2e/Year to 280,000 Ton Co2e/Year*
- Zero Noise Pollution
- Zero NOX Emission
- Zero PM2.5

Second-Life Battery



Enhance Second-Life Battery Industry

- Repurposing EV Battery to BESS
- Recycling Battery
- · Reduce E- Waste
- Enhance Renewable Energy & Grid Stability

Circular Economy



Smart Rental Model

- Avoid New Vehicle Purchases for Users
- Maximize Asset Utilization
- Reduce End-of-Life Waste

Decarbonization Solutions: Solar on Our Operations

Expansion of Renewable Energy Consumption Capacity for WHA's Operations



2024

Installed Capacity

1.2 MW **Cost Saving** 3.9 mn THB / Year

2025 Target

Installed Capacity

1.6 MW **Cost Saving** 6.2 mn THB / Year





Decarbonization Solutions: Solar Portfolio Expansion



Enabling Our Customers with Clean Energy

Provides a comprehensive solar rooftop service package for customers in Thailand, covering everything from permitting, design, and engineering to construction, installation, and ongoing operation and maintenance throughout the contract duration.





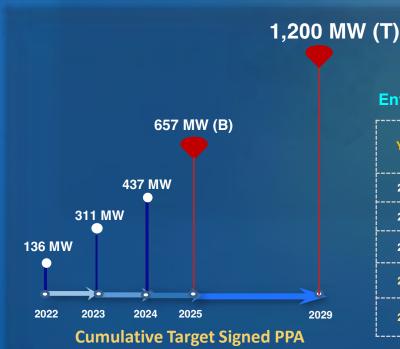
Prinx Chengshan (Phase 2) Rayong Capacity 3.0 MW APM Agro Ratchaburi Capacity 4.4 MW



P

Commit to a long-term goal of delivering renewable energy

with a cumulative target of signing power purchase agreements for 657 MW by 2025 and 1,200 MW by 2029, **contributing to CO2e GHG emissions**



Environmental Savings

Year	GHG Emission Offset from Grid Electricity Consumption Per year
2022	31,600 tCO2e
2023	51,500 tCO2e
2024	61,808 tCO2e
2025	160,000 tCO2e
2029	683,000 tCO2e

With 1,200 MW PPAs of renewable energy fully operated there will be;



Revenue generation of **5**,600 MB per year



Customer savings on electricity costs of 1,860 MB per year

Decarbonization Solutions: Energy Management

Reduce Energy Intensity, Enhance Energy Efficiency and Leverage our Expertise to Expand Energy Saving Solutions to our Customers





Decarbonization Solutions: Green Mobility and Technology

Adoption of Green Mobility and Technology in WHA Operations to Reduce Carbon Emission

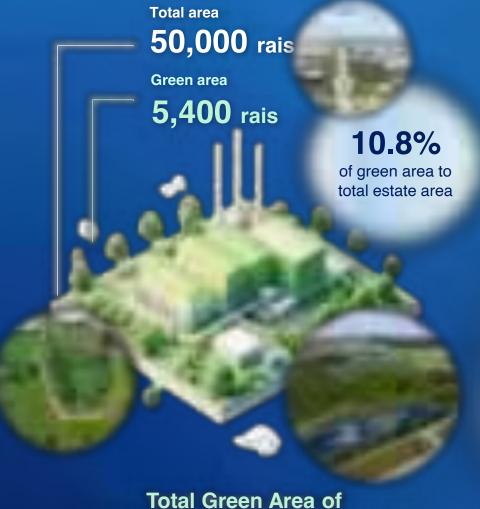
Transforming from ICE to EV 2025 Target **Understudy Electric Water Truck EV Adoption EV Fleet** (Operation and Office) (% of Total Internal Fleet) 33% 43 Vehicles **Electric Excavator Expand EV adoption to Supplier/Contractor**

Reduction of Car Fuel Consumption



Decarbonization Solutions: Forestation

Continuous driving Forestation Activities in Collaboration with Surrounding Stakeholders



Total Green Area of

15 WHA Industrial Estates
In Thailand



Collaboration with Mae Fah Luang : >200 Rais

Embracing the principles of biodiversity and regenerative agriculture by developing green areas, starting with 3 industrial estates—ESIE2, ESIE3, and WHA RY36—and will gradually expand to others, with the ultimate goal of transforming them into Other Effective Conservation Measures (OECMs)



Decarbonization Solutions: CO2 ZERO



We are Decarbonization Enabler, developing tools for our stakeholders to know their Carbon Emission Baseline as an important starting point on their Net Zero Pathways

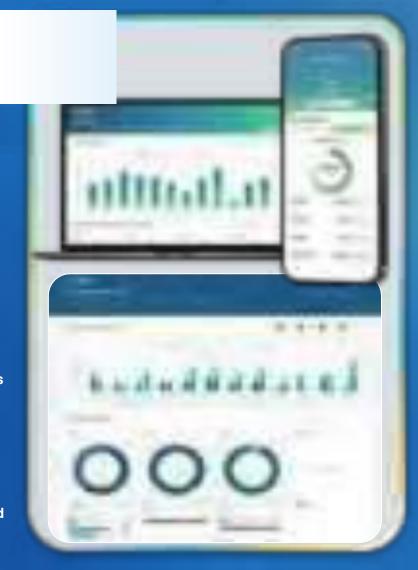
CO2ZERO

Corporate Carbon Accounting Platform

HIGHLIGHT FEATURES

- ✓ Real-Time Monitoring & Analytics Visualize your organization's carbon emissions data with an interactive dashboard that provides real-time insights for better decision-making.
- Automated Emission Calculations Automatically calculate greenhouse gas emissions with support for customizable emission factors to match your specific operations.
- ✓ Enterprise-Level Structure Management

 Manage data across all organizational levels-corporate,
 subsidiaries, and site locations. Customize activity categories
 and set your own emission factors.
- Verified Reporting
 Generate standardized reports ready for third-party verification and certification.
- Seamless Data Integration
 Support automated carbon footprint data import for enhanced accuracy and efficiency.



Enabling our stakeholders with exclusive carbon management tools to simplify carbon accounting and drive effective action

- Full access to CO2 ZERO with no-cost
- Centralize all emissions data in one secure, easy-to-use platform
- Automate calculations to save time and reduce errors
- Identify carbon "hotspots" in operations to find key areas for business opportunity and cost savings



Green Construction

Aiming to reduce embodied and operational carbon throughout the entire process, from design and material

selection to construction

WHA LOGISTICS' PROJECTS

Our Green Construction Principles

Prioritize Lowcarbon and Recycled Materials

and locally sourced options to reduce the use of raw and manufactured materials

Focus waste treatment

on reuse, repair, remanufacturing, and recovery over landfill/incineration

Design for Flexibility, Durability, and Efficiency

Use adaptable layouts and durable materials to extend building life and reduce energy and water usage

LEED STANDARD

WHA Mega Logistics Center Theparak KM.21 Building B received LEED v4.1 BD+C

Energy

Efficient design with insulation, smart systems & solar panels Reduce 140,000 kg of GHG emission per year

Water

Water-efficient fixtures reduce indoor use by over 50% Saving 358,000 liters per year

Air Quality

Better ventilation, filtration, and low-emission materials support healthier indoor spaces

Sustainable Site

Shading and reflective materials reduce heat, while smart lighting minimizes light pollution

Materials

Recycling systems and recycled materials promote a circular economy

Total floor area of

27,212 m²

PRECAST

Offer a cost-effective construction alternative by reducing

- ✓ Reducing on-site construction time
- ✓ Minimizing waste generated during the building process

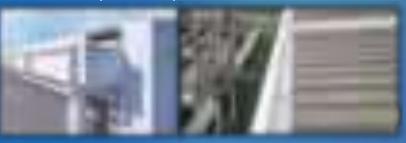
In 2024

In 2024, WHA Group used precast across 135,570 m² of construction, reducing waste by 208 tons (2% less than traditional methods)

Construction over 135,570 m²

UPVC ROOF GUTTER

- ✓ Lower-carbon material compared to traditional material
- ✓ Durable lifespan and requires minimal maintenance



Green Construction

Aiming to reduce embodied and operational carbon throughout the entire process, from design and material

selection to construction

Lifts

Passenger 8 Lifts Car Park 2 Lifts Service & Fireman 1 Lift

Passenger Lift System

Destination Control

Air condition

Central Chilled Water System

Ceiling Height 2.90 Meters

WHA Tower

Floor to Floor Height

4.20 Meters

Wall

Non-hazardous pain

Window

Mirror-Triple Glass with 70% of Sun Protection

Lighting

LED Panel 50% Energy Saving

Fire Protection System

Fully Equipped

WHA INDUSTRIAL ESTATES' PROJECTS

Hydraulic Cement

CO2 emission per a ton of production

Cement 1 tons of CO₂

Hydraulic

0.7 ton of CO₂

100% completed

WHA IER ph. 2 ESIE3 ph.3(3.1) RY36 ph.2

To be developed at WHAESIE2.1 WHAESIE4 Ph.3 WHAESIE5

(Glass-Fiber Reinforced Polymer) replacing steel work

CO2 emission per a ton of production

Steel

GFRP

0.18 ton of CO₂









Water Conservation: Clean Water for Planet

We embrace a sustainable water management concept that spans the entire lifecycle—from sourcing, production, operations, wastewater treatment to end-of-life management



Smart Operations & Maintenances

Use data and AI to optimize operations and improve efficiency





SCADA & UOC GIS/Hydraulic Map RO Performance





Water Management

Smart Natural

Wastewater Treatment

- ✓ Wastewater Collection
- ✓ Wastewater Treatment



- ✓ Third Party Supplier
- ✓ On-site reservoirs as natural water reserve





End-of-life Management

Water Production

Offer wide range of water from standard options to value-added solutions

- ✓ Industrial Water
- √ Value added water (Clarified, RO, Demineralized)
- ✓ Reclaimed Water

Incorporate circular concept in water production

- ✓ Integrating solar energy and micro turbine to the production
- ✓ Incorporate green construction material & minimize waste



Recycle cartridges into construction materials and are currently studying the potential for second-life applications of RO membranes



Reuse sand media from water treatment plants

Reuse treated wastewater for cleaning and landscaping as construction material



Water Conservation: Reclaimed Water



Water Reclamation

Convert wastewater into an alternative value-added water products (e.g. Demineralized water, RO water)





- Reduce water discharge to environment
- > Reduce water extraction from natural sources
- Reduce conflicts between the community and industry on the allocation of water resources
- Reduce government budget in the development of water storage and delivery
- > Offer comprehensive utility service with a wide range of products

2023 Outcome 2024 Outcome 2029 Target

Reduce the usage of water from nature

7,461,450

Save cost on raw water by THB 86 Million / Year

Reduce the usage of water from nature

7,849,316

m³ / Year

Save cost on raw water by THB 91 Million / Year

Reduce the usage of water from nature

25,000,000

m³ / Year

Save cost on raw water by THB 290 Million / Year

Equivalent to water usage of

204,000

People

Equivalent to water usage of

215,000

People

Equivalent to water usage of

685,000
People

Water Conservation: Floods and Droughts Mitigation and Adaptation



Planning a Proactive Strategy for Climate Resilience

Strategic Location Selection



- Selected areas with low risk of natural disasters or no reported history of disasters for project development.
- Majority of WHA Group's projects are located in Bangna-Trad or Eastern Economic Corridor (EEC) region, which has a low risk of natural disasters.

Extreme Weather Resilient Design



- Upgrade water infrastructure such as water drainage, retention pond and building structure to be storm and earthquake resistance.
- Design and build flood prevention systems tailored to each project, including reservoirs, retention ponds, and drainage pits, while ensuring natural watercourses and nearby communities are not affected.

Continuous Expansion of Water Reservoirs and Storage Ponds



- On-site and off-site water storage ensures a reliable reserve supply.
- Mitigates water shortage risks and ensures operational continuity for our customers.
- Reduces dependence on external sources for greater self-sufficiency.



Reservoir near WHA Rayong 36 Industrial Estate
 132,985 m³ of water storage capacity.



Reservoir in WHA SIL Industrial Estate

800,271 m³ of water storage capacity.



Reservoir in ESIE Industrial Estate

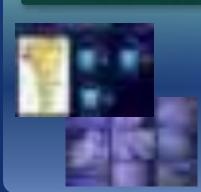
530,000 m³ of water storage capacity.

Water Conservation: Floods and Droughts Mitigation and Adaptation



Building Resilience Through Advanced Water Management

SCADA & UOC: Proactive Water Level Monitoring



- · Real-time SCADA & Rainfall Monitoring:
 - Integrated systems for precise pump control and rainfall data via UOC.
- Preventative Flood Control:
 - Proactive management to mitigate flooding in high-risk areas.
- Enhanced Estate Safety:
 Ensuring zero flooding incidents across all industrial estates.

Smart Water Solutions

Smart Natural Water Management: Water Resource Monitoring



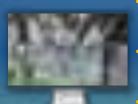
- · Intelligent Sensors:
 - Real-time monitoring of reservoir inflow and outflow for dynamic insights.
- Maximized Water Usage Efficiency:
 Managing water resources efficiently to meet current and future needs precisely.
- Risk Mitigation:
 - Preventing shortages and flooding to safeguard communities.

RO Performance Forecasting: Leaks and Water Loss Detection



- Predictive RO Maintenance:
- Al monitors and predicts membrane fouling, cutting maintenance costs by up to 20%
- Advanced Leak Detection:
- EPANET software detects leakages and monitors pipelines to minimize water loss.

GIS & Hydraulic Mapping: Water Management Efficiency



- Accurate Usage Tracking:
- Tracks water usage behavior and improves data accuracy.
- Efficiency & Loss Reduction:
 - Increases water management efficiency and reduces system losses.
- Sustainable Planning:
- Enables robust long-term water resource planning and management.

Water Conservation: Sustainable Water Ecosystem

Clean Water for Planet Campaign is dedicated to apply our expertise to enhance community's Well-Being by expanding access to clean water and promoting knowledge sharing, creating a sustainable path for the future of our planet



WHA Wetland Water Treatment Facility (WHA ESIE1)



2,555,000 m³ of wastewater treatment capacity per year.

Improve and enhance the quality of local water sources, providing reserve water for communities.

Expanded tree planting initiatives with local communities to increase oxygen levels in the air and reduce CO2 emissions.



WHA Clean Water For Planet For Communities

- WHA constructed Wetland for wastewater treatment, considered a natural technology and easy to maintain that is eco-friendly to various communities to improve the quality of canal water.
- In 2022, wetland projects were delivered to the Pluak Daeng Sub-district Administrative Organization in Rayong Province and Wang Tanot, Nong Khla Subdistrict in Chantaburi Province and WHA provided training on wastewater management and treatment. After the training period, the staff will be able to effectively manage wastewater systems in a sustainable way.

Pluak Daeng Constructed Wetland Project



146,000 m³ of wastewater treatment capacity per year.

480 households

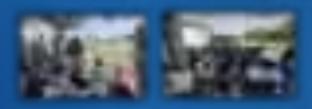
Wang Tanod, Nong Khla Constructed Wetland Project



292,000 m³ of wastewater treatment capacity per year

2,000 households

WHA Clean Water for Planet Knowledge Sharing



Site visit and observed WHA Group's expertise in wastewater treatment at the constructed wetland project.

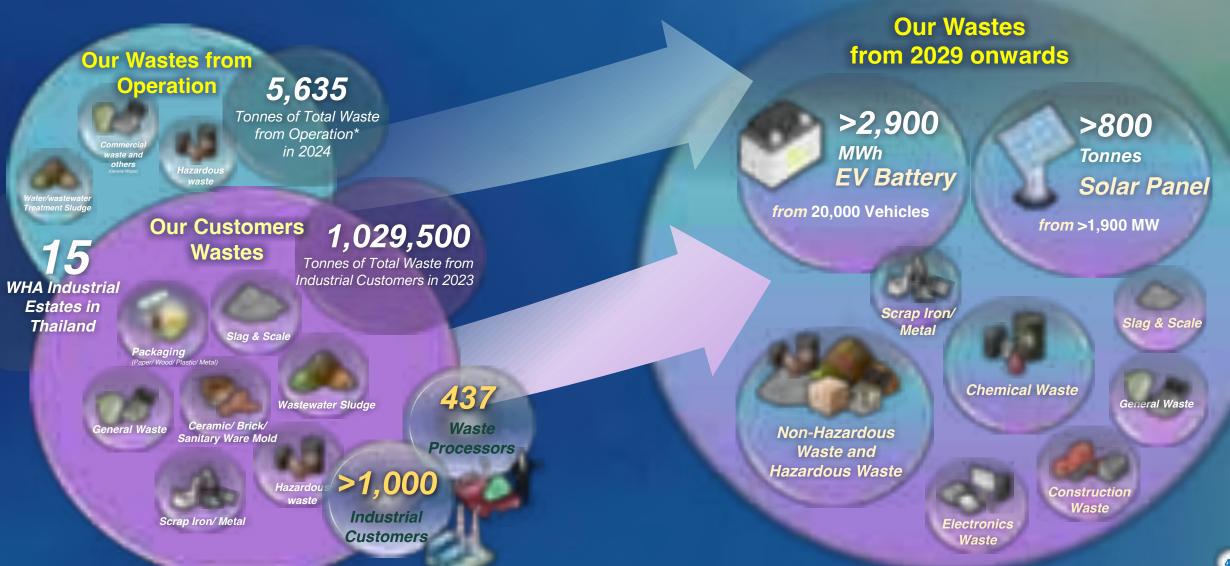


Environmental Detectives Project

882 Students across 8 schools in 2024 around the industrial estate were trained about the importance of water and water resource conservation.

Waste Management: Waste Market Opportunities

Turning Future Waste Challenges into Growth Opportunities



Waste Management: Strategy and Target



Waste

Waste

Strategy

Target

BEGIN WITH THE END IN MIND

Embed circular economy from design, raw material sourcing to end-of-life management process to minimize waste, reduce unnecessary process and resource utilization



HIERARCHIZE WASTE TREATMENT

Prioritize waste treatment options from Reduce, Reuse/Repair, Remanufacture/Upcycling, Material Recovery (Recycle), to limit landfilling and incineration (including with energy recovery).

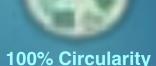


SCALE UP AND FOSTER CONNECTIVITY

Positioning ourself as Circularity Enabler, driving comprehensive stakeholders (e.g. customers, suppliers, community) involvement to foster a circular economy throughout the value chain.



Zero Waste to Landfill



(By 2050)



LEAD TO CREATE THE SUSTAINABLE ECOSYSTEM

Study and develop waste-related new business models with strategic partners to solve ourself and customers' challenging waste management situation and promote circular economy practice to customers and stakeholders in our ecosystem

- ❖ Waste Complexes (100% Circular Industrial Estates)
- * Recycled EV Batteries
- Second Life Battery (Repropose)
- * Recycled Solvents



Launch New Business Model (in 2026)

Waste Reduction by 3R: Construction Waste

RECYCLE CONSTRUCTION CONCRETE to PAVING BLOCKS

CONSTRUCTION (FLOOR) PAVING BLOCK MOLDING Curing time 14 days 191 tons Reduction of residual concrete*

5,500 blocks of Recycled Paving Blocks*

FINISHED PRODUCT

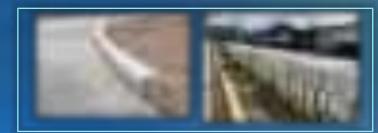


RECYCLE CARTRIDGE FILTER to ROAD CURBS





2,033 number of Recycled Road Curbs**19.4 tons for Concrete Reduction**



Waste Reduction by 3R – Operation Waste

REDUCE PLASTIC WASTE



68,940 bottles*
Reduction of accumulated plastic bottled drinking water

REDUCE PAPER



Path to Paperless

- AP Process Transformation leveraging digital workflow to reduce paper consumption
- 2) ISO digitization transforming to paperless operational process

Target in 2026 20% Reduction in paper consumption

REDUCE E-WASTE



IT Asset Lifespan Extension

 Maximize Computer/Notebook/ Workstation lifespan to reduce e-Waste and embrace sustainability leadership

Target in 2026 10% Reduction in E-Waste

REDUCE WASTE TO LANDFILL



CCE has incinerated

120,913 tons waste in 2024

CCE has generated **54,823**MWh to the PEA in 2024

CCE has saved around **36,000** tCO2e in 2024

Sustainable electricity for around **30,457** homes in 2024



REDUCE CHEMICAL & MEMBRANE USAGE



Initiatives

- Use monitoring dashboard and AI to optimize energy and chemical usage
- Prolong RO membranes by prevent over dosage of FRC

Target in 2025

10% Reduction in Chemical Consumption

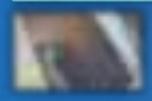
Reuse SAND FILTER to CONSTRUCTION MATERIAL



0.7 tons

Reuse sand media from water treatment plants during 2024 - May 2025

RECYCLE SLUDGE to SOIL NUTRIENT



4,645 tons*
Reduction of sludge waste from water treatment operation

Note *2024 performance

Waste Reduction by 3R: Our Customers' Waste

WeCYCLE is an upcycling and recycling project aimed at effectively utilizing resources such as used plastic bottles, used paper, and used cooking oil. This initiative is part of the WHA Circular Economy concept and strives to achieve Net Zero Emissions by 2050



Timeline: During 2024 - June 2025



Our AI Transformation

WHA Group:
Empowering Growth,
Embracing Challenges

Responding to Climate Change

Appendix

Why AI, Why Now?



Al is no longer a choice – it's a competitive necessity



The business world is shifting from being data-driven to being Al-driven

All is **not just about technology** — it's about building **new capabilities** for the organization

If you don't start today, you **risk being left behind**

"You won't be replaced by AI, but by someone using AI."

22-Year Achievements



2006

2007

2010

2012

2013

2014

2015

2016

FIRST STEP

WHA Alliance is established in Feb 2003, pioneering Builtto-suit concept of modern warehouse and distribution centers

WHA'S FIRST & LARGEST BUILT-TO-SUIT DISTRIBUTION CENTERS IN SEA

Warehouse Asia Alliance partners with GLOMAC from Malaysia, launched the first Built-to-suit customer goods distribution center, biggest in Southeast Asia

ESTABLISHMENT OF WHA CORPORATION

WHA Corporation is established with a registered capital of THB 170 mm, developing high-quality warehouses, distribution centers and factories

FIRST ASSET MONETIZATION

WHAPF IPO, consists of two warehouses and one factory, with a combined space of 40,000 sqm.

WHA IPO

WHA Corporation is listed on the SET, raising its invested capital to THB 1,709 mm

EXPANSION TO POWER

WHA Corporation and Gunkul Engineering PCL form a joint venture to invest in solar project

NEW OPPORTUNITIES

WHART IPO, including 11 premium warehouse buildings with a total area of 167,107 sgm.

A BIG LEAP FORWARD

- Acquisition of a 92.88% shareholding equity of Hemaraj
- WHABT IPO, as the first office REIT in Thailand, with a fund size of THB 2,389 mm

HE PATH TO

- WHA Group creates 4 business hubs: Logistics, Industrial Development, Utilities & Power and Digital platform
- HREIT IPO

Embrace Innovation and Technology

2017

2018

2019

2020

2021

2022

2023

2024

2025

NEW ERA FOR WHA

- WHA Utilities and Power Plc. is listed in SET
- WHA group develops its first industrial zone in Nghe An Province, Vietnam

SPREADING WINGS

- WHA ID and IRPC sign shareholders agreement to Develop "WHA Industrial Estate Rayong" in EEC
- WHA Hemaraj Nghe An JSC celebrates groundbreaking ceremony for WHA Industrial Zone – Nghe An Phase 1

THE YEAR OF EXPONENTIAL GROWTH

- WHA Logistics jointly invests with Alibaba, granting 232 rais in Chachoengsao for an ecommerce special economic zone
- Chonburi Clean Energy (CCE), a joint venture company has signed the PPA with PEA for a contracted capacity of 6.90 MW with a contractual term of 20 years

THE YEAR OF TRANSFORMATION

- Establishes a footprint in Vietnam - WHA Industrial Zone 1 – Nghe An
- Undertakes digital innovation and transformation journey: Platform-aboveinfrastructure

MOVING FUTURE FORWARD

- New Mega Logistics
 Projects at Theparak
 with building area
 ~400.000 sam.
- Launch plan for the 2nd Industrial Estate in Vietnam in Thanh Hoa Province, Vietnam
- Speed up digital innovation and transformation journey along with ongoing change management

INNOVATIVE WORKPLACE

 Enhance the innovativedriven culture, workplace and workforce to create new revenue streams, innovative products and services to serve customer's demand, to strengthen the company's competitiveness

DATA-DRIVEN ORGANIZATION

- Turn data assets into competitive advantage.
 The whole organization drives all aspects with data insights
- Secured a historical deal with one of the largest EV car manufacturers
- Listed as "Industry Mover" in S&P Global Yearbook and received SET Awards for 3consecutive years

TURNING TO TECH COMPANY

- Instill Digital-Ready culture
- Optimizing practices with Al and Data Insights to lead in the dynamic business landscape, ensuring sustained superiority
- Enhance productivity & efficiency lead to better decision making by using Al&ML

TECH-DRIVEN ORGANIZATION

- Leverage and scale the adopted technologies and digital platforms to accelerate digital transformation, achieve maximum efficiency and costeffectiveness
- Make use of new advanced technology as a core driver of operational tasks, business model, innovation strategy and customer experience to fuel exponential growth



2021-2024 Digital Transformation Projects





Projects

Total Investment 274

THB Million (2021-2024)Total R&D Expenses

50 **Applications**

and Investment (2021-2024)

of Normalized **Net Profit**

Enhance & Improve

Productivity Efficiency

UOC "Unified Operation Center"

Cost

Reduction

Real-time & Centralized **Monitoring**

Solar Monitoring and Predictive O&M

Cyber Security



Realtime CCTV on Map



Smart Traffic Management



Contract Management



Corporate Project Management



Enterprise Data Warehouse



Corporate Procurement Management



ogistics and Building Management



Smart Water Solution

Data Management Platform



Enterprise Asset Management (EAM)

WHA's Strategic Shift to a Tech-Driven Organization

TECHDRIVEN
ORGANIZATION

AI TRANSFORMATION

Computer Vision
AI/ML Data Insights
AI Cybersecurity

Digital Transformation

Utilize digital
technology to reach
new levels of
operations reliability
and efficiency to
empower core business
and lead to superiority
over industrial
competitors

Innovative Workplace

Build Innovation
Culture, Workplace
and Workforce to
create new revenue
streams, innovative
products making WHA
superior to competitors.

Data Driven Organization

Turn data asset into a competitive advantage with a data insights through:

- Manage digital assets
- Innovate with data
- Data monetization

2023

TURNED TO TECH COMPANY



SMART ENERGY MONITORING

2025

SMART SERVICES



DIGITAL TWINS

SMART MOBILITY



UNIFIED OPERATION CENTER (UOC)



KEY MILESTONES









WHA Digital Transformation 2025 x Al Vision



People



Digital Employee Experience and Personalized Digital Learning

WHA **TECH-DRIVEN ORGANIZATION**

Emerging Tech



Leverage and Explore Al and Advanced **Technology**

Data-Driven



2025

Lean & Optimized



Lean-Improvement and Optimization, and System Consolidation

Integration and **Automation**



Deployment of

Cybersecurity



Enterprise Risk Management

Al Transformation Projects

Execute a Holistic Al Strategy by Leveraging Technologies to Drive Operational Excellence while Embedding Al Literacy and Governance across the Organization within a Budget of 10 million Baht

AI & ML

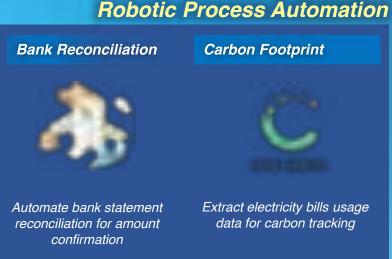
Data Analytics & Business Support

Culture & Literacy





Robotic Process Automation





Revolutionizing Roof Inspections with Al x Drones

WHA

Leverage on drone technology to inspect roofs for defects, while Al and machine learning analyze the imagery to classify defect type and level of damage

Smart Operation & Maintenance

- Solving the inefficiencies in the current manual roof inspection process of warehouse
- Aiming to deliver a superior drone inspection service at lower costs
- Improving overall operational efficiency and customer satisfaction





AI - Roof Inspection

- Al-Powered Image Processing

 Turning Drone Data into

 Actionable Insights
- Automated Defect Detection & Classification – Spot Issues Before They Escalate
- Prescriptive Analytics Al Recommends the Best Repair Strategies

Enhance Roof Inspection Capacity

150,000 sqm/year Current



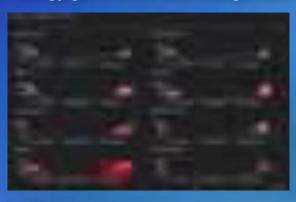


Al for Sustainability



Solar Anomaly Detection

Al solutions are transforming solar energy generation and management



- ✓ Early Anomaly Detection
- ✓ Optimized Energy Output
- ✓ Proactive Maintenance
- ✓ Data-Driven Decisions

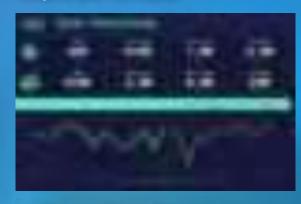
Realized Benefits

99%
Plant Availability
Improvement

5%
Maintenance
Cost Reduction

Solar Forecasting

Al analyzes solar data to enhance energy output and cut costs



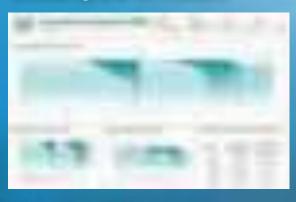
- ✓ Provides Energy Forecast
- ✓ Enhance Site Management
- ✓ Reduces Operation Costs
- ✓ Data-Driven Decisions

Realized Benefits

48 >3-5%
hours/year Downtime (from 72 - 96 hrs/years)
Revenue Increase (by scheduling panel cleaning on low-generation days)

RO Performance Forecasting

Using Analytics for Water Quality Monitoring and Surveillance



- ✓ Maintenance Cost Saving
- ✓ Improve Water Quality Control
- ✓ Operational Risk Mitigation

Expected Benefits

26%
Reduction in
Chemical Costs
per year

17%

Extension of Membrane Lifespan per year 50%

Savings on RO Membrane Replacement Costs per year

Engaging Stakeholders with WHA's Commitments to a Sustainable Future for All

> 210,000 People's annual water usage

has been offset through our water reclamation initiative, significantly reducing reliance on natural water sources

>350,000 Students have benefited

from education campaigns over the past 27 years

WHA Scholarship Program WHA Full Board Scholarship

28 Companies in industrial estates are participating in program

CUSTOMERS

>800,000

COMMUNITIES

WHA

PROGRESS

Stakeholders have benefited from our efforts

SHAREHOLDERS

WELL-BEING

> 200,000 Employments

Generated from our industrial development, driving sustainable growth for Thailand

> 10,500 people in local communities have received influenza vaccines from WHA over the past 10 years.

> >500 Suppliers participated WHA Supplier Day

- Communication of strategic directions and business guidelines
- Align suppliers' sustainability practices focusing on responsibility in environmental, social, and governance aspects

EMPLOYEES

ACCESSIBILIT

> 50,000 Shareholders

>850 Personnels

SUPPLIERS

or 100% of our employees have received training on sustainability





Empowering Growth, Embracing Challenges

WHA Sustainability Mapped with 17 Sustainability **Development Goals (SDGs)**

#16 PEACE & JUSTICE STRONG INSTITUTIONS

- Code of Conducts
- · Supply Chain Management
- 5-star CGR Rating
- · Risk and Crisis Management
- Outstanding AGM Scoring• Data Security Management

#17 PARTNERSHIPS TO ACHIEVE THE GOAL

- · Clean Water for Planet
- Clean Water for Planet Learning Center
- Water Hyacinth Project

#1 NO POVERTY

- WHA E-job Market
- Pan Gan Project
- Water Hyacinth Project

#2 ZERO HUNGER

- WHA E-job Market
- · Pan Gan Project
- Water Hyacinth Project

#3 GOOD HEALTH & WELL-BEING

- Digital Health Tech Mobile Medical
- Zero Incident Goal
- Smart Traffic

#4 QUALITY EDUCATION

- Art Camp for Students
- Scholarships
- Teacher Fellowship Program
- University Contribution Program

#5 GENDER EQUALITY

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

#6 CLEAN WATER & SANITATION

- Water Reclamation
- Water Hyacinth • Demineralized Reclaimed Project
- Water
- Wet Land & Learning Center
- Wastewater Treatment
- Clean Water for Planet
- Turquoise Project

- Enhance Employees Engagement Innovative Workplace and Satisfactions
- People Development
- Organization &
- **Culture Development**

#7 AFFORDABLE & CLEAN ENERGY

- P2P Energy Trading
 Green Logistics
- Solar Power Projects
 Turquoise Project
- Battery Energy Storage System

#15 LIFE ON LAND · Biodiversity Policy And

- Commitment
- · Tree Planting Project

#13 CLIMATE ACTION

- P2P Energy Trading
- Solar power projects
- Battery Energy Storage System
- Green Logistics
- Turquoise Project

#12 RESPONSIBLE CONSUMPTION & PRODUCTION

- WHA Circular
- Sludge to Soil Nutrient

Energy

Reduction

Program

 Net Zero WHA Circular

- Waste to energy
- WeCycle
- Plastic reduction
- Water Hyacinth Project

#9 INDUSTRY. INNOVATION AND INFRASTRUCTURE

- Demineralized Reclaimed Water
 Corporate Document
- SCADA
- Smart Metering
- Turquoise Project
- P2P Energy Trading
- WHA Circular
- Unified Operations Center (UOC) E-logistics Startup
- Vehicle Management System (VMS)
- Green Logistics
- WHAbit
- TusPark WHA
- Digital Transformation Program

- Management System (CDMS)
- WHA Innovation
- Bootcamp Meta W
- Enterprise ESG Platform
- Customer Journey-Value-Experience
- Customer Insight with Al and Data Analytics

#8 DECENT WORK & ECONOMIC GROWTH

- WHAppy Program
- Low Rental Fee For Community
- Water Hyacinth Project Enterprise ESG Platform

Social: Building Community Growth and Well-Being

WING

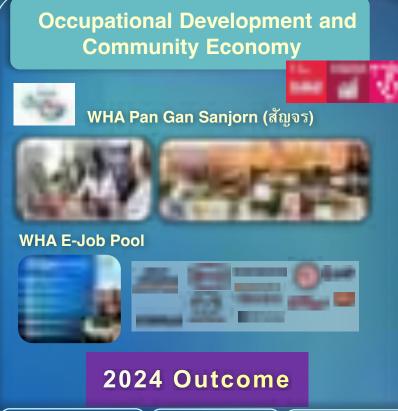
WHA Group continues to actively support communities through a range of impactful activities



Social: Building Community Growth and Well-Being

WHA Group continues to actively support communities through a range of impactful activities





Generating over

650 Jobs

Opportunities /

Year

Contributing to

Employment

Valued at Over

17 Million

Baht / Year

Generating income

to communities

over 2 Million

Baht / Year

Governance Dimension

Ensuring that Business Operations are Pursued in Accordance With the Principles of Integrity

5-Star CGR Rating

Corporate Governance Report of Thai Listed Companies in

5-Stars "Excellent" criteria from Thai Institute of Directors Association (IOD) over seven consecutive years (since 2018-2024)



Assessment Score of AGM Checklist 2025

Level "5-Rating", obtaining a full score of 100% from the Thai Investors Association (TIA) in over five consecutive years (since 2021-2025)



Business Transparency

Certified as member of Thai Private Sector Collective Action Against Corruption ("CAC") for three consecutive times. (since year 2014-2026)



Business Code of Conduct

Good corporate governance management approach in accordance with the national guidelines developed by SET and UNGC



100% of Director, Executive and Employee have been communicated and training about CG policy, the Code of Conduct and Anti-Corruption Policy.

Gender Diversity & Woman Empowerment

33.33% of total directors are women – exceeding statutory requirements of the CGR by Thai IOD,ASEAN CGS, ESG Ratings, FTSE Russell and S&P Global.



Board Effectiveness

98% BOD attendance in 2024

83.33% of all board members are Independent Directors as of April 2025

98% "Excellent" Self
Assessment for the board of
directors as a whole



ASEAN CG Scorecard 2024

Top 50 ASEAN Public Listed Companies

1 of 16 Thai Listed Companies



Supply Chain Management

100% of suppliers have signed acknowledgement to the Supplier Code of Conduct in 2024



Customer Relationship Management

Customer satisfaction which covered topics including;

- Quality of services provided.
- Tidiness of the industrial estates common areas.
- Quality of communicated news and quality of the trainings provided.

Customer Satisfaction Score

2020 2021 2022 2023 2024 89% 90% 86% 88% 86%

Target 2025



<u>>89%</u>

Data Security



Number of

identified leaks, thefts, or losses of customer data

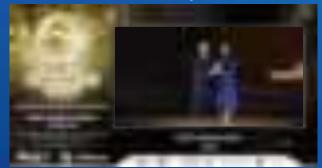
Sustainability Awards & Recognitions

WHA

2024 SET Awards

"Sustainability Excellence Category"

WHA Group "Best Sustainability Awards"

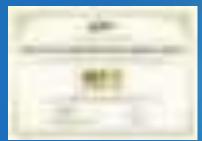


For market capitalization of >30,000-100,000 million baht

SET ESG Ratings 2024

WHA Group & WHAUP Attained the Highest Rating of "AAA" in SET ESG Ratings 2024, Listed as a Sustainable Stock for the 5th Consecutive Year





S&P Global CSA Sustainability Yearbook 2025



WHA Group has been honored as a Sustainability Yearbook Member for the 3rd consecutive year, achieving a Top 1% ranking and securing the No. 1 position with an outstanding score of 85/100 in the S&P Global Corporate Sustainability Assessment for the Real Estate Management & Development industry

Assessment Score of AGM Checklist 2025

Level "5-Rating", obtaining a full score of 100 from the Thai Investors Association (TIA) in over five consecutive years (since 2021-2025)



Business Transparency

Certified as member of Thai Private Sector Collective Action Against Corruption ("CAC") for three consecutive times. (since year 2014-2026)



5-Star CGR Rating

Corporate Governance Report of Thai Listed Companies in

5-Stars "Excellent" criteria from Thai Institute of Directors Association (IOD) over seven consecutive years (since 2018-2024)



Thaipat ESG Rating 2025

WHA Group, WHAUP, WHAIR & WHART^{/2} are listed in the "2025 ESG100" Securities

