

# COMPANY INTRODUCTION

Presented By  
PASTEM CO., LTD.  
Project Development & EPC  
February 2026

Date



PASTEM Co., Ltd.

Your Trusted Partner in  
Renewable Energy & Environmental Solutions  
Since 2006



Biogas



Environment



Energy

# COMPANY OVERVIEW



Company Profile · Vision & Mission · CEO Introduction  
· Management Team · Organization Chart

# 1. Company Profile



Since 2006

Leading the Future of  
Renewable Energy



Headquartered in  
Seoul, Korea

 Company Name	Pastem co., Ltd.
 CEO	Jaekwon Park
 Established	June 5th, 2006
 Address	401 ho. 5, Baumoe-ro 31-gil, Seocho-gu, Seoul, Korea Bdg.130, 5, 1, Gwanak-ro, Gwanak-gu, Seoul, Korea
 Core Business	Engineering & Construction of Energy & Environmental equipment
 Business Area	Investment of agriculture Power plant construction & operation Environment management & consulting

## 2. Vision & Mission

### **VISION**

To become a trusted global partner in renewable energy and environmental infrastructure development across Asia and Africa by 2030, delivering proven Korean expertise to markets that need it most.

### **MISSION**

To build sustainable energy ecosystems by integrating optimal technologies and leveraging 40+ years of global project experience, creating lasting value for clients, communities, and stakeholders worldwide.

## CORE VALUES



### **INNOVATION**

Applying proven technologies with field-tested expertise and decades of hands-on experience.



### **PARTNERSHIP**

Win-win growth with clients, communities, and global partners.



### **SUSTAINABILITY**

Balancing environmental protection with long-term economic value.



### **INTEGRITY**

Building trust through proven technology and successful project execution.

# 3. CEO Introduction-1/2



Chief Executive Officer

## Jaekwon Park

**Pastem Co., Ltd.**

✉ jaep0784@gmail.com

☎ +82-10-5230-3146

### ★ Executive Summary

#### Project Leadership

Extensive experience in leading large-scale industrial projects with successful track records.

#### Strategic Network

Capability to secure large orders based on broad human networks across various industries.

#### Sales Excellence

Sales professional who solves problems and meets customer needs to generate top sales consistently.

#### Win-Win Strategy

Pursuit of growth through creating win-win opportunities for all parties involved.

### Education

 Master of Business Administration Aug, 2015

**Graduate School of Hanyang University**

 Advanced Industrial Strategy Program (AIP) Feb, 1997

**College of Engineering, Seoul National University**

Completed the 16th term

## 3. CEO Introduction-2/2

2006  
1998.08 ~ 2006.05

 GE FANUC ASIA PACIFIC

President of Sales & Marketing

Served as a President of sales and marketing at GE Fanuc Asia Pacific (Enercom IT)  
Increased market share from under 1% to 3% through aggressive strategic actions comparable to Rockwell's performance

1998  
1991.05 ~ 1998.04

 Rockwell Samsung Korea

Managing Director of Sales & Marketing

Former Rockwell Automation / Allen-Bradley Reliance Electric  
Boosted sales from 2.8 billion Won (1992) to 30 billion Won until leaving the company in 1998

1991  
1989.06 ~ 1991.05

 Hyundai Information Technology

President of Ulsan Branch Office

Former Hyundai Allen-Bradley  
Managed FA project orders for subsidiaries (Hyundai Motor, Hyundai Heavy Industries, SK Chemical)

1989  
1978.11 ~ 1989.05

 Hyundai Engineering & Construction

Managed various overseas electrical related business of construction company  
Extensive field experience in large-scale international construction projects

## 4. Management Team



**Jaekwon Park**

**FOUNDER, CHAIRMAN & CEO**

- Experience: Hyundai E&C, Hyundai Information Technology, Rockwell Samsung Korea, GE Fanuc Asia Pacific
- Education: MBA, Hanyang University; Advanced Industrial Strategy Program(AIP), Seoul National University
- Core Strength: Proven revenue driver with 50 years of global project leadership — growing Rockwell Samsung Korea 10x in six years (abt. \$2.2M → \$23M) and building extensive strategic networks across public and private sectors for optimal solution integration.



**Samuel Oh**

**PRESIDENT & COO**

- Experience: Kolon Industry Inc. Meco Global Co., Ltd.
- Education: BBA, Korea University
- Core Strength: Renewable energy expert with 40+ years of business experience and an extensive track record in environmental projects, combining deep sector knowledge with operational excellence and strategic management capabilities.



**Yunsuk Seo**

**HEAD, R&D & Technical Solution**

- Experience: SK Energy
- Education: M.S. Chemical Engineering, Yonsei University
- Core Strength: Senior chemical and process engineer with deep energy systems expertise from SK Energy (Korea's leading energy company). Leads PASTEM's technology evaluation and engineering optimization, ensuring all projects deliver proven commercial performance and long-term operational reliability.

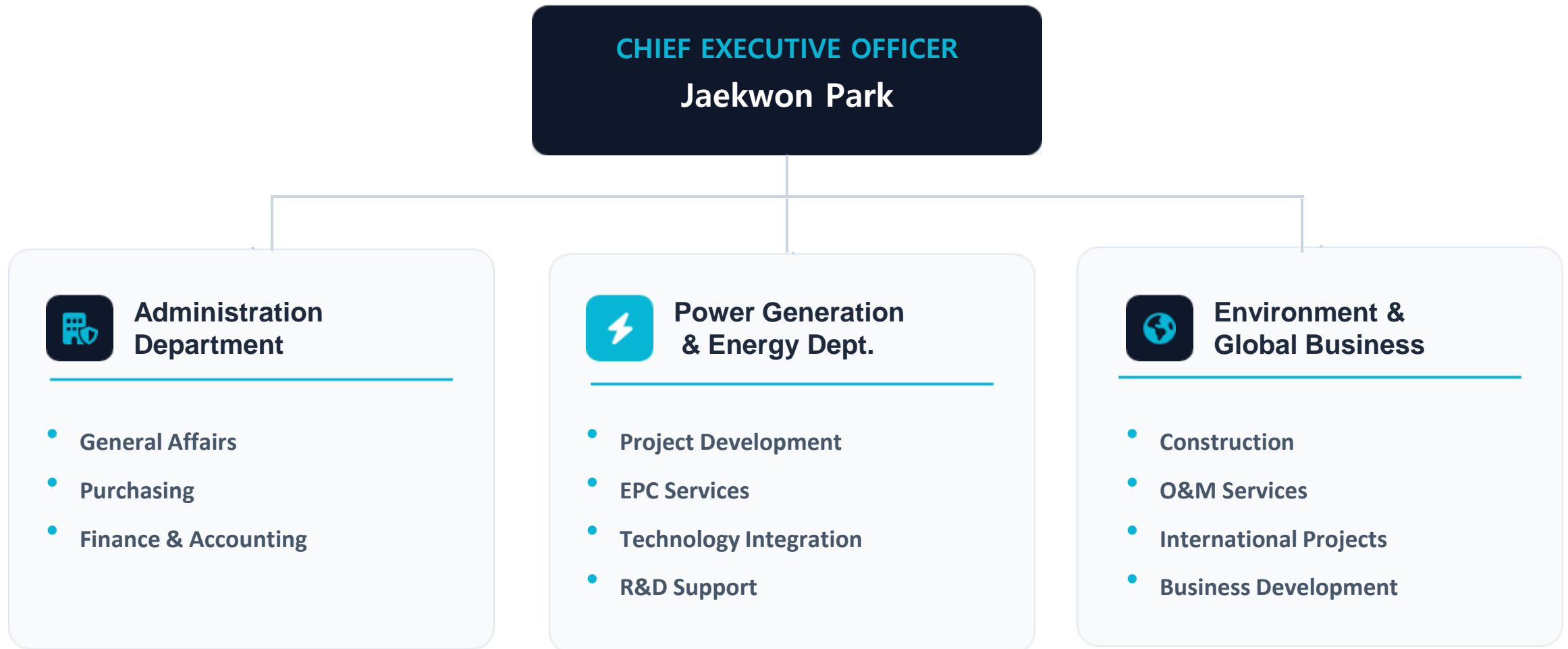


**Chulhee Park**

**G. Manager, HR & General Affairs**

- Experience: Lotte Engineering & Construction
- Education: MBA, Peking University
- Core Strength: Overseeing PASTEM's human resources and corporate affairs, leveraging construction industry experience and international business acumen to build scalable organizational infrastructure supporting global expansion across Asia-Pacific markets.

# 5. Organization Chart



# Core Competencies & Technology

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What Sets PASTEM Apart · Government Certifications  
· Intellectual Property (Biogas) · Intellectual Property  
(Environment) · Strategic Partnerships

## 6. What Sets PASTEM Apart



### PROVEN GLOBAL EXPERTISE

Nearly 50 years of combined leadership experience across construction, industrial automation, and renewable energy sectors — from Korea's largest infrastructure projects to international markets in Asia and Africa.

- ✓ Hyundai E&C overseas construction
- ✓ GE Fanuc Asia Pacific market leadership
- ✓ Sudokwon Landfill — world's largest



### EXTENSIVE STRATEGIC NETWORK

Powerful relationships spanning government agencies, public corporations, and global technology leaders — enabling access to mega-projects and optimal consortium formation across Korea, South Asia, and East Africa.

- ✓ Korean government & public agencies
- ✓ Sri Lanka BOI & provincial councils
- ✓ Global technology & EPC partners



### OPTIMAL TECHNOLOGY INTEGRATION

Deep technical understanding allows us to evaluate, select, and integrate the most suitable proven technologies for each project's unique requirements — delivering maximum efficiency and commercial performance every time.

- ✓ Biogas process optimization
- ✓ SOFC fuel cell system integration
- ✓ IoT-based environmental monitoring



### END-TO-END PROJECT CAPABILITY

Comprehensive services covering the entire project lifecycle — from initial development and financing structure to EPC execution and long-term O&M — delivering bankable, sustainable solutions for any market.

- ✓ Project development & structuring
- ✓ EPC & construction management
- ✓ Long-term O&M & performance guarantee

# 7. Government Certifications-1/2



Official Certification

## Certification of Sri Lanka Project

Official authorization granted by the Sri Lankan government for the Waste Management and Renewable Energy project, validating Pastem's technical capability and environmental compliance.


Issued By  
 Govt. of Sri Lanka

Project Scope  
 Waste Management

Status  
 Approved

Validity  
 Permanent

## 7. Government Certifications-2/2

දුරකථන අංක Telephone Nos.		 <b>ඇම්.පී. ජයසිංහ</b> எம்.பி. ஜயசிங்க M.P. Jayasinghe <b>ඌව පළාත් ආණ්ඩුකාරවරයා</b> ஜனலா மாகாண ஆளுநர் Governor Uva Province	ආණ්ඩුකාරවරයාගේ කාර්යාලය Office of the Governor රජ පිලිය, පලුස්ල, ශ්‍රී ලංකාව King's Street, Badulla, Sri Lanka E-mail : governoruva@sltnet.lk governoruva@gmail.com Website : www.governor.up.gov.lk
කාර්යාලය Office (+94) 55-2223123 (+94) 55-2223124			
සීමිත ස්ථානය Official Residence (+94) 55-2226331			
ස්වකීය Residence (+94) 81-2222485			
ෆැක්ස් Fax (+94) 55-2223123 (+94) 55-2224632			

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17 10.2017

My Number:- 1/4/2/28- A

Secretary,  
Ministry of National Policies and Economic Affairs ,  
1st floor "Miloda",  
Bristol Street,  
Colombo 01,

**Pastem gala sugar and power gen 2 project**

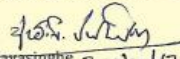
A private company named PASTEM GALA SUGAR AND POWER GEN 2 (PVT) LTD has been submitted a concept paper suggesting to implement a project on the objective of developing Eco friendly techniques and rural industries (Annex I). The proposal consists with following sub projects.

1. Livestock Development Project
2. Waste Management Project
3. Power Generation Project
4. Organic Cane – Jaggery Powder Production Project
5. Eco Tourism Project

This Proposal was forwarded to Uva Provincial Council session held on 22.06.2017 by R.M. Rathnayake, Opposition leader of Uva Provincial Council and unanimously passed.

Since the project is productive, a cabinet memorandum has been submitted to the board of Ministers on 12.10.2017 and the provincial cabinet has approved the implementation of Project.

Therefore, I herewith provide my Concurrence to implement the above project in Uva Province under the rules and regulations on foreign investments of the Sri Lanka Government and to act Uva Provincial Council as a facilitator of this Project.

  
 M.P. Jayasinghe 2017/10/17  
 Governor of Uva Province

Copy to :-  
01. Secretary, Ministry of Provincial Council and Local Government – For Your Information Please.  
02. Chairman, Pastem Gala Sugerand Power Gen 2 (PVT) LTD.- For Your Information as per Your letter dated 11.10.2017



Provincial Approval

## Certification of Uva State

Official authorization from the Uva Provincial Council for the "Sugar & Power Solid Waste Management Project," securing rights for land use and facility construction in the designated region.

Authority

 Uva Provincial Council

Project Name

 Sugar & Power SWM

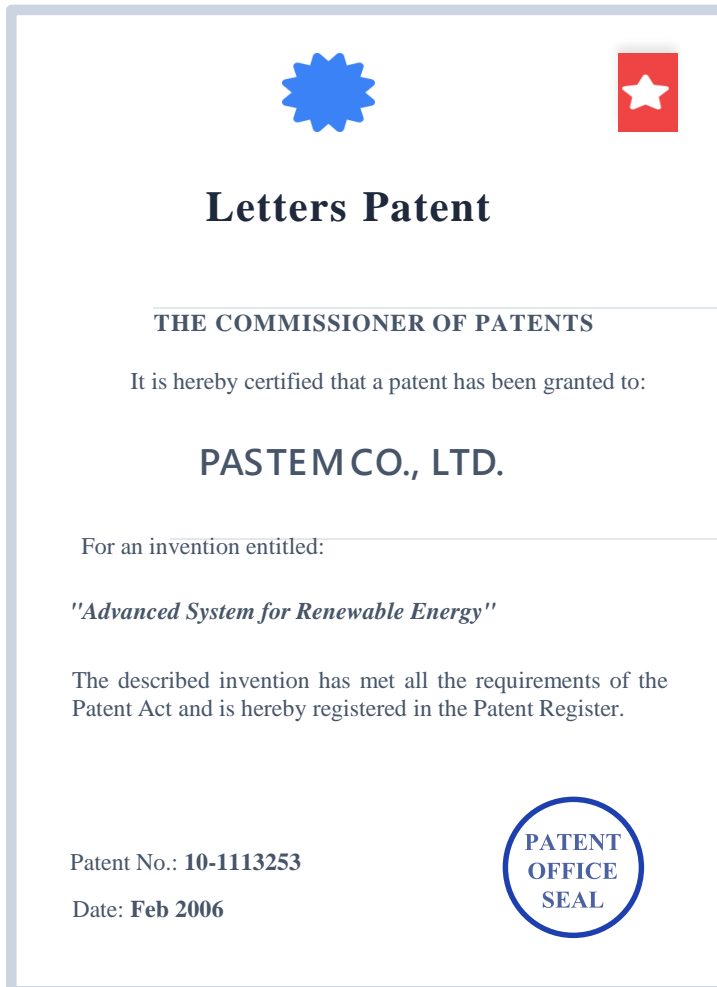
Location

 Monaragala District

Status

 Permit Granted

# 8. Intellectual Property (Biogas)



## TECHNOLOGY EXPERTISE APPLIED IN REAL PROJECTS

### REGISTERED PATENT

**Patent No.:** KR-10-1113253

**Title:** Method for High-Efficiency Biogas Production

**Inventors:** Jaekwon Park et al.

**Application:** Renewable Energy, Biogas Plant EPC

**Status:** Registered & Commercially Deployed

### TECHNICAL ADVANTAGE

An innovative anaerobic digestion process increasing methane yield by **20%** compared to conventional methods through optimized microbial culture management.

### PASTEM'S APPLIED EXPERTISE

This patent demonstrates our deep technical understanding of biogas processes. PASTEM applies this and other proven technologies in commercial projects like Hongcheon Energy Town and RDA Green Village, optimizing performance based on decades of field experience.

# 8. Intellectual Property (Environment)



## Letters Patent

THE COMMISSIONER OF PATENTS

It is hereby certified that a patent has been granted to:

**PASTEM CO., LTD.**

For an invention entitled:

*"System for Landfill Gas Monitoring & Control"*

The described invention has met all the requirements of the Patent Act and is hereby registered in the Patent Register for its contribution to environmental safety.

Patent No.: **10-9876543**

Date: **Jan 2016**

PATENT  
OFFICE  
SEAL



## ENVIRONMENTAL CONTROL SYSTEMS IN OPERATION

### REGISTERED PATENT

**Patent No.:** KR-10-1885134

**Title:** Automated Odor Prevention System

**Inventors:** Jaekwon Park et al.

**Application:** Landfill Site Management & Safety

**Status:** Registered & Operational at Sudokwon

### TECHNICAL ADVANTAGE

Integrated system utilizing IoT sensors and pressurized sprinklers to automatically detect and neutralize odors and hazardous gases in real-time.

### PASTEM'S APPLIED EXPERTISE

This technology is actively deployed at the **Sudokwon Landfill Site** — the world's largest sanitary landfill complex — where PASTEM operates 24 pressurized sprinkler units and maintains **>90% clean air compliance**, proving our capability to implement advanced solutions at scale.

# 9. Strategic Partnerships

PASTEM serves as the Master Developer — identifying optimal partners, building bankable consortiums, and delivering executable project solutions across Korea, Asia, and Africa.



## TECHNOLOGY & EPC PARTNERS

Collaborating with Korea's leading technology and engineering firms to ensure execution excellence.

- SK E&C (10MW SOFC Fuel Cell EPC)
- Woosuk University (RDA Biogas R&D)
- Leading environmental tech providers

### PASTEM's Role:

- Select optimal technologies
- Coordinate engineering interfaces
- Ensure commercial feasibility



## GOVERNMENT & PUBLIC SECTOR

Building long-term relationships with government agencies for sustainable project development.

- Sudokwon Landfill (Official contractor)
- Government of Sri Lanka (SL-2026-001)
- Uva Provincial Council (UVA-26-045)

### PASTEM's Role:

- Secure official approvals & permits
- Structure BOOT & PPP frameworks
- Maintain regulatory compliance



## FINANCIAL & INVESTMENT PARTNERS

Structuring bankable international projects through SPVs and cross-border investment facilitation.

- Sri Lanka SPV (GALA SUGAR & POWER)
- BOI Sri Lanka investment facilitation
- Zanzibar \$100M project consortium

### PASTEM's Role:

- Develop bankable business models
- Structure international financing
- Manage project risks & returns

# Business Areas

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[Business Areas Overview](#) · [Biogas & Renewable Energy](#)  
· [Environment Business](#) · [Hydrogen Energy & Fuel Cell](#)

# 10. Business Areas Overview

## Three Core Businesses. One Integrated Vision.

From organic waste to clean energy, from landfill management to hydrogen power — PASTEM delivers integrated solutions across the full spectrum of renewable energy and environmental infrastructure.

### INPUTS FEEDSTOCK

-  Biowaste from households
-  Industrial & commercial organic waste
-  Agricultural organic waste
-  Animal livestock manure (poultry, horse, cattle etc.)
-  Landscaping green waste (municipal, residential, sporting)



### OUTPUTS PRODUCTS

-  Electricity
-  Biomethane (NG, grid injection)
-  Biogas (CH<sub>4</sub> mobility & transport)
-  Heat/cold generation
-  Organic fertilizer

### BIOGAS & RENEWABLE ENERGY

- Biogas plant EPC using proven anaerobic digestion
- Small cogeneration (CHP) systems for distributed energy
- Complete organic waste-to-energy resource circulation

✓ Hongcheon 100t/day (10+ years operation)



### ENVIRONMENT BUSINESS

- Landfill leachate treatment plant design, construction & O&M
- Advanced odor prevention and hazardous gas monitoring
- Zero-discharge environmental compliance solutions

✓ Sudokwon Landfill (World's Largest)



### HYDROGEN & FUEL CELL

- Fuel cell power plant project development and coordination
- Strategic EPC partnerships with leading providers
- Off-grid and distributed hydrogen system integration

✓ Icheon 10MW SOFC (Commercial Operation)

*In every business area, PASTEM applies 40+ years of expertise to select, integrate, and operate the best available technologies — ensuring sustainable performance and maximum value for every client.*

# 11. Biogas & Renewable Energy

## Turning Organic Waste into Clean, Sustainable Power

### ♻️ BIOGAS PRODUCTION PROCESS



### ⚙️ PASTEM'S CAPABILITIES

**Tech Integration**  
Optimal selection of proven anaerobic digestion technologies.

**Resource Circulation**  
Complete waste-to-energy model (Electricity/Heat/Fertilizer).

**Remote Monitoring**  
Internet-based real-time monitoring and automated systems.

**Long-term Reliability**  
10+ years of proven commercial operation excellence.



Hongcheon Eco-Friendly Energy Town

### 📌 PROJECT REFERENCES

#### 📍 Hongcheon Eco-Friendly Energy Town

100 tons/day (Manure + Organic) Completed: Dec 2015

✓ **10+ years stable commercial operation**

#### 📍 RDA Green Village #1 (Gimje)

Pig manure 25 tons/day Completed: Nov 2011

✓ **100% localized technology validation**

*10+ years of continuous commercial operation —  
the strongest proof of PASTEM's engineering reliability and O&M excellence.*

# 12. Environment Business



## 💧 LEACHATE TREATMENT PLANTS

Advanced treatment facilities preventing environmental contamination from landfill leachate discharge.

- ✔️ **Design & Construction:** 4 major landfill sites including Sudokwon
- ✔️ **Zero Discharge:** Complete compliance through bio+membrane integration
- ✔️ **24/7 Automated Control:** Continuous monitoring & process optimization

## 🌬️ ENVIRONMENTAL CONTROL SYSTEMS

IoT-based real-time hazardous gas detection with automated pressurized response systems.

- ✔️ **24-Unit Sprinkler System:** Continuous odor prevention across all sites
- ✔️ **IoT Gas Monitoring:** Automated response to hazardous gas emissions
- ✔️ **>90% Clean Air Target:** Consistently maintained air quality compliance

*Official contractor for the world's largest sanitary landfill complex —  
the strongest validation of PASTEM's environmental engineering capability.*

# 14. Hydrogen Energy & Fuel Cell

## ⚡ PROJECT HIGHLIGHT

**Location:** Icheon-si, Korea

**Technology:** SOFC (Solid Oxide)

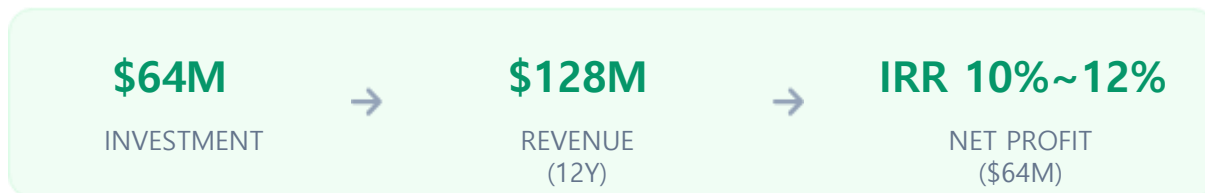
**EPC Partner:** SK E&C

**Fuel:** LNG-reformed Hydrogen

## 🎯 PASTEM'S ROLE AS MASTER DEVELOPER

- **Project Structuring** Identified high-potential opportunity and structured the optimal investment framework.
- **Partnership Coordination** Assembled the ideal consortium with industry leaders like SK E&C.
- **Financial Modeling** Orchestrated \$64M investment with projected robust returns over 12 years.

## 📈 COMMERCIAL SUCCESS FACTORS



*PASTEM develops fuel cell projects through strategic partnerships — combining optimal technology selection with bankable financial structures.*

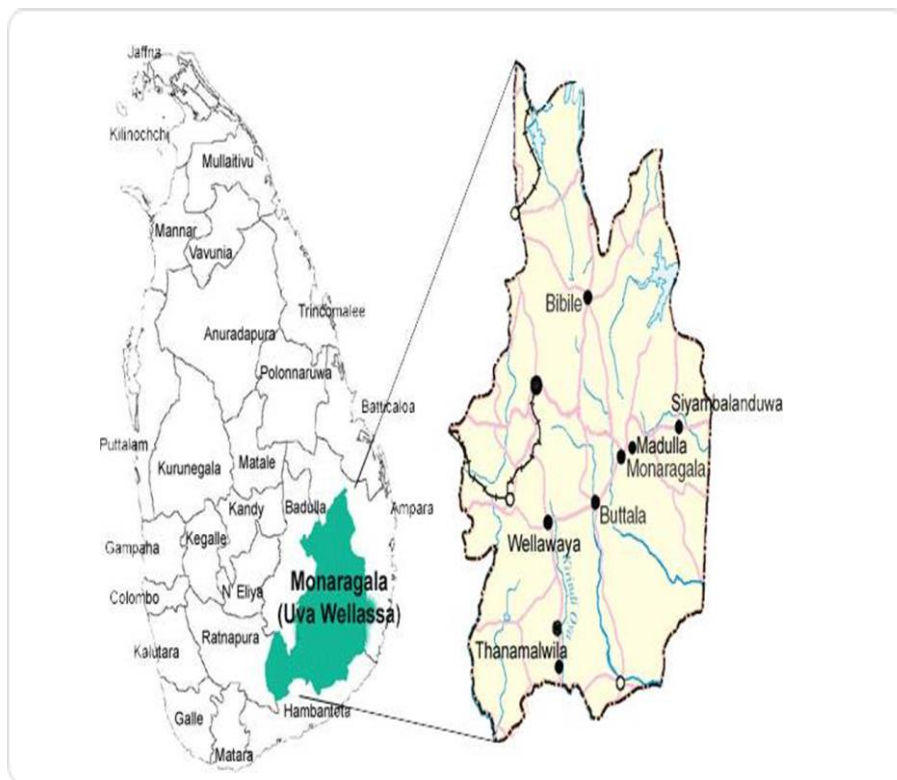
# Global Project Portfolio



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Sri Lanka Projects · Zanzibar Fisheries Cluster Project

## 15. Sri Lanka Projects



### GOVERNMENT CERTIFICATIONS & PROJECT STATUS

- ✓ **National Level**  
Sri Lanka Government Certification  
Ref. SL-2026-001 | Status: Permanent Approval Granted
- ✓ **Provincial Level**  
Uva Provincial Council Authorization  
Ref. UVA-26-045 | Original Approval: October 17, 2017

### PASTEM'S STRATEGIC VALUE

- ✓ **Technology Transfer:** Korean solutions adapted for South Asia
- ✓ **Bankable Structure:** 25-year BOOT business models
- ✓ **Government Relations:** Central + provincial endorsements
- ✓ **Execution Leadership:** Official designated contractor (4 sites)

Project Metrics: 25-Year BOOT | 4 Sites | 12 MWh Generation

#### 🔄 PROJECT 1: Sugar & Power Solid Waste Management

<b>Client</b>	Govt of Uva Province & BOI
<b>Location</b>	Monaragala District, Uva Province
<b>Model</b>	BOOT — 25 Year Contract
<b>Tech Specs</b>	200t/d MSW Processing   12 MWh Generation

**PASTEM's Role:** • Master project development and technical integration  
• Long-term operation and maintenance planning

#### 💧 PROJECT 2: Sanitary Landfill Leachate Treatment

<b>Client</b>	Government of Sri Lanka (Central)
<b>Scope</b>	4 Sanitary Landfill Sites Nationwide
<b>Role</b>	Official Designated Contractor
<b>Primary Site</b>	Keerikkulama Sanitary Landfill

**PASTEM's Role:** • End-to-end engineering design and construction • Technology adaptation for local conditions • Regulatory compliance and quality assurance

# 16. Zanzibar Project



## Strategic Value & Impact

Beyond industrial development, the Zanzibar Fisheries Cluster delivers transformative socio-economic impact across multiple sectors.



### Economic Growth

- Boosting export competitiveness via high-value seafood processing
- Accelerating Blue Economy and contributing to GDP
- Vitalizing regional economy through foreign currency earnings



### Job Creation

- Large-scale local hiring in marine, logistics, and energy sectors
- Enhancing human resources via specialized vocational training
- Creating indirect jobs in related service industries



### Technology Transfer

- Localizing advanced Korean marine & processing technologies
- Transferring know-how for Smart Grid & ESS operations
- Adopting global standard quality management systems



### Social & Environment

- Minimizing carbon footprint through renewable energy use
- Improving food hygiene and ensuring food safety
- Contributing to regional power grid stabilization

#### ENERGY LEADERSHIP

Leading 10MW PV + 25MWh ESS for full cluster power stability.

#### TECHNOLOGY TRANSFER

Introducing proven Korean Solar and ESS solutions to East Africa.

#### MASTER DEVELOPMENT

Coordinating global partners to deliver integrated infrastructure.

#### BLUE ECONOMY

Transforming Zanzibar's fisheries with clean energy integration.

FUTURE VISION

# PASTEM INTEGRATED SUSTAINABLE DEVELOPMENT

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Integrated Sustainable Development  
Orchestrating renewable energy, water, and agriculture solutions  
to build comprehensive eco-systems across East Africa and beyond.

# Zanzibar Integrated Sustainable Development Portfolio



Solar Powered- Water Treatment Facility



Smart Agriculture and Commercial Complex



Waste to Energy



Shrimp Farming with Rooftop-Solar




Utility-Scale Solar Farm


PASTEM

# Thank You!


Creating a Sustainable Future with  
Renewable Energy & Environmental Solutions

 Headquarter

401 ho. 5, Baumoe-ro 31-gil,  
Seocho-gu, Seoul, Korea

 R&D Center

Bdg.130, 5, 1, Gwanak-ro,  
Gwanak-gu, Seoul, Korea

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