LA TOFI SCHOOL OF SOCIAL RESPONSIBILITY
NAVIGATE THE CHANGE
INDONESIA

# CERTIFICATE OF GLOBAL RECOGNITION

PORTMAN UNIVERSITY
EDUCATION Empowering Superintelligence
CHICAGO, USA

## 3RD ASIAN IMPACT AWARDS & CEPI RECOGNITION 2026

PRESENTED TO

# PT PERTAMINA GAS OPERATION SOUTH SUMATERA AREA (OSSA)

RECOGNIZED PROGRAM

**PINA LESTARI : NANAS UNTUK AKSELERASI EKONOMI SERTA KEBERLANJUTAN ALAM YANG ASRI**

AWARD CATEGORY

**CORPORATE RISK & ECONOMIC RESILIENCE**

IMPACT NARRATIVE

**Before**: Pineapple leaves were largely treated as waste—left to accumulate, decay, or be burned. Behind this unused resource were environmental pressures, carbon emissions, unsafe production conditions, and communities still vulnerable to unstable livelihoods.

**Transformations**: Through Pina Lestari, Pertamina Gas OSSA has built an integrated circular economy around Fuel, Food, Fiber, Fashion, and Fertilizer. Pineapple waste is transformed into productive resources, cleaner energy improves production, and farmers, women, elderly people, and local groups participate in new economic value chains.

**Significance**: Pina Lestari demonstrates that environmental restoration can become an engine of community resilience. What was once discarded now creates value—connecting ecological responsibility, safer production, stronger local institutions, and more sustainable livelihoods for people and planet.

RECOGNITION LEVEL

**PLATINUM GLOBAL RECOGNITION 96.30 & CEPI CHAMPION CANDIDATE 3.01**
THE PROGRAM BELONGS TO RISK HIGH – ACTION HIGH CATEGORY (LEADER QUADRANT)

PROGRAM ASSESSMENT USING THE LA TOFI ESG RATING AND CEPI METHODOLOGY HAS BEEN VALIDATED THROUGH PORTES™ 1.0 UNDER OUR COLLABORATION BETWEEN PORTMAN UNIVERSITY AND LA TOFI SCHOOL OF SOCIAL RESPONSIBILITY

THIS CERTIFICATE, ACCOMPANIED BY TWO APPENDICES OF LA TOFI ESG RATING AND TWO APPENDICES OF CEPI, IS HEREBY ISSUED IN JAKARTA ON OCTOBER 21, 2026

LA TOFI ESG RATING
CEPI CORPORATE ECONOMIC PROTECTION INDEX
PORTES™ 1.0 Global ESG Standard PORTMAN UNIVERSITY & LA TOFI SCHOOL

**LA TOFI**
PRINCIPAL ASSESSOR LA TOFI ESG RATING, FOUNDER & OWNER ASIAN IMPACT AWARDS – INTERNATIONAL RECOGNITION FOR ESG IMPACT AND LEADERSHIP

- **CATEGORY LA TOFI ESG RATING**: SCORE 85 - 100 — PLATINUM GLOBAL RECOGNITION, SCORE 70 - 84 — GOLD GLOBAL RECOGNITION, SCORE 55 - 69 — SILVER GLOBAL RECOGNITION, SCORE 0 - 54 — BRONZE GLOBAL RECOGNITION.
- **CATEGORY CEPI**: CEPI ≥ 2.50 — CHAMPION CANDIDATE, CEPI 1.50 – 2.49 — CHAMPION CANDIDATE, CEPI 1.00 – 1.49 — QUALIFIED PROTECTION, CEPI < 1.00 — IMPROVEMENT NEEDED.

GRAIA2026015

RECOGNIZED PROGRAM

**PINA LESTARI:**
**NANAS UNTUK AKSELERASI EKONOMI SERTA KEBERLANJUTAN ALAM YANG ASRI**

BY

**PT PERTAMINA GAS - OPERATION SOUTH SUMATERA AREA (OSSA)**

FOLLOWING AN ASSESSMENT CONDUCTED USING THE LA TOFI ESG RATING ASSESSMENT FRAMEWORK, THIS PROGRAM HAS BEEN AWARDED

**PLATINUM GLOBAL RECOGNITION**

| ASSESSMENT PILLAR | SCORE | WEIGHT | WEIGHTED SCORE |
|---|---|---|---|
| LRMI (Local Risk Mapping Index) | 100.00 | **20%** | **20.00** |
| RSAI (Risk–Strategy Alignment Index) | 100.00 | **25%** | **25.00** |
| AMS (Action Mitigation Score) | 94.00 | **35%** | **32.90** |
| FVS (Field Verification Score) | 92.00 | **20%** | **18.40** |
| **TOTAL** | | **100%** | **96.30** |

- lRMI (100) → All five material local risks were identified as significant, providing a comprehensive risk foundation for Pina Lestari. The risk landscape covers agricultural waste and environmental degradation, production emissions and occupational health, economic exclusion, livelihood vulnerability, and corporate reputation/social license.
- RSAI (100) → All five significant risks are integrated into the program strategy. The strongest alignment is demonstrated through the 5F model—Fuel, Food, Fiber, Fashion, and Fertilizer—supported by Miwa Pineapple Cooperative, production infrastructure, capacity building, and multi-stakeholder collaboration.
- AMS (94) → Mitigation actions demonstrate exceptional scale, effectiveness, and sustainability. The program reports management of 7,620 tonnes of pineapple-leaf waste annually, lower production emissions and noise, stronger community institutions, and new economic value chains. The score is moderated primarily by the need for stronger direct measurement of reputation and social-license outcomes.
- FVS (92) → Field verification through desk review is supported by quantitative before-and-after data, economic outcomes, beneficiary participation, and multi-stakeholder implementation. Further independent verification of technical measurements and direct indicators of stakeholder trust and social license would strengthen the evidence base.

The program achieved an overall **Recognition Score of 96.30**, placing it within the **Risk High – Action High (Leader Quadrant)** under the **La Tofi ESG Rating Assessment Framework**, conducted in accordance with the **PORTES™ 1.0 Global Standard**.

**Why Risk High?** - The program responds to interconnected environmental, social, economic, and stakeholder risks surrounding Pertamina Gas OSSA's operational context. Agricultural waste accumulation and environmental degradation, production-related emissions and noise, economic exclusion of vulnerable groups, livelihood vulnerability, and stakeholder relations collectively create material risks to community resilience and sustainable local development. These conditions also have implications for the company's reputation and social license to operate, making effective local risk management strategically important.

**Why Action High?** - Pina Lestari transforms these interconnected risks into an integrated circular-economy ecosystem rather than addressing them through isolated CSR activities. Pineapple leaf waste is converted into productive resources through the Fuel, Food, Fiber, Fashion, and Fertilizer (5F) model; cleaner energy reduces production-related environmental and health risks; new value chains strengthen livelihoods and economic inclusion; Miwa Pineapple Cooperative reinforces local ownership; and multi-stakeholder collaboration supports the program's continuity beyond direct corporate intervention. The result is a connected mitigation model where environmental recovery, economic value creation, community empowerment, and institutional strengthening reinforce one another.

## GAP COEFFICIENT ANALYSIS

**PT PERTAMINA GAS - OPERATION SOUTH SUMATERA AREA (OSSA)** achieved an overall score of 96.30 (Platinum Global Recognition).

**Gap** = 1 – 0,9630 = **0,0370**

The 3.70% gap indicates a very high degree of alignment between material local risks, program strategy, mitigation actions, and evidence of impact. The remaining gap does not primarily concern program design; it lies in strengthening the depth and independence of impact verification. Pina Lestari already demonstrates a measurable transition from environmental liability to circular economic value. The program reports processing 7,620 tonnes of pineapple-leaf waste annually, reducing production emissions from approximately 2.68 to 2 tonnes CO2e/year, lowering decorticator noise from 95–100 dB to 70–75 dB, and generating measurable economic benefits across farmers, the cooperative, and women-led production groups.

## STRATEGIC IMPROVEMENT PRIORITIES

1. **Strengthen independent impact verification.** Environmental indicators—particularly waste volumes, emissions, and noise reduction—should be supported by traceable measurement protocols and, where appropriate, independent verification.
2. **Develop longitudinal impact measurement.** Baseline–endline and multi-year monitoring should demonstrate whether income, livelihood resilience, institutional capacity, and environmental improvements continue beyond annual program outputs.
3. **Strengthen the commercial sustainability of the 5F ecosystem.** Market access, offtaker partnerships, product standards, production capacity, and financial performance of Miwa Pineapple Cooperative should be monitored to demonstrate that circularity translates into durable economic independence.
4. **Establish direct Social License to Operate indicators.** Stakeholder trust, community satisfaction, grievances and resolution rates, participation continuity, and stakeholder perceptions should be measured periodically. This would replace proxy evidence with direct evidence of reputation and social acceptance.
5. **Strengthen evidence-based impact documentation.** Future assessments should connect each material risk with its baseline, intervention, output, outcome, verification source, and longer-term impact.

With this achievement, PT PERTAMINA GAS - OPERATION SOUTH SUMATERA AREA (OSSA) receives Platinum Global Recognition and is positioned in the Leader Quadrant under the La Tofi ESG Rating 2026.

PROGRAM
**PINA LESTARI:**
**NANAS UNTUK AKSELERASI EKONOMI SERTA KEBERLANJUTAN ALAM YANG ASRI**

IMPLEMENTED BY
**PT PERTAMINA GAS - OPERATION SOUTH SUMATERA AREA (OSSA)**

BASED ON THE LA TOFI ESG RATING METHODOLOGY
**CHAMPION CANDIDATE**

**SUMMARY OF RISK ANALYSIS AND FINANCIAL RISK EXPOSURE (FRE)**

| No. | Material Risk | P×I | Risk Weight | V (Rp) | FRE Baseline | SEF | PIF | FRE Adjusted |
|---|---|---|---|---|---|---|---|---|
| 1 | Agricultural Waste Accumulation & Environmental Quality Degradation | 25 | 1 | 4,000,000,000 | 4,000,000,000 | 35% | 90% | **1,260,000,000** |
| 2 | Emissions, Noise & Health Risks from Production Processes | 16 | 0.64 | 3,000,000,000 | 1,920,000,000 | 35% | 85% | **571,200,000** |
| 3 | Economic Exclusion of Vulnerable Groups & Weak Local Economic Institutions | 16 | 0.64 | 3,000,000,000 | 1,920,000,000 | 35% | 85% | **571,200,000** |
| 4 | Livelihood Vulnerability & Low Economic Value of Local Resources | 20 | 0.8 | 4,000,000,000 | 3,200,000,000 | 35% | 90% | **1,008,000,000** |
| 5 | Corporate Reputation & Social License to Operate Risk | 12 | 0.48 | 6,000,000,000 | 2,880,000,000 | 35% | 60% | **604,800,000** |
| | **TOTAL** | **89** | | **20,000,000,000** | **13,920,000,000** | | | **4,015,200,000** |

**FRE BASELINE: RP 13,920,000,000**
REPRESENTS THE ESTIMATED ECONOMIC RISK EXPOSURE OF THE OPERATIONAL UNIT IN THE ABSENCE OF THE PROGRAM.

**FRE ADJUSTED: RP 4,015,200,000**
REPRESENTS THE PORTION OF ECONOMIC RISK EXPOSURE THAT FALLS WITHIN THE PROGRAM'S SCOPE AND CAN BE EFFECTIVELY MITIGATED THROUGH THE PROGRAM'S INTERVENTIONS.

## ECONOMIC PROTECTION VALUE ASSESSMENT

Risk Mitigation Effectiveness (RME)
AMS = 94
FVS = 92
**RME = 93.20%**

**Economic Protection Value (EPV)**
EPV = FRE Adjusted × RME
**EPV = Rp 3,742,166,400**

**Total Program Investment Rp 1,244,949,080**
**Corporate Economic Protection Index (CEPI) = 3.01**

## STRATEGIC INTERPRETATION

A CEPI score of 3.01 places PINA LESTARI in the Champion Candidate category. Every IDR 1 invested is associated with approximately IDR 3.01 of protected economic value.
Through the integrated **5F model—Fuel, Food, Fiber, Fashion, and Fertilizer—**the program transforms pineapple waste and related environmental and socioeconomic risks into productive resources, stronger livelihoods, and local economic opportunities.

From a CEPI perspective, PINA LESTARI demonstrates that sustainability investment can function not only as CSR expenditure, but as a mechanism for risk mitigation, community resilience, and long-term economic value protection.