

The logo for Straw Innovations Ltd features a stylized, swirling orange design that resembles a spiral or a series of concentric, overlapping loops, positioned behind the company name.

Straw Innovations Ltd

Rice Straw Energy in the Philippines

IEA Bioenergy, May 2023

PROBLEM: Rice Emissions



more than the entire
Global Aviation Industry

PROBLEM

750m tonnes rice straw / year



PROBLEM

Burning/Rotting



Straw Harvesting for Bioenergy?

- No technologies for flooded fields



OUR SOLUTION



RICE & STRAW CO-HARVESTER

- ✓ World first
- ✓ Integrated into combine harvesters
 - ✓ Works in flooded rice fields
 - ✓ Pat. Pending

OUR SOLUTION



X Knee-high stubble
Normal Harvester



✓ Ankle-high stubble
'5-in-1' Harvester

BUSINESS MODEL





UKaid
from the British people

BIOENERGY FOR PRODUCTIVE USE



BIOENERGY HUB CONSTRUCTION



SUSTAINABILITY



SRP

'it's clean, it's very very clean'

CLIMATE IMPACT

Million tonnes CO₂e per year (Nature 2018)



CLIMATE IMPACT

Diamond List

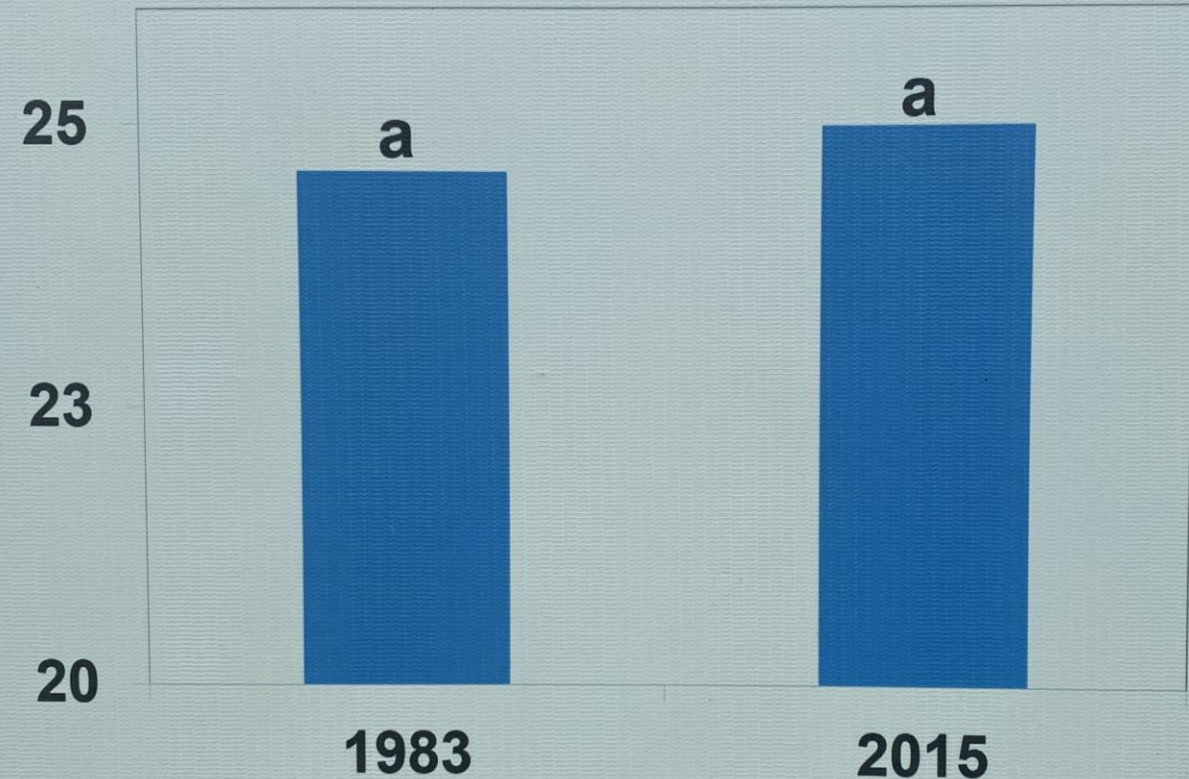
Shining a light on the next generation of impactful climate companies

[ABOUT](#)[IMPACT](#)[2022 CYCLE](#)[2021 LIST](#)[SUPPORTERS](#)[SUBSCRIBE](#)[TEAM](#)[CONTACT US](#)

SOIL IMPACT

- ✓ Straw not needed to maintain soil organic matter in flooded rice-rice systems
- ✓ **Vast resource for clean energy**
- ✓ Nutrients can be returned

Total soil organic C (g/kg)



- Soil organic C did not decrease across 30 years, even though all aboveground crop residues were removed.



HEALTH IMPACT

PHILIPPINES

Health Benefits :
\$21 BILLION

GO TO MARKET STRATEGY



Philippines' largest hybrid rice company
Thousands of hectares to harvest

MARKET EXPANSION

**Let's make stubble
burning history!**

Asia

Philippines

Indonesia

There are more people living inside
this circle than outside of it.

craig@strawinnovations.com

