

# A2P Energy Solution Pvt Ltd

Biofuel from waste for a cleaner, healthier India



Company registration No	U37200CH2018PTC041886
DIPP No	DIPP34685
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Contact No	+91-8146659318
Company URL	<a href="https://www.a2penergy.com/">https://www.a2penergy.com/</a>
Founding Year	2018
Stage	Scaling/ Growth Stage
Industry/ Sector Focus	Thermal Power Plants, Cement, Process and Waste recycling



# ~~The Problem~~ Epidemic



35 million tonnes of straw is produced every year: most of it is burned on the fields

HEALTH

**Delhi Most Polluted Capital In The World..**

*Published :March 6, 2019*

**hindustantimes**

**‘Delhi kids have smaller lungs compared with children in US due to air pollution’**

*Journal of Indian Paediatrics*

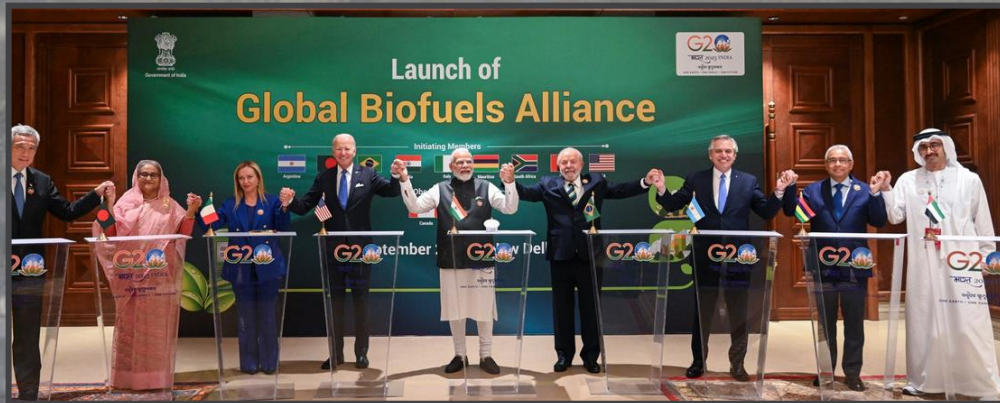


ECONOMIC

**Farmer's not able to earn anything from farm waste currently**



# Governments globally are pressuring businesses to move away from Fossil Fuels - setting up sustainability goals



Biofuels are expected to play a significant role in COP 28 targets

# Buyer's Dilemma



Every user irrespective of their sector require the following in fuel supply segment:

1. Reliability

Dedicated and reliable fuel supply source

2. Quality and Quantity

Assurance of Quality and Quantity

3. Lowest Value/GCV

Lowest Price value per GCV obtained

4. Financial transaction

Hassle free financial transactions regarding material received

5. Impact Measurement

Replacement of conventional coal and Impact measurement

# Sellers Challenges

The demand and requirement is fine but there are multiple issues at different ends and they are:



## Farmers

No structured selling points for farm waste

No discoverability on multiple buyers

Most biomass ends up burning or non commercial use



## Biofuel Manufacturers

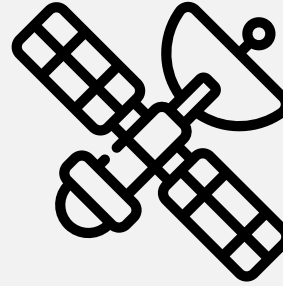
Limited access to sales points

Non-formalized setup – Proprietor firms

Not able to have longer payment cycles

No local quality checks

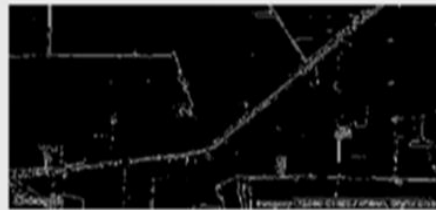
# CropBurning.in : Reduce cost of biomass collection through AI driven satellite imagery



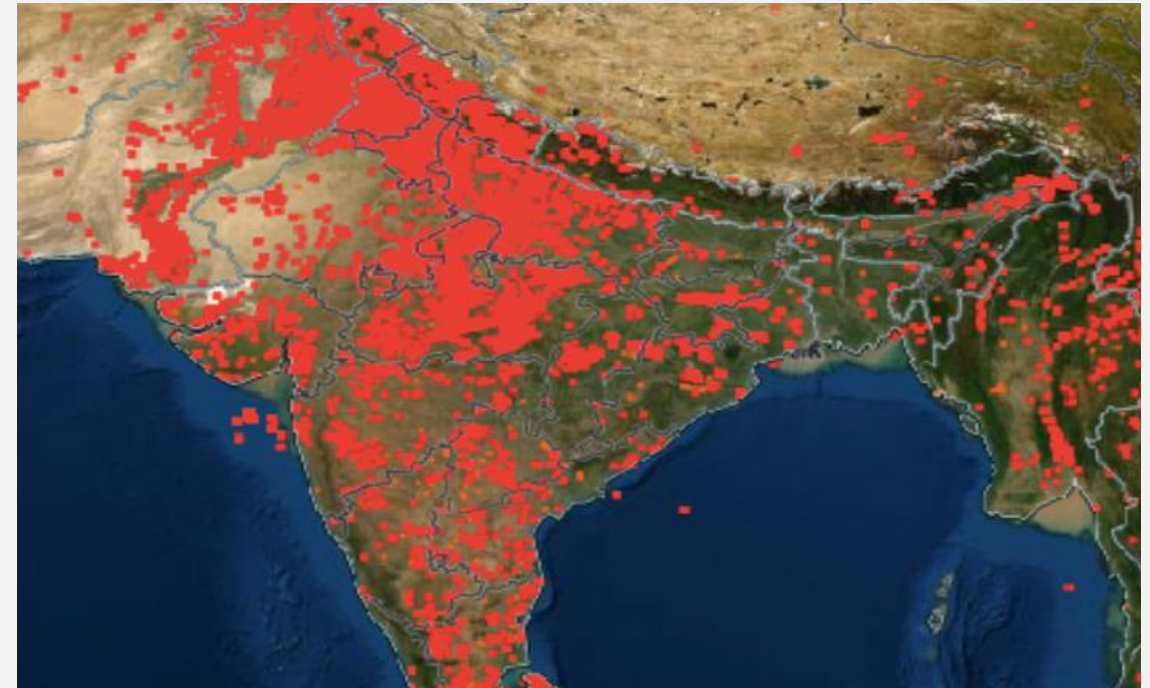
Automated straw identification processes for farmer entrepreneurs

Fire detection through geo imaging reduces cos of collection by ~12%.

Edge Detection



Color labelling of paddy



# What expertise does A2P bring?



10 years of experience working in biomass area as R&D, trust and finally as private limited company

## Biomass Fires

Understanding of climate and health consequences of open field biomass burning

## Collection

Technology for the large scale (satellite and AI based) identification of biomass

## Processing

Technology and expertise to produce first and second generation biofuels

## Market Making

A market-making platform for biomass and renewable fuels which is build from our experience and innovation in collection, supply and processing of Paddy Straw

# www.CleanEnergyTrade.com

*Biomass Digital Market Place*



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[Buyer](#)

[Seller](#)

[Commodities](#)

[Consulting](#)

[Contact](#)

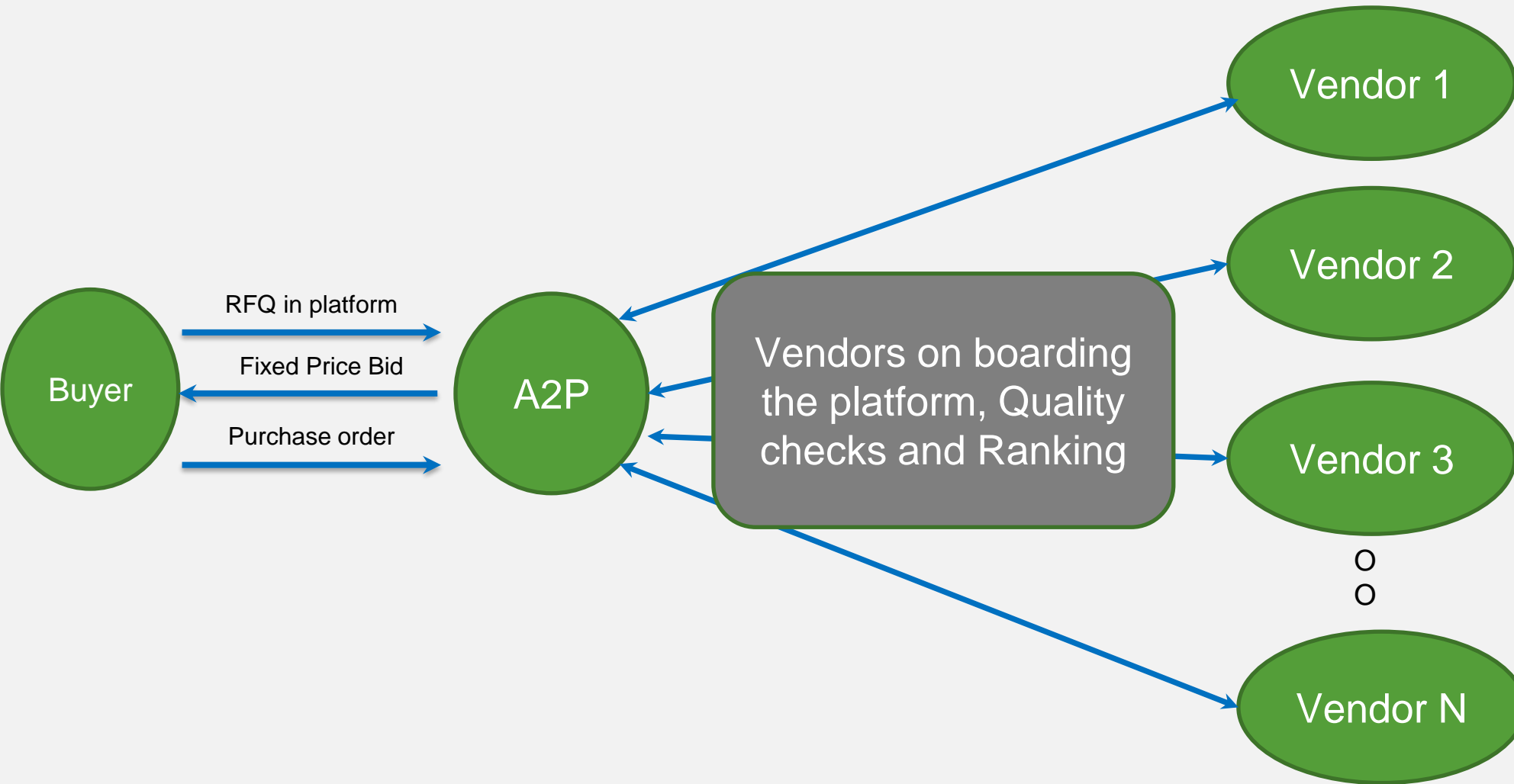
## Clean Energy Trade

Helping India Become Carbon Neutral  
Through Biofuel Usage

# A2P Energy's - Biomass Fuel Platform



**Biomass connects buyers of and sellers of biomass based fuel through out India**



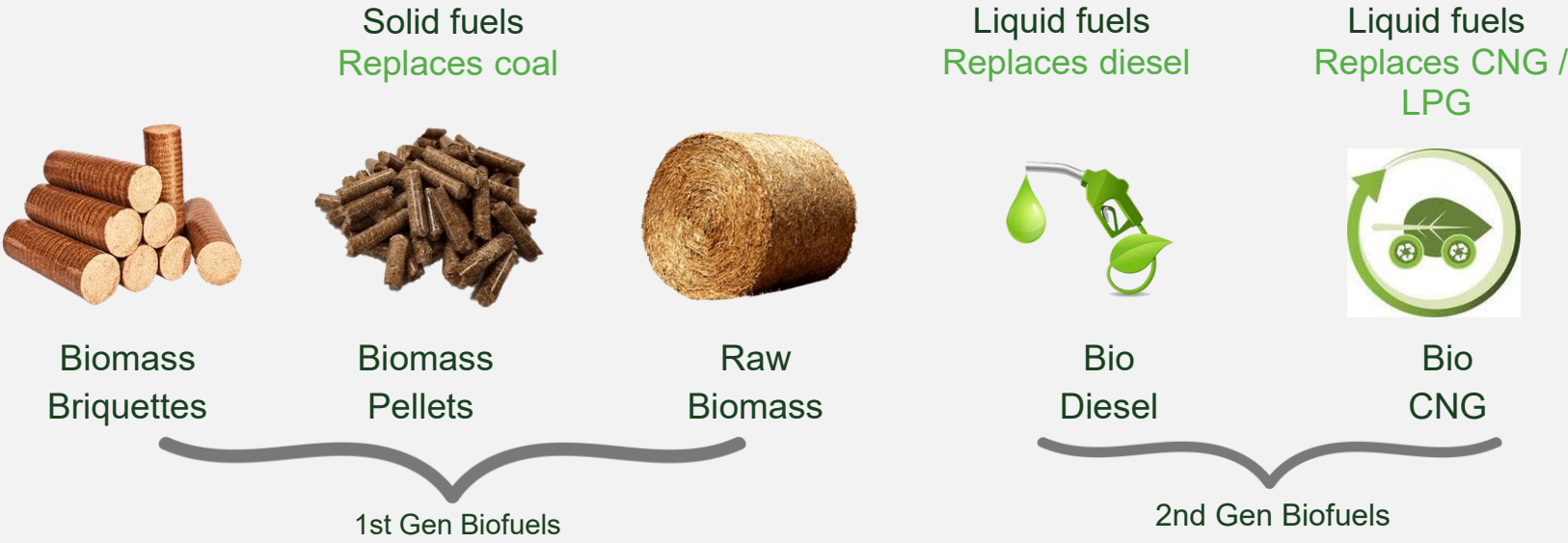
**Vendors:** On the ground visit /online assessment by A2P

**Area:** Depending upon Plant Location

**Impact: Buyer.** will also get an **impact dashboard** : coal replaced. pollution saved, farmers income generation etc

**Timeline:** Supply Start after 45 days from RFQ date

# We help you with faster adoption of Biofuels



Biomass absorbs carbon dioxide as it grows, offsetting emissions released during combustion, making net GHG emissions zero.

Since they're made from surplus agri-waste, they contribute towards circular economy

Base Materials  
(Agri-waste)



# Our Network



Company Owned/ Operated Manufacturing Locations  
Total Monthly Capacity: 4000 MT



Verified Partner Network Locations  
Total Monthly Capacity: 60,000+ MT

# Benefits of platform

## 1. Competitive Prices

Bidding mechanism ensures the competitiveness among manufactures which brings the overall prices down

## 2. Larger pool of Mfg.'s

Platform onboards multiple manufactures for a particular buyer and it ensures continuous supply if one supplier is unable to fulfil demands

## 3. Analytics Dashboard

Analytics Dashboard to evaluate data and better decision making

## 4. Impact reporting

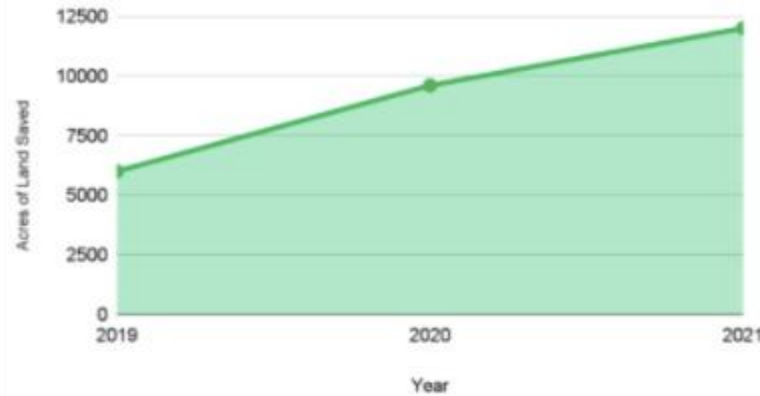
Impact reporting and dashboard through the platform

# Impact dashboard : will be generated for clients

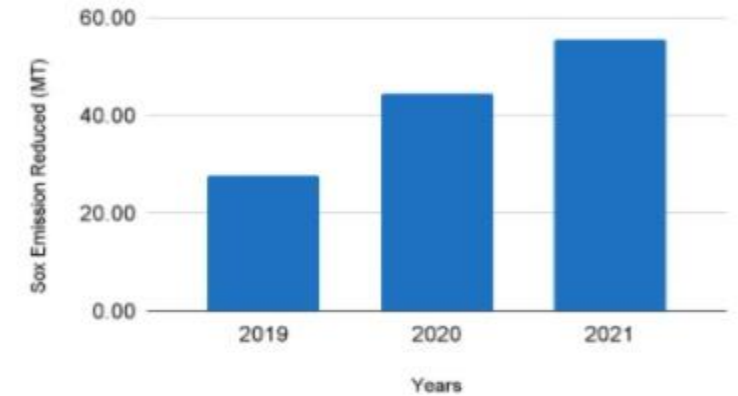
## Carbon Points Earned

Year	Carbon Points Earned
2019	21
2020	33.6
2021	42

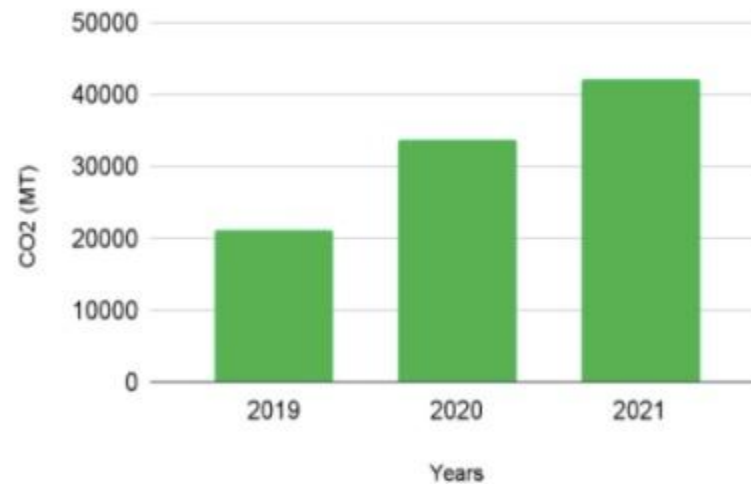
## Acres of Land Saved



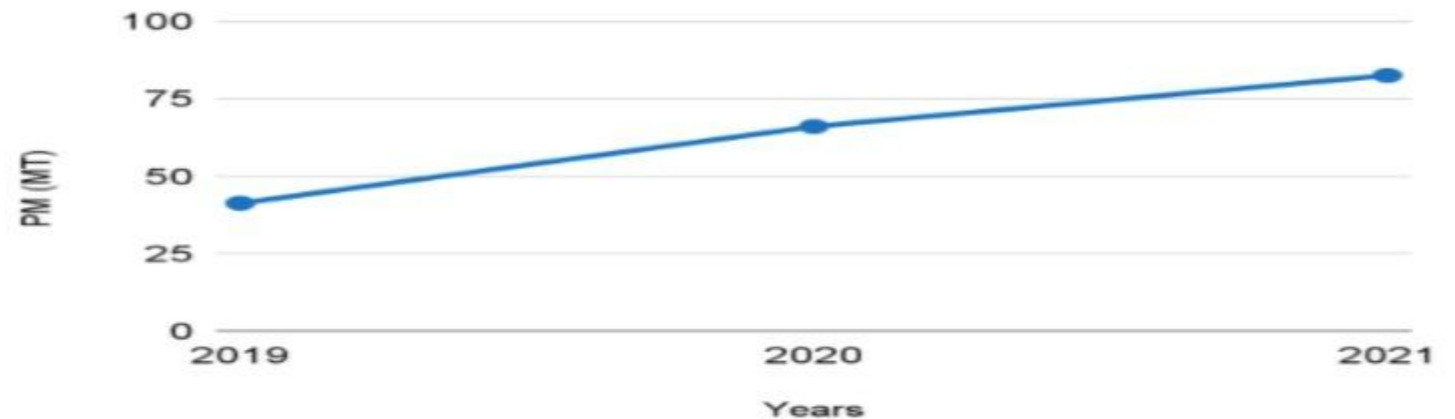
## Sox Emission Reduced (MT)



## Prevention of CO2 in to Atmosphere(MT)



## Prevention of PM in to Atmosphere (MT)



# Our Network

**250+**

biomass suppliers  
onboarded

**1000+**

Tonnes (average) of  
clean  
fuel supplied  
every month  
/ client

**30+**

large clients  
partners

**15+**

commodities  
traded on the  
platform



# Leadership Team with 110+ years of Rich Industry Experience



**Sukhmeet Singh**

Founder & CEO,  
ISB

- 20+ years in technology including 6 years as an entrepreneur
- Focused on climate change, biofuels and creating a positive impact



**Robert Berry**

Board Member  
Ex-head, European  
Bioenergy Research Institute

- 30+ years in development of B2B software for performance instrumentation & measurement of complex systems
- Leading capabilities in bioenergy and photonics



**Priyadeep Kaur**

Board Member, Product  
& Technology  
Symbiosis

- 20+ years of startup + corporate tech experience
- Launched multiple products/platforms like Sports Panther, CoWorkingOps and Prodigy Numbers and CleanEnergy Trade



**Prithish Chatterjee**

Sales & Growth,  
ISB

- 14+ years in B2B Sales.
- P&L leader - led sales and digital marketing
- Experience in the energy sector, online marketplaces, insurance.



**Nitin Gupta**

Strategy & Operations,  
ISB

- 18+ years in consulting, corporate strategy & business transformation recognized for driving growth.
- Hands-on leader; experience in setting up & scaling across 0 to 10 Cr (solving for Jio scale) and 100 to 500 Cr setups.



**Simranjeet Singh**

Partner Network &  
Supply Chain,  
Ex Reliance Power

- 12+ years In the power sector handling supply chain, production, quality and testing
- Hands-on supply chain leader with strong problem-solving capability

# Traction



**Winner: 1st Prize in StartUp India competition**

Tweeted by Govt. of India

- Eight Global and National Awards, including from UN
- More than 10 partnerships: R&D labs and Unilateral Organization like WWF and UN
- Featured in more than 30 press articles

## Partnerships



United Nations Award: Jan 2020

**#AirPollutionSolution  
Winners**

- A2P Energy Solution Pvt Ltd
- Urban Air Labs
- Pi Green Innovations Pvt Ltd

**Congratulations!**

#AccLabIndia

Winner of Global Maker Challenge: July 2019. Russia





Corporate Social Responsibility

## A2P Energy: How a tech platform is reducing agricultural pollution and increasing clean energy use in India

Alexis Raymond

A2P Energy  
won a global  
climate award  
of \$100,000  
from CISCO in  
Sep 2022



Cisco CSR  
@CiscoCSR



@A2pLtd from #India won the \$100,000 USD Climate Impact & Regeneration Prize in the 2022 @Cisco #GlobalProblemSolverChallenge!



They created an #AI-based platform that reduces GHG emissions by identifying biomass burning.  
[cs.co/6015MJshD](https://cs.co/6015MJshD)



Climate Impact &  
Regeneration Prize

\$100,000 USD



89 views

0:03 / 0:43



# Pictures of the operations



# Thanks



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