

MISSION ENERGY - GASIFICATION TORCHBEARERS

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SUTAINABILITY

We have no choice but to make
our life choices sustainable.
From farming to industrial
activities.

SUSTAINABILITY PORTFOLIO

Gasification & Heat Recovery
Equipment



SCHMIDTSCHACK

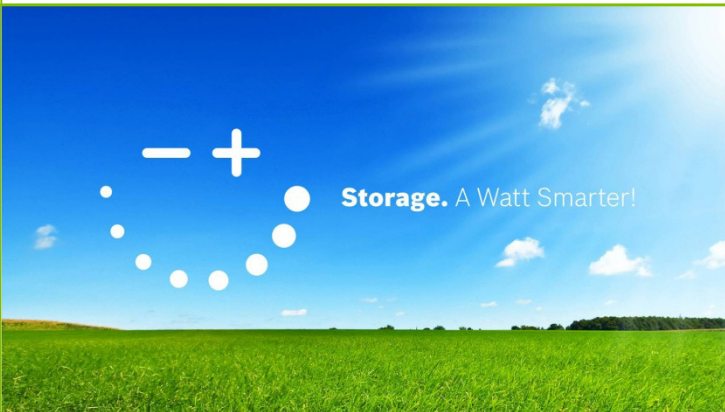
ARVOS GROUP

Gasification Technology

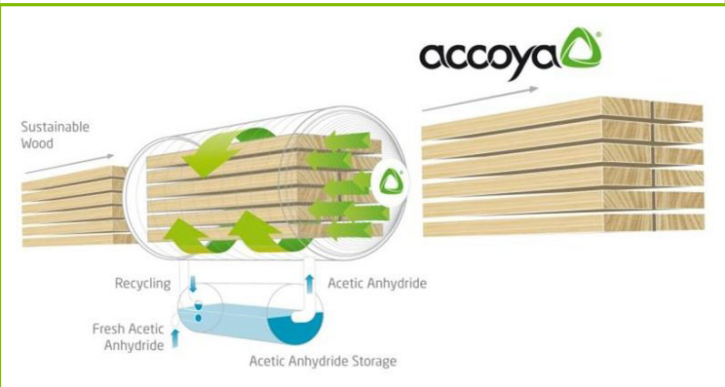


Formerly SHELL Gasification

Energy Storage Solutions



Sustainable Wood Acetylation



OPPORTUNITY FOR INDIA

Majority of the worlds economically advanced countries have made their foundation stronger backed by their ability to harness natural resources.

Skilled Manpower



Water, Farms, Fossils, Wind, Sun, Minerals

Although this has partially led to unsustainable growth, but the strong economic base has Created an opportunity to learn and adapt sustainable methods for farming to industry.

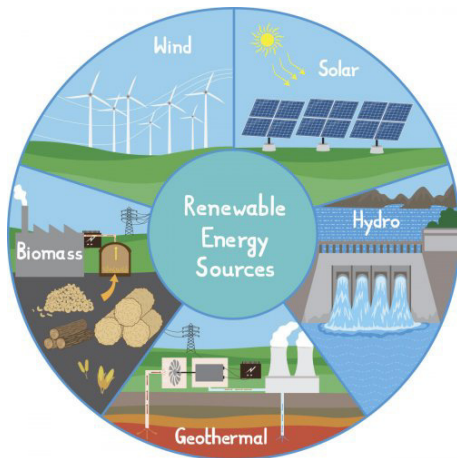
Global Warming, Pollution,
Farm Distress, Depletion of Water
Resources

Renewable Energy, Energy
Efficiency, Diversity Farming,
Alternative Fuels, High Degree of
Recyclability

OPPORTUNITY FOR INDIA

- India has historically harnessed its own coal but only for power production. In today's world India needs to leapfrog to sustainable power generation sources.
- Climate & water situation mandate that we should look for options to simple combustion based Generation. India needs action on all of the following

Renewable Energy Sources



Diversity Farming



Alternative Fuels

Types of Alternative Fuels

- Ethanol
- Natural gas
- Propane
- Hydrogen
- Biodiesel
- Electricity
- Methanol

An illustration of a corn plant with yellow cobs and green leaves, set against a light green background with circular patterns.

OPPORTUNITY FOR INDIA

Gasification in one of the main opportunities to create value & move up the sustainable chain

- High Value products like Chemicals and Alternative Fuels
- Saving Foreign Exchange
- Self reliant on its own resources
- Invest the value in sustainable power generation

WHAT DO WE NEED

TECHNOLOGY OR POLICY OR BOTH

Formalisation of:

IGC

Indian Gasification Council

MISSION

Promote & Encourage
Economic & Environmentally Sound
Policies & Technologies to produce chemicals, alternative fuels,
SNG, Hydrogen from multiple gasifiable feedstocks.

IGC- INDIAN GASIFICATION COUNCIL - ACTIVITIES

1. Focussed communication between industry & government for policy needs.

2. Gasification Technologies

- Thermal
- Steam Reforming
- Partial Oxidation
- Biomass
- Waste to Value

3. Gas Processing

- Shift
- Acid Gas Removal
- PSA
- Cryogenic
- Methanation

3. Project Facilitation

- Hydrogen – For Traditional Refining
- Chemicals
- Syn Fules
- Fertilizer
- Power

NEXT STEPS

- All interested individuals and companies are requested to reach out and expresses their intent to participate.
- After receiving the interest we will form a formal working committee under Chairmanship of Mr. Thomas Mathew.
- Working committee will take the lead for further steps.

Send your intent by email to:

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Subject: IGC