3H COMPANY, LLC

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Raise

$5,000,000 - $50,000,000

For slipstream and other projects

MARKET FOR CO_2 CAPTURE

Market Driving Force

(1) the global climate change,

(2) increasing demand on oil.

- In Texas, EOR now accounts for 20% of its oil production, it is estimated EOR production will result in revenue of $200 billion and will create 1.5 million jobs.

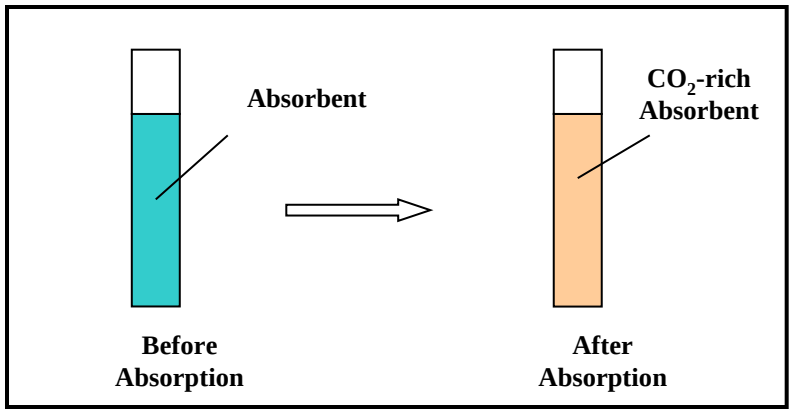
Demands for CO2 Capture Technology

- Enhance Oil Recovery
- Natural Gas Production
- Processes in Petrochemical Industry
- Processes in fertilizer Industry
- Power Industry

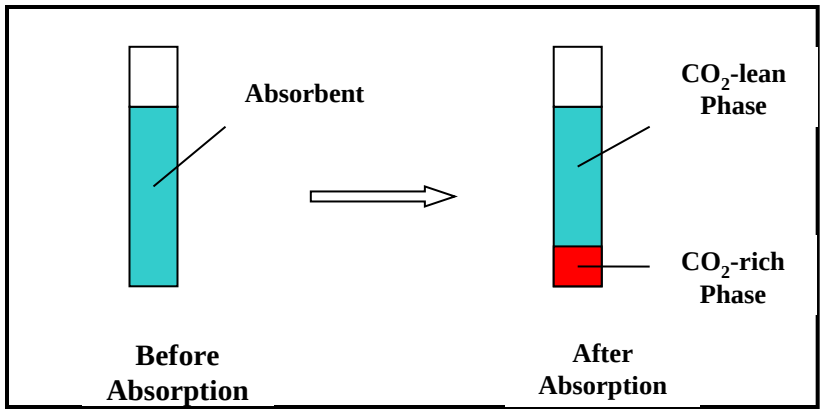
TECHNOLOGY

❖ Cost is only issue to win the market

❖DOE Call “90% Carbon Capture with less than 135% increase of Cost of Electricity



Traditional Absorption



3H’s Phase Transitional Absorption

❖DOE Benchmark Technology – 30% MEA over 180% increase of Cost of Electricity

❖ 3H’s Phase Transitional Absorption reached 135% increase of Cost of Electricity

❖5 Patents awarded

COMPETITION

- DOE funded multi dozen technologies last 3 - 4 years
- 3H’s technology is one of them

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MILESTONE, TIMELINE & BUSINESS MODEL

MILESTONE & TIMELINE

3 Key Milestones:

1. Small Lab Pilot (Completed)
2. Large Scale Integrated Pilot or Slip Stream (1 year duration*)
3. 0.1 – 10 MW Demonstration (3 months duration*)

* Tests on the existing facility. If no existing facility is available, the additional time is needed for building the facility.

BUSINESS MODEL

- Technology license + absorbent.

  $5,000,000 + $ absorbent
- Charge absorbent royalties of $5 to $10 per ton of CO2 captured. The $5 to $10 per ton of CO2 captured is all from the cost saving.

  for each 550MW power plant installation it will collect over $20 M to $40 M in royalties per year. Royalties would also be recurring and perpetual as long as the power plant uses the 3H absorbent.

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TEAM

Team

- Dr. Liang Hu, President
- Business accounting – Kring, Ray, Farley & Riddle, PSC
- Independent auditor – Wilke & Associates, LLP
- Business legal issues – 3 law firms.
- IP – Panitch Schwarze Belisario & Nadel, LLP.
- Advisory board (for commercialization) –

  Carl Bauer (Former Director of NETL)
  Dr. Len Heller (VP of Univ. of Kentucky Commercialization & Economic Development)

Strategic Partners

- LG&E and KU Energy
- Electric Power Research Institute
- Nexant
- WorleyParsons
- SaskPower
- Etc.

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RISK & SOLUTION

Risk

1. Regulatory/legislative or market risk – carbon capture as climate change is no longer an issue;
2. Implementation and construction risk – insufficient capacity to carry out the rapid increasing business.

Solution

1. Develop other CO2 capture technologies to use in the area of natural gas, petrochemical, fertilizer processes, etc., → Existing multibillion dollar market
2. Raise fund
3. Partner

Funding Support

- US Department of Energy
- Electric Power Research Institute
- National Science Foundation
- State of Kentucky
- LG&E and KU Energy
- SaskPower