



# CNERGREEN

Clean and Efficient Hydrocarbon Production

Ali Telmadarreie  
ali.telmadarreie@cnergreen.ca

# Enhanced Oil Recovery by GAS Injection

> 60% of all EOR

> 200 Projects

> \$10 Billion

market revenue, 2018

BUT...

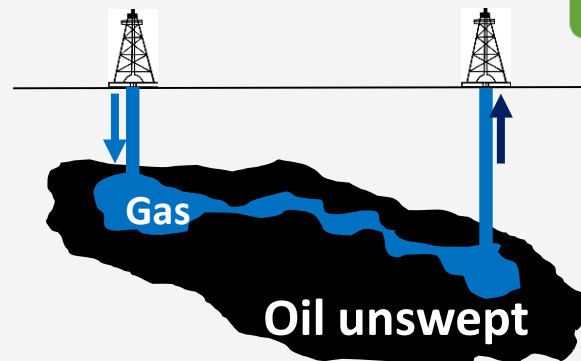
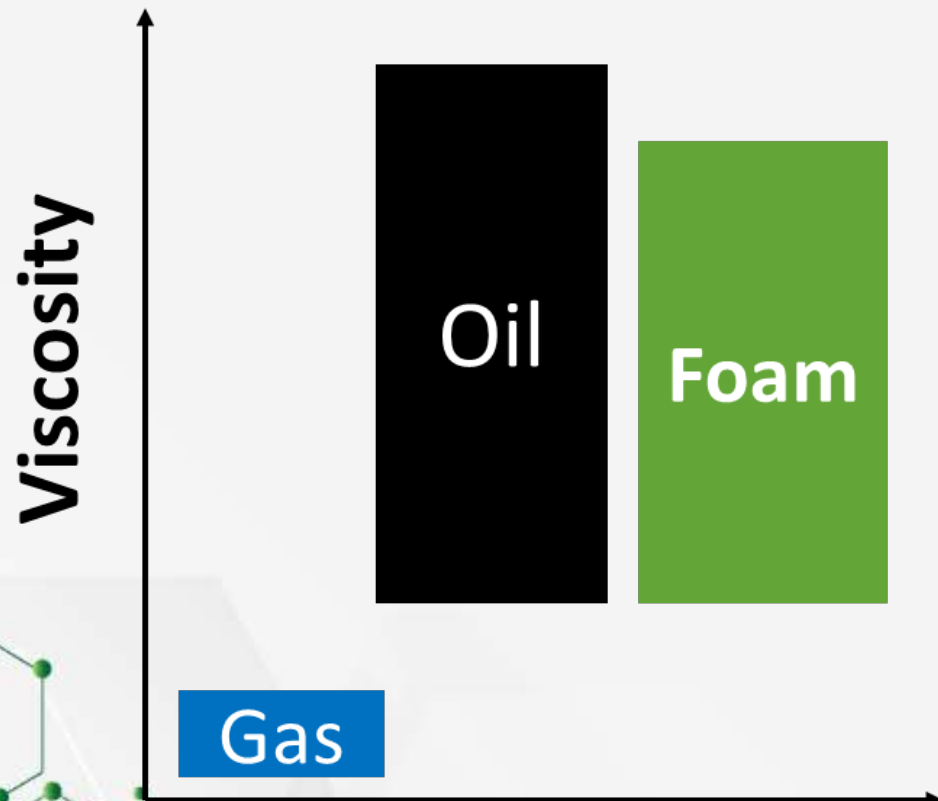
> 80%

oil left after gas  
Enhanced Oil Recovery



# Poor Sweep; Foam could be the Solution

But...



> 200 gas EOR projects

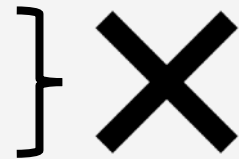
< 1 % Foam EOR projects

< 60 % technical success

# Why Conventional Foam is not the Solution YET?

## Stability at Reservoir Condition

Conventional foams



Low technical success rate

CnerFoam

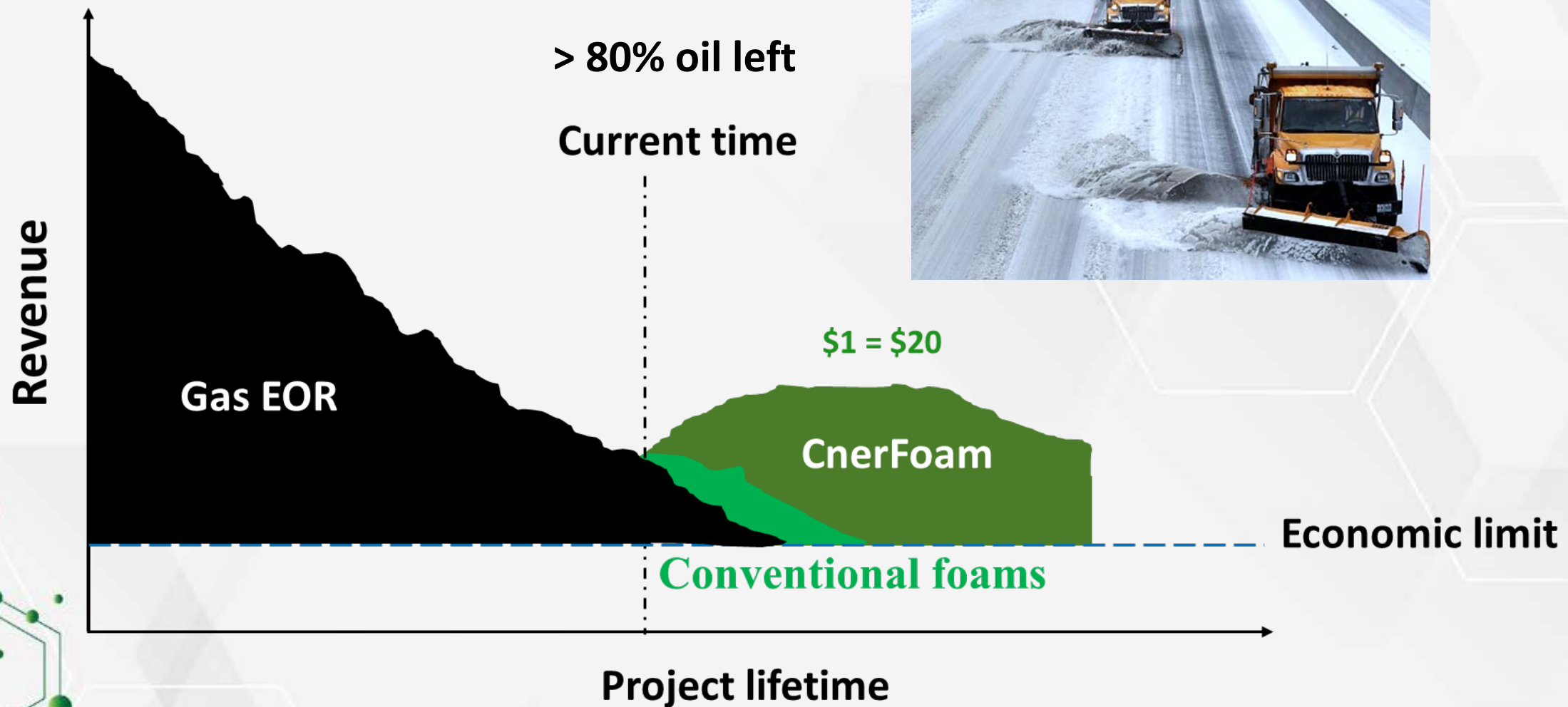


Patented Technology



CNERGREEN  
Clean and Efficient Hydrocarbon Production

# Benefits



# Market Approach



**BASF**  
We create chemistry

**PRAXAIR**

**THE LINDE GROUP**

**Nissan Chemical America Corporation**

**DOW**

**CNERGREEN**  
Clean and Efficient Hydrocarbon Production

**Gas & Chemical**

**CnerFoam**



**Sinopec**

**bp**

**equinor**

**ADNOC**  
أدنوك

**PEMEX**  
POR EL RESCATE DE LA SOBERANÍA

**TOTAL**

**Husky Energy**

**Small operators**

**Field Trial**

# What CNERGREEN Offers



## Licensing

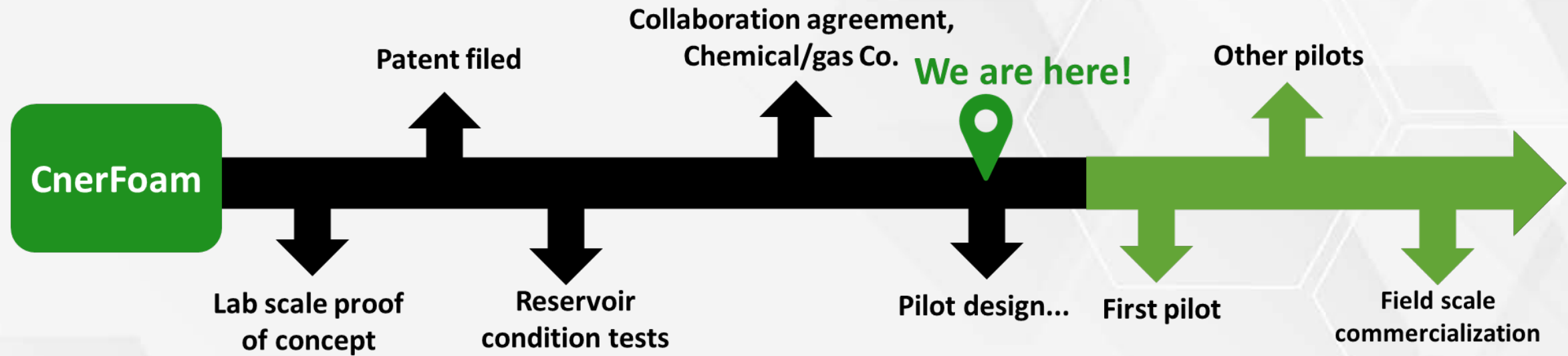
License technology



## Technical services

- ✓ Material selection
- ✓ Field injection strategies
- ✓ Cost estimation
- ✓ Revenue expectation

# Development Roadmap





# CNERGREEN Team



**Steven L. Bryant, Ph.D.**

**Founder**

Experienced in fluid flow and **novel materials** for EOR



**Ali Telmadarreie, Ph.D.**

**Founder/CEO**

Experience in **foam** EOR, lab & pilot design



**Kevin Watts**

**Adviser**

Global experience in **industrial gas** market for EOR

# CnerFoam for efficient oil recovery



**CNERGREEN**  
Clean and Efficient Hydrocarbon Production

Partners to accelerate  
the commercialization

[ali.telmadarreie@cnergreen.ca](mailto:ali.telmadarreie@cnergreen.ca)