



Revolutionizing and Digitizing Corrosion Monitoring and  
Detection for Industrial Assets

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The background of the slide features a complex industrial facility with numerous stainless steel pipes, valves, and large storage tanks. A worker in a white hard hat and a high-visibility vest is visible on the right side, looking towards the left. The overall aesthetic is industrial and technical.

**Microbial Corrosion (MIC) is a  
\$1 Trillion Problem for Industrial Assets**



**Global corroded steel replacement  
accounts for 1200 Mt CO<sub>2</sub> each year!**

# Traditional Measurement Methods are Slow and Inaccurate



On-Site Test kits  
(5-15 days)

Only shows microbes in fluid  
not pipeline surface, false  
negatives



Coupon left in pipeline  
(3 months – 1 year)  
Too late to mitigate as the  
damage already occurred



Off-Site Lab Testing  
(1-3 Months)  
Contamination and Lab error  
risk

# Corrolytics' Patented Technologies Solves All Three of Those Problems

Patent No: US 11,674,885 B2



- **Fast:** Results in **hours** rather than months
- **Accurate:** On-site detection, **85% accuracy**, prevents contamination
- **Effective:** Differentiating **Microbial Corrosion** from other types

# Solution Offering

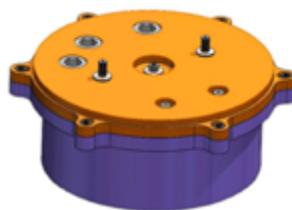
## In-Lab Testing Services



MIC In-Depth Testing Using  
Corrolytics Technology

**CORROLYTICS**

## Onsite, Near Real-Time Test Kit Hardware and Software



MIC kit  
Consumable



Electronics  
One time purchase



Software licensing  
Yearly Subscription

# Seamless to Use and Integrate in Existing Operations

## Step 1



Collect fluid samples from Assets

## Step 2



Insert the fluid samples in the Test Kit

## Step 3



Receive corrosion rates

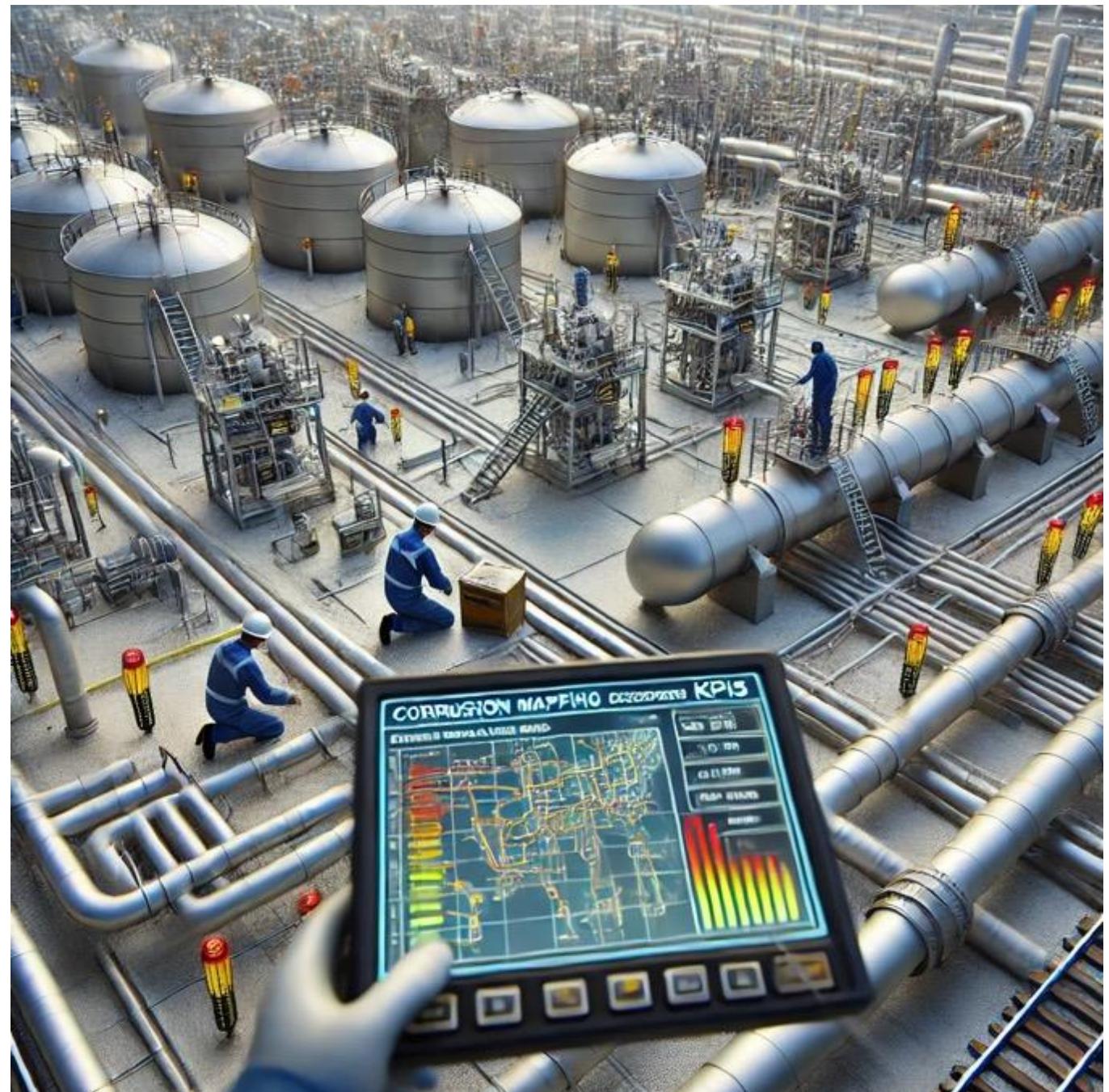
# Rugged Electronics for Precise Data Transmission & Analysis

**Geotagging Capabilities:** Tracks exact locations for better asset management.

**Satellite Data Transmission:** Sends data remote areas.

**85% Data Accuracy:** Provides informed decision-making.

**Rugged Design:** Built for harsh environments and rough terrain, ensuring durability and reliability.



# Software: Comprehensive Corrosion Monitoring and Predictive Insight Platform



**Data History  
& Insights**



**Predictive and  
Failure Analysis**

# Corrolytics' Value Proposition



Optimizing Biocide Use



Extend asset lifespan



Prevent shutdown losses  
\$1.8M/day\*

# Corrolytics' Competitive Advantage

Company Name				CorrConsult			
Determine Presence of microbes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Differentiate microbial Corrosion	Yes	No	No	No	No	No	No
Provide microbial Corrosion Rate	Yes	No	No	No	No	No	No
Evaluate Biocide Efficacy	Yes	No	Only Biofilm Thickness	No	No	No	No

Green: advantage Red: disadvantage





## Founding Team



Anwar Sadek  
CEO, Co-Founder



Sai Prasanna Chinthala  
CTO, Co-Founder



Chelsea Monty-Bromer  
Scientific Adviser and Co-Founder



Dave Lafferty  
Energy Business Dev  
Advisor



Larry Kremer  
Energy Business Dev  
Advisor



John P. Anerousis  
CBDO



Gene Groys  
EIR  
Jumpstart & BOUNCE



Jim Lemay  
Corporate Development  
Executive



Paul Stupay  
Chief Strategist & Founder

## Supporting Organizations

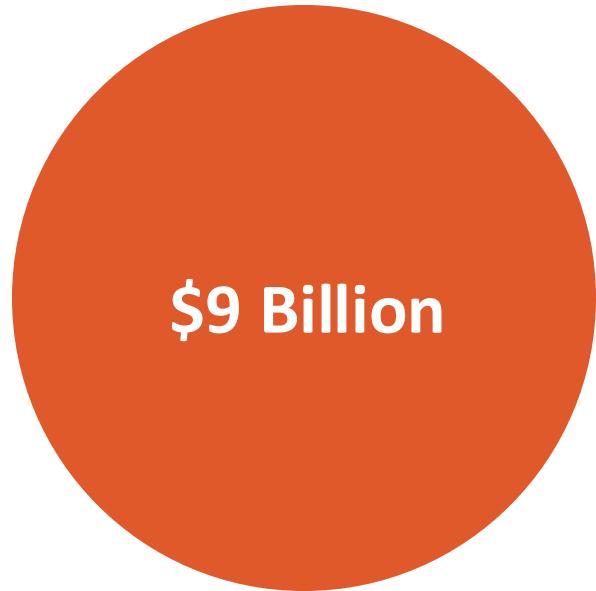


# Oil & Gas is Our Target Beachhead Market

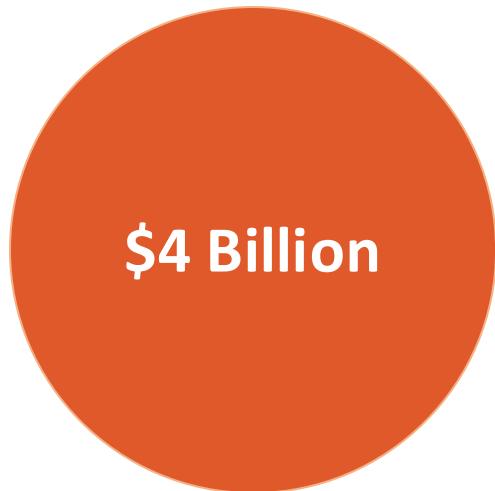


The financial impact of corrosion exceeds **\$13.4 Billion** and **MIC** alone is more than **\$2 Billion**.

# US Oil & Gas is ~10% of TAM



**TAM**  
Global MIC Monitoring &  
Control (M&C)



**SAM**  
U.S. MIC M&C

CAGR 5.1% 2022-2027



**SOM**  
U.S. Oil & Gas M&C

# Go-To-Market, Sales, and Mfg. Strategy

## Strategic Alliance

Partner with major oil and gas companies.

Partner with Chemical Service providers for sales & services channels.

## Direct Sales

Leverage existing relationships from our 300+ Customer Discovery contacts

In-lab Testing

## Marketing

Present at AMPP Conference

Corrosion Magazine Advertisement

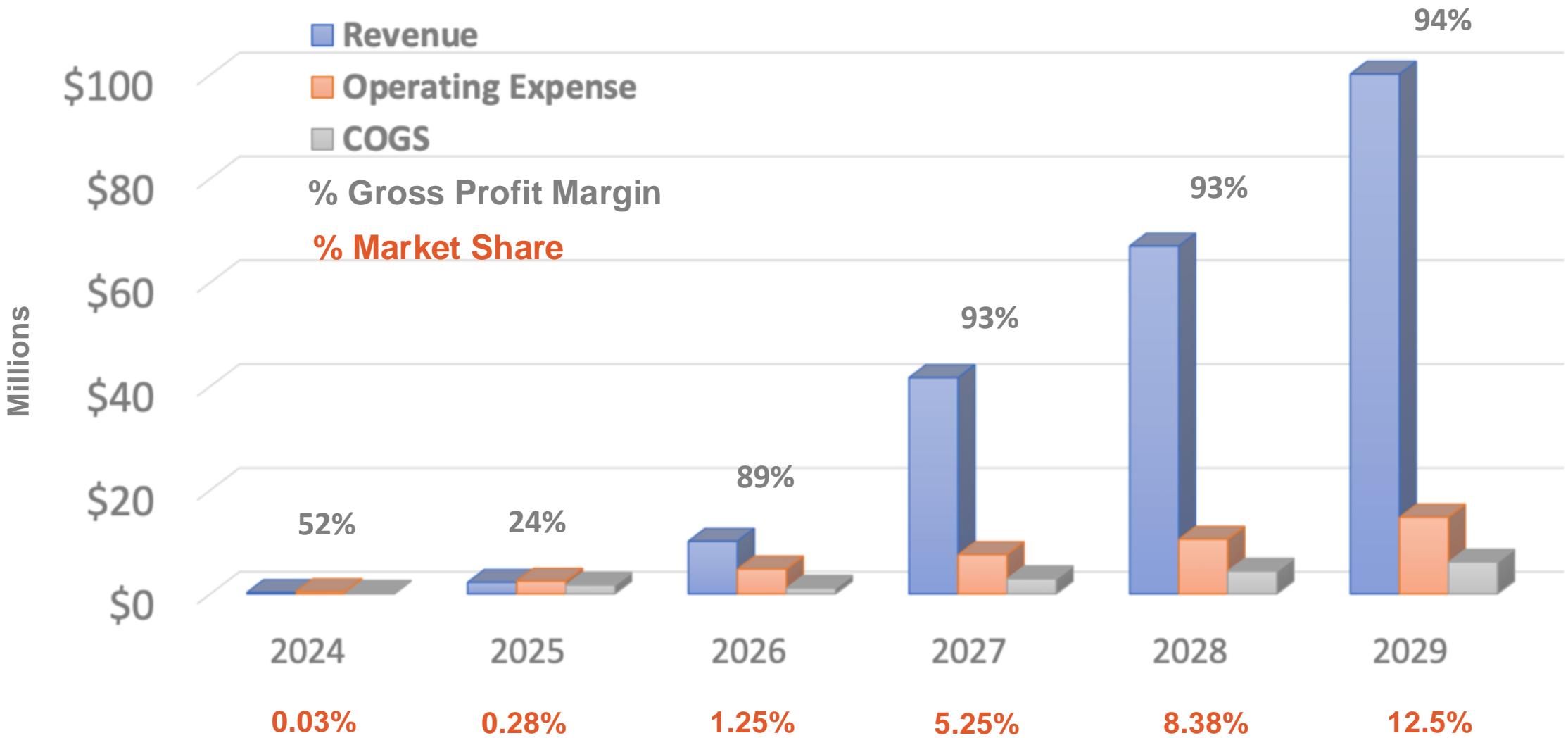
Publish Case Studies and Research Journals

## Manufacturing

Third-party Mfg. relationship established

Ready to scale as needed

# O&G Financial Projections



# Traction Progress: Key Milestones and Achievements

Contracted Revenue from In-Lab testing • Q4 2023: \$100,000+ • 2024: secured contract \$300K

## Customers



## Raised \$1M working capital



National  
Science  
Foundation



## Technology Readiness Level: 6

Fully validated prototype using real-world samples

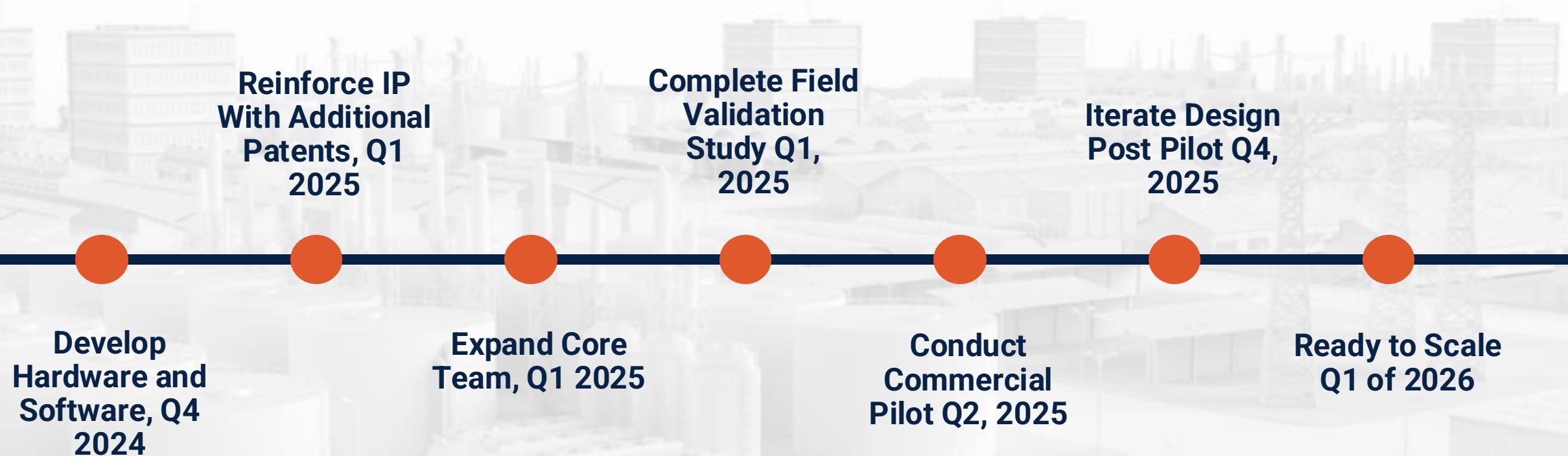
## Awarded

Most Promising Energy Tech Company & Peoples Choice Award

at the 2024 Rice Alliance 21<sup>st</sup> Annual ETVF

# Securing \$3M in Seed Funding: Fueling Our Next Growth Phase

## Use of Proceeds to reach TRL 9



We are currently seeking additional Industrial Partners to deploy our technology to enhance asset integrity

# Why Invest Now?



## Team

Corrolytics has the right people with the right know-how



## Validated Unique Technology

An innovative leap, not just incremental



## Traction

Outstanding market traction with promising growth

A background image of a complex industrial facility with numerous pipes, valves, and machinery. A worker in a white hard hat and orange safety vest is visible on the right side, looking towards the left. The overall atmosphere is industrial and technical.

# Thank you CORROLYTICS™

For more information, contact:

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