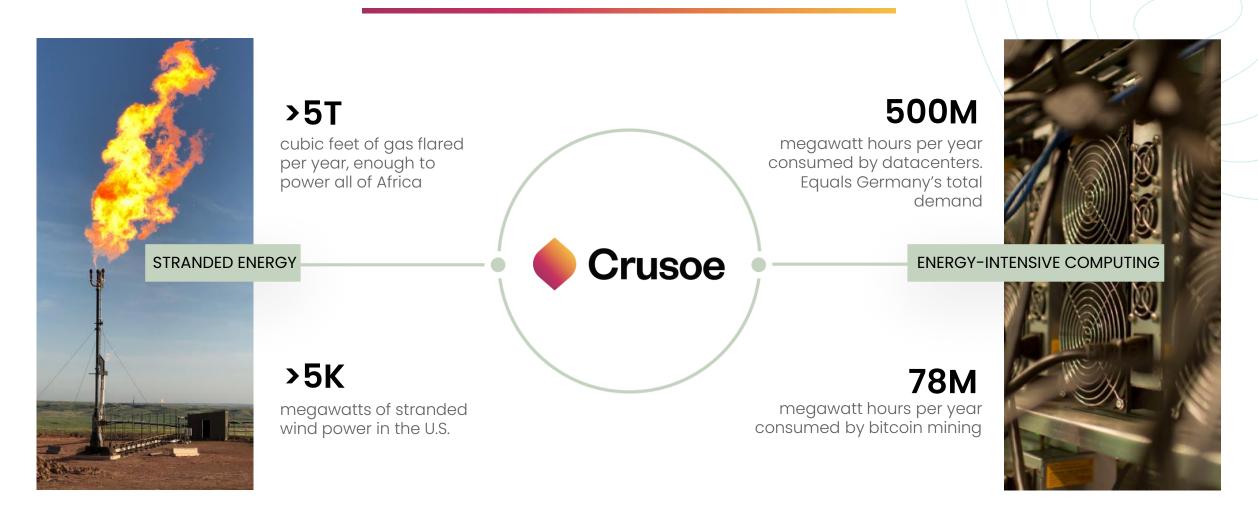


## Broken links of energy supply and demand



Flaring negatively impacts operators through regulatory penalties, production curtailments, negative PR and investor pressure.



### Digital Flare Mitigation®

- Crusoe converts "stranded" natural gas into electricity for energy-intensive computing at the well site
- Digital Flare Mitigation® ("DFM") solves critical regulatory and environmental challenges for oil and gas companies by achieving beneficial use, reducing flaring and lowering emissions

Crusoe's Objective: help operators solve the regulatory and environmental challenges of stranded gas





#### Why Digital Flare Mitigation®?

- DFM is the most cost-effective solution for flare mitigation
- Modular design allows for rapid turnkey deployment and mobilization
- Scalable to many mmcfpd
- High reliability with few failure points



### Patented Digital Flare Mitigation® System



- The Digital Flare Mitigation® system is a mobile and modular assembly of power generation, computing and remote telecommunications components optimized specifically for stranded gas resources
- Designed for rapid commissioning, rugged oilfield conditions and modular scalability



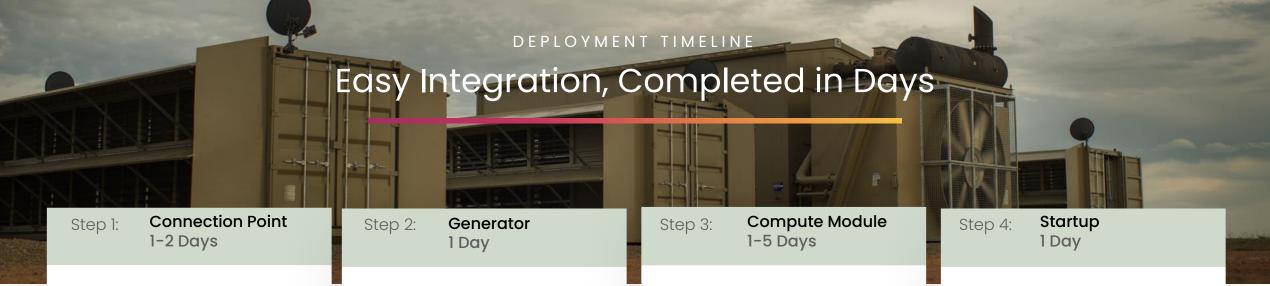
### Plug-and-Play Gas Capture Service

#### Commercially structured as a modified Gas Purchase Agreement



- Crusoe purchases the excess gas from the operator at a designated "Delivery Point" on the wellsite, creating a transfer of custody and establishing a basis for royalty payments and tax revenue.
- Crusoe provides and installs all Digital Flare
  Mitigation® equipment on site and manages all
  maintenance and operations beyond the Delivery
  Point.
- Crusoe's producer partners generally bear little to no cost, so DFM represents a truly free solution to natural gas flaring.





- Operator provides simple manifold and valve to existing gas line
- Typically, manifold connects directly onto line leading to flare

Minor dirt work performed in

preparation for deployment

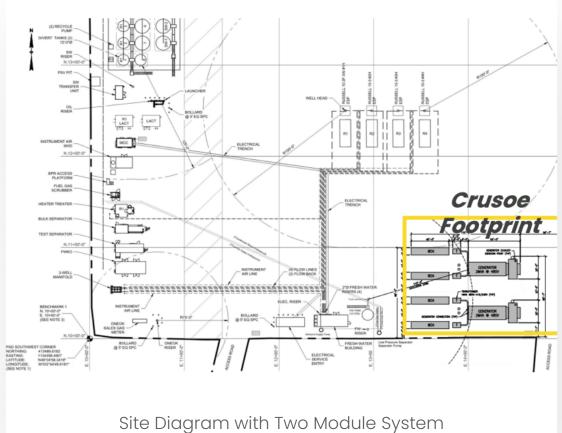
- Generator system delivered on portable trailer or skid
- Computing modules delivered by truck
- Computers installed within modules
- Satellite antennae installed and aligned after delivery

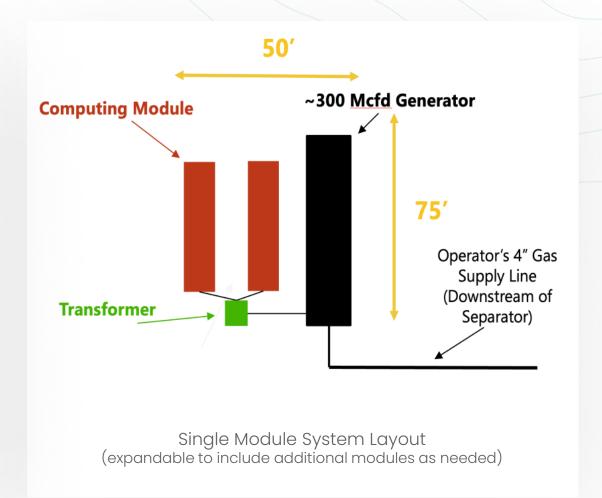
- Computing modules connected to generator
- Generator energized
- Flare becomes back-up gas plan

Gas Specifications			
Minimum MCF	вти	PSI	H2S
>300mcfpd	900-2500	30-150 PSI	<20ppm



## Compact Footprint

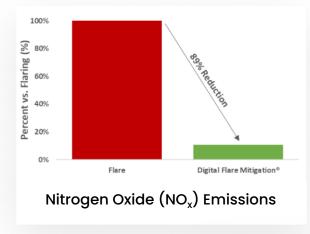


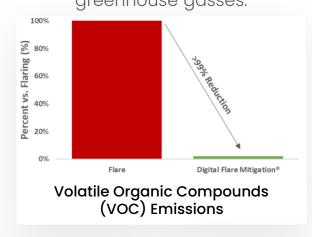


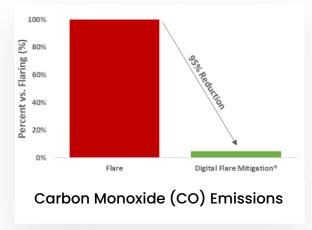


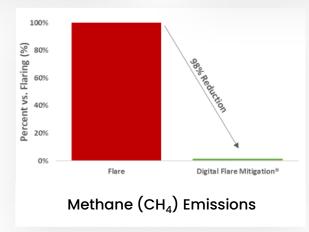
### Crusoe Environmental Benefits

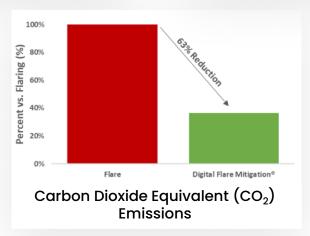
Relative to flaring, Crusoe's Digital Flare Mitigation® technology achieves deep reductions in emissions of methane, volatile organic compounds (VOCs), nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), smog-forming compounds and CO<sub>2</sub>-equivalent greenhouse gasses.











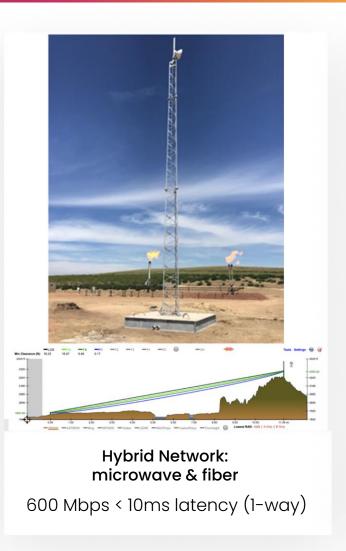


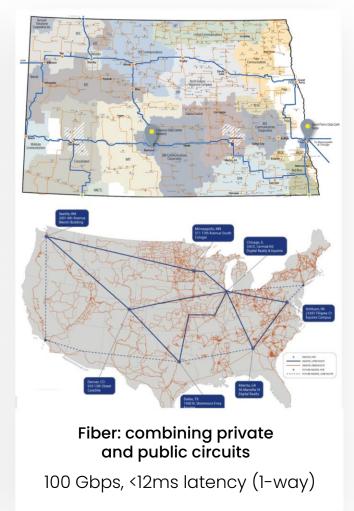
## Crusoe Digital Pipeline Architecture





Satellite: 40+ connections redundant satellites 25Mbps, ~600ms latency (1-way)







### Achieve Gas Capture Without Midstream Infrastructure

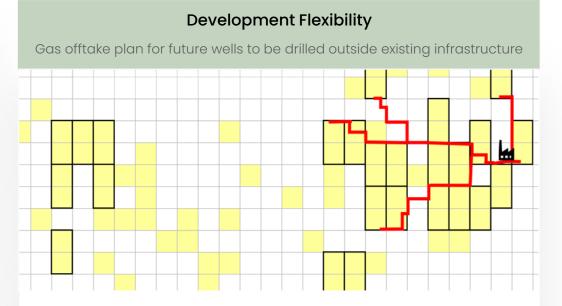
#### **Existing Flare Gas**

Superior gas-capture alternative for producing wells that are currently flaring



#### **Use Cases**

- · Producing wells without midstream infrastructure
- Delayed pipeline arrival
- Extended gas plant downtime
- Pipeline capacity challenges
- Joint power generation



#### **Development Flexibility**

- Drilling exploratory or step-out wells ahead of pipeline build
- Satisfying expiring leases outside of existing infrastructure service areas
- Delineating acreage prior to formal midstream agreement, avoid or postpone minimum drilling commitments



### Case 1: Right-of-Way Issues



#### Topography

Badlands and other natural features have caused midstream challenges for years

Severe topography has no impact on DFM effectiveness



#### Surface Owner Challenges

Inability to get Right-of-Way agreement executed by Surface Owner(s)

#### Digital Flare Mitigation®:

- Delivers solution for stranded locations which may never justify or realize permanent gas takeaway infrastructure
- Creates an opportunity to monetize gas that would have otherwise been flared.



#### PRODUCING OIL WITH GAS TAKEAWAY LIMITATIONS

### Case 2: Midstream Constraints

Constraints in compression or processing capacity can leave a well without gas takeaway for extended periods of time due to third party infrastructure limitations

- Gathering System Capacity Limits
- Extended Gas Processing Plant Downtime

- Interruptible Gas Contracts
- Compressor Station Issues

#### Digital Flare Mitigation®:

- Allows operator to continue producing oil despite midstream constraints while mitigating the risk of regulatory violations and reducing emissions
- · Operates reliably and independently regardless of infrastructure performance



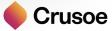


GAIN COMFORT IN DRILLING WELLS PRIOR TO INFRASTRUCTURE INVESTMENT

### Case 3: Exploration Wells & Acreage Delineation

#### Digital Flare Mitigation®:

- Provides flexible flare mitigation solution during the acreage delineation phase before entering midstream contract with more rigid minimum volume commitments
- Acts as stop-gap prior to arrival of pipeline through easy mobilization
- Solves ESG and compliance challenges while evaluating performance of exploration wells



# Management Team, Organization Structure



NITIN PERUMBETI CTO



MATTHEW DENEZZA CFO



CHASE LOCHMILLER CEO & Co-Founder



**CULLY CAVNESS** President & Co-Founder

#### Operations / Engineering



SHAYLA MARTIN Project Engineer



KEN PARKER

**BROOK KIMBER** Director of Purchasing & Basin Manager-



DEBBIE MEEKS Mechanical & Administration



VP Facilities Engineering Project Engineer



NICK CORREDOR Field Operations

#### **Finance**



JAMIE ZYNGER Controller



MARIAM NAZEMI Senior Financial Analyst



MARK NOWAKIWSKY Financial Analyst

#### **Business Dev**



ANDREW LIKENS **VP Business** Development



ANNA PIERINI Business Development Manager

#### Software / Networking



CAGRI AKSAY **VP Software** Engineering



SYLVAIN VAILLANCOURT Director of Network Architecture



### Investors and Capital Resources





Polychain Capital

















- \$600k Series Seed-1 funded by founding team in late 2018
- \$4.5 million Series Seed-2 led by Bain Capital Ventures and Founders Fund, closed in early 2019
- \$30 million Series A led by Bain Capital Ventures and KCK, closed in early 2020
- \$40 million project financing facility with Upper90 closed in parallel with Series A
- \$20 million equipment financing for generators from multiple lenders
- \$15 million in additional flexible and credit-based financing
- \$128 million in Series B equity financing, closed in early 2021



### **Key Points**



- Flare mitigation and regulatory compliance
  - · Achieves a bona fide beneficial use and 3rd party gas offtake plan
  - Reduces flaring, waste and emissions of NO<sub>x</sub>, SO<sub>x</sub> and VOCs (smog precursors)
- Opportunity to earn gas revenue on stranded wells
  - Monetizes unmarketable production at little or no cost to the operator
- Modular, easily mobilized and scalable to match available gas resource
  - Accommodates as little as 300 mcfpd up to many mmcfpd, adding or subtracting modules as gas resource changes over time
- Fast implementations
  - Commissions Digital Flare Mitigation® services in days once components arrive on-site
  - Requires system delivery lead time of several weeks to several months dependent on gas volumes
  - Enables operator to avoid lengthy land acquisition, right-of-way negotiation or pipeline permitting process
- Flexible deal structures and applications to fit operator's need
  - Involves no minimum drilling commitments or onerous volume guarantees
  - Adapts to interruptible gas volumes



