From Environmental Burden to Economic Engine:

Transforming Flare Gas into Value

Innovative solutions for energy companies seeking to reduce emissions while ceating new revenue streams from previously wasted resources.

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The Problem of Flaring Associated Gas

4%

Methane Release

Percentage of methane released into atmosphere during flaring

80x

Environmental Impact

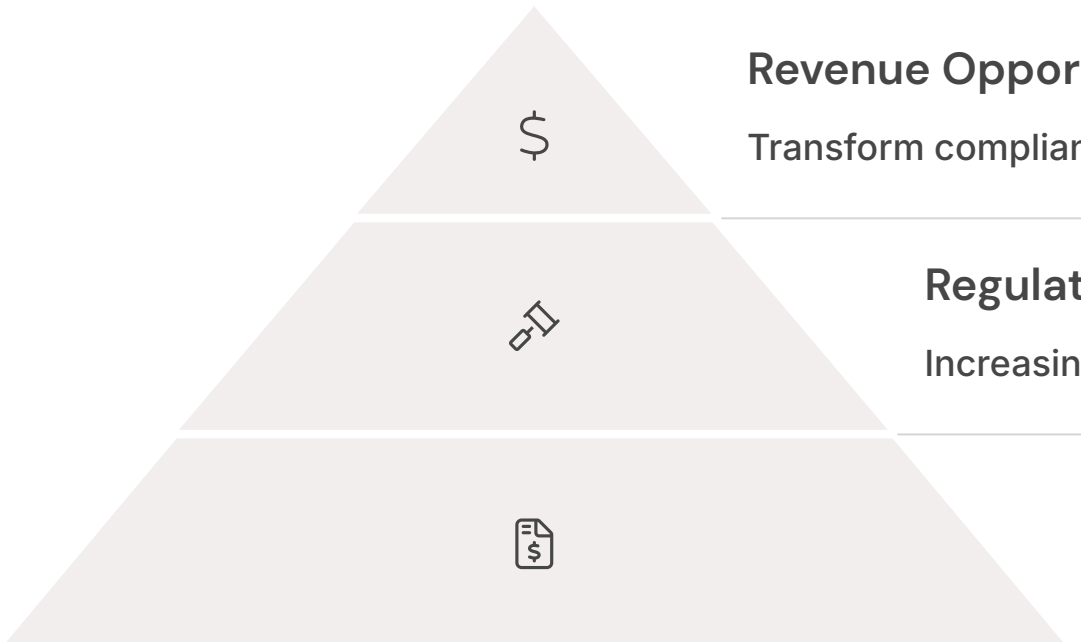
Methane is 80 times more harmful than CO_2 as greenhouse gas

150B

Cubic Meters

Annual global flaring volume wasted rather than utilized

Environmental Compliance Challenges



Revenue Opportunity

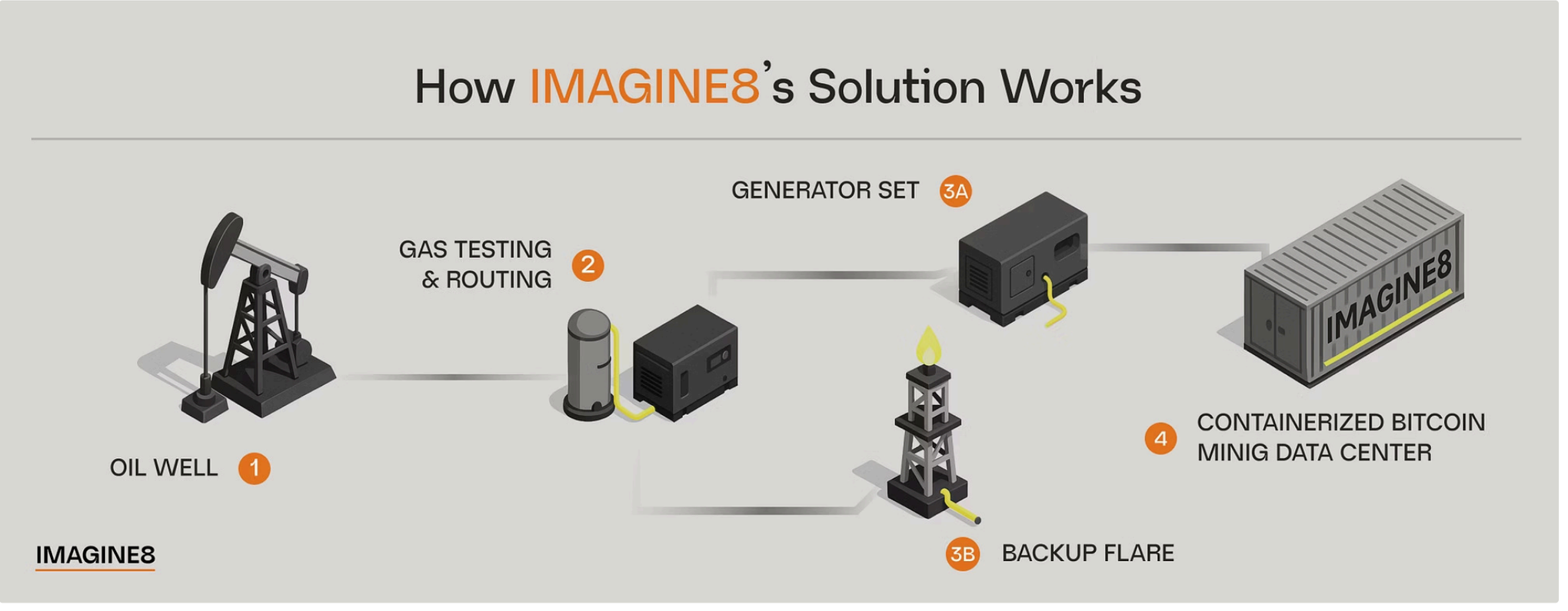
Transform compliance costs into profitable ventures

Regulatory Pressure

Increasing enforcement of flaring restrictions worldwide

Financial Burden

Companies face substantial fines for harmful emissions



Our Solution: On-Site Gas-to-Power Generation

Capture Flare Gas

Redirect wasted gas to power generation units

Generate Electricity

Convert gas to power with efficient combustion engines

Zero Methane

Eliminate methane emissions completely through proper combustion

Advanced Power Generation Technology

Modular Design

Scalable units from 100kW to multi-MW configurations to match flare volumes

Remote Monitoring

24/7 operational oversight with real-time performance analytics

Rapid Deployment

Installation within weeks, minimizing production disruptions

Ruggedized Construction

Built for harsh environments and remote locations

Carbon Credit Generation

Baseline Measurement

Document current flaring volumes and emissions

Implementation

Convert flare gas to electricity, reducing methane to 0%

Credit Issuance

Receive tradable carbon credits for verified reductions

Verification

Third-party validation of emission reductions

Digital Asset Mining as Power Consumer

Ideal Power Consumer

Bitcoin mining offers flexible load and can be deployed anywhere electricity is available.

Mining operations can scale up or down based on available gas volumes.

Energy Conversion Metrics

1 Bitcoin = 272,000 m^3 of flare gas

1,000,000,000 m^3 flare gas = 3,683 Bitcoin

Investment Analysis

ASIC Model	Efficiency ($/kWh)	Total CAPEX	Annual Revenue	Payback (years)	ROI
M60S	$0.11	$2,506	$971	2.58	39%
M50S	$0.08	$1,860	$692	2.69	37%
M30S	$0.06	$1,741	$529	3.29	30%

Implementation Timeline

Site Assessment

2-3 weeks

- Gas analysis
- Volume measurement
- Site logistics

Equipment Deployment

3-4 weeks

- Generator installation
- Mining infrastructure
- Gas collection system

Commissioning

1-2 weeks

- System testing
- Optimization
- Staff training

Full Operation

Ongoing

- 24/7 monitoring
- Performance reporting
- Carbon credit verification

Triple Bottom Line Benefits

Environmental Impact

Eliminate methane emissions from flaring completely. Reduce CO2-equivalent emissions significantly.

Financial Returns

Generate new revenue streams. Convert compliance costs into profit centers.

Social Responsibility

Demonstrate leadership in sustainable practices. Improve relationships with communities and regulators.

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