



OIL AND GAS CLIMATE INITIATIVE



# Methane Mondays

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OUR MEMBER COMPANIES

aramco



eni



Exxon



## THE INITIATIVE : LOWER CARBON VIA COLLECTIVE ACTION & PARTNERSHIPS

- CEO-led
- Voluntary
- Ambitious
- Additional
- Action oriented



PARIS2015  
IN CLIMATE CHANGE CONFERENCE  
COP21-CMP11

Paris  
Agreement

### Our Focus

CCUS

Role of  
Gas

Transport

Energy  
Efficiency

Low Emission  
Opportunities

Natural  
Climate  
Solutions

## CLIMATE INVESTMENTS: LOWER CARBON VIA INVESTMENTS

### INVEST

Invest in innovations targeting heavy-emitting sectors, to maximize climate impact

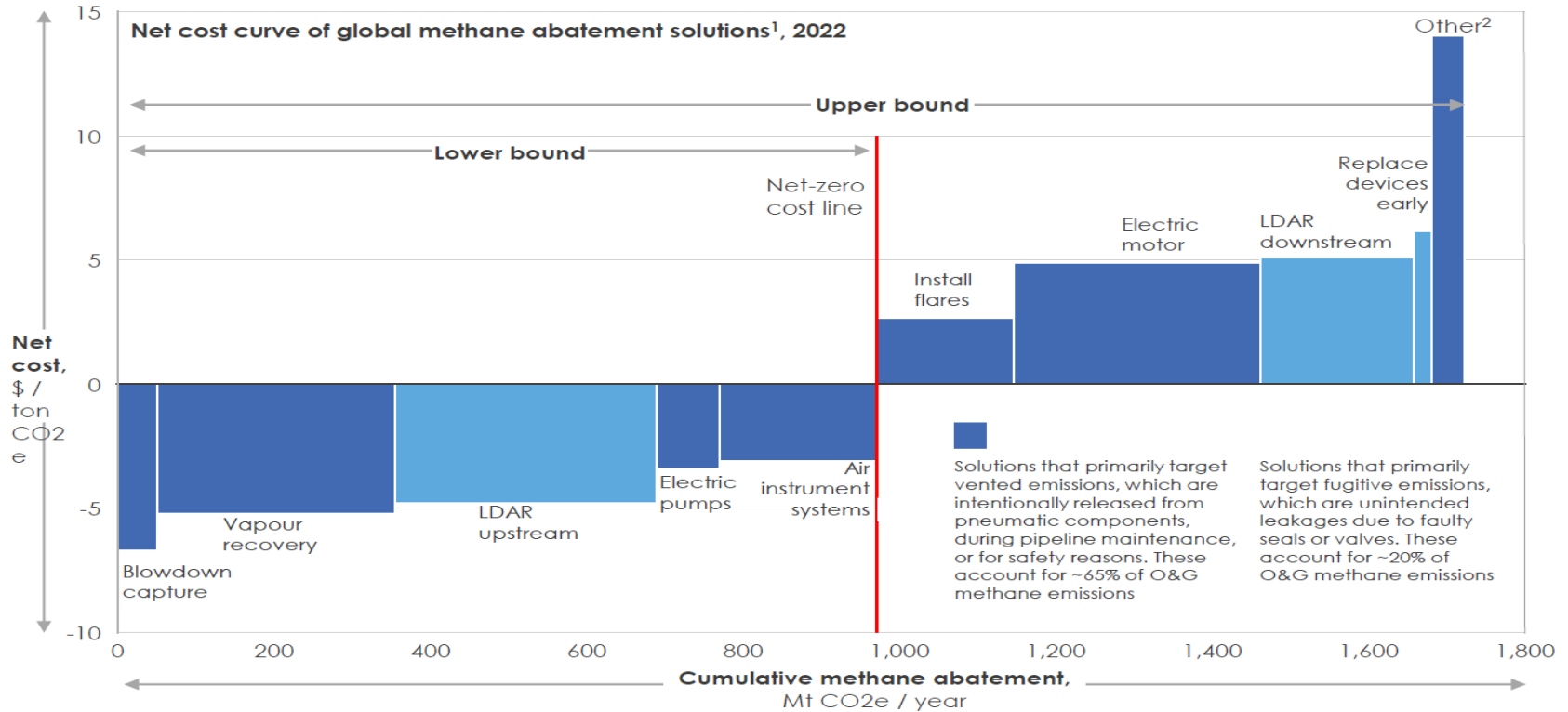
### ACCELERATE

Accelerate commercialization pathways for our portfolio companies, through pilots and market adoption

### COLLABORATE

Collaborate widely within and beyond OGCI members to accelerate industrial decarbonization and impact

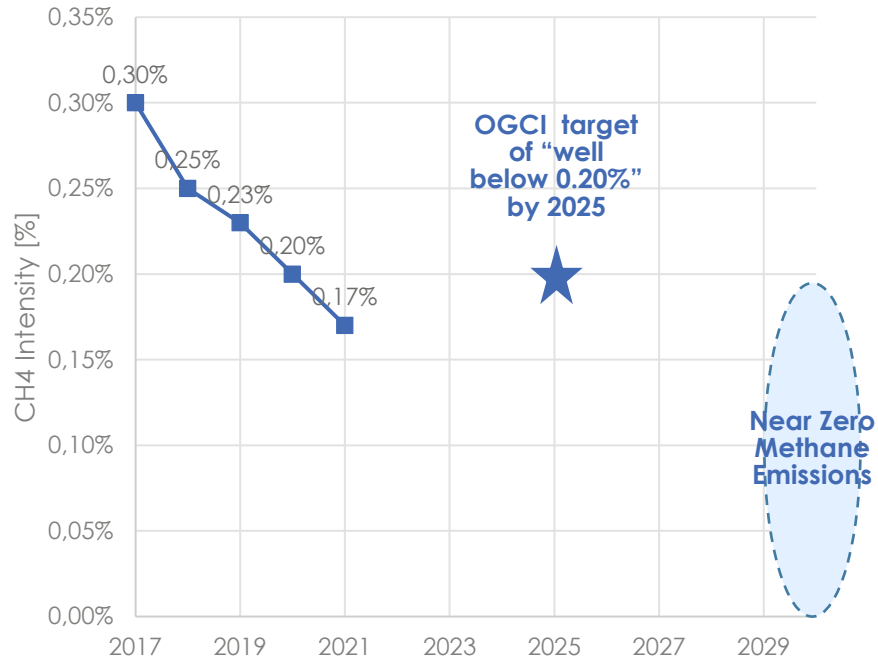
# Full methane emissions abatement will likely require ~\$11bn Capex



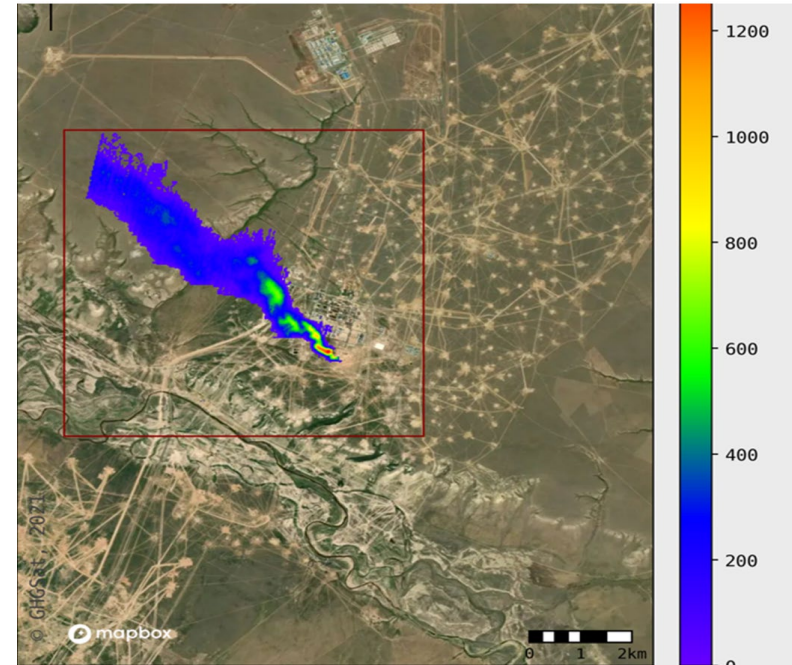
1. Cost calculated as a global weighted average taken from individual country estimates
2. Methane-reducing catalysts; local productive use of CH<sub>4</sub> in remote locations; Pipeline pump-downs before maintenance; Reduced-emission completions.

# OGCI efforts to mitigate methane emissions

## OGCI Upstream Methane Intensity Target & Aiming for Zero by 2030

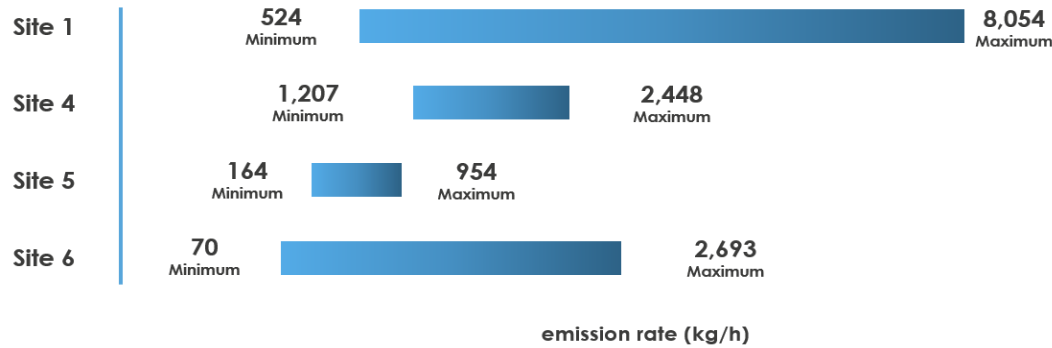


## Using GHGSat technology to mitigate methane emissions in developing countries



Sources: OGCI Website ([2021](#)), GHGSat ([2021](#))

# Satellite Monitoring Campaign in Iraq – High Level Results



	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
Site 1	0 (1)	4 (3)	2 (1)	1 (1)	0 (1)	2 (2)	1 (1)	0 (1)	0 (7)	0 (2)
Site 2	0 (1)	0 (1)	0 (2)	0 (1)	0 (1)	0 (1)	0 (2)	0 (5)	0 (10)	0 (2)
Site 3	0 (0)	0 (0)	0 (1)	0 (2)	0 (3)	0 (1)	0 (1)	0 (4)	0 (8)	0 (5)
Site 4	0 (0)	0 (1)	0 (1)	1 (2)	0 (1)	0 (1)	0 (2)	1 (4)	0 (8)	0 (5)
Site 5	0 (1)	1 (1)	0 (1)	0 (1)	7 (3)	0 (0)	0 (1)	0 (3)	2 (3)	0 (0)
Site 6	0 (0)	0 (0)	3 (2)	2 (1)	1 (1)	2 (1)	2 (2)	0 (3)	1 (4)	3 (1)

## Site 1:

- Continuous plumes averaging 5t CH<sub>4</sub> / hour detected on one non OGCI member company operated asset.
- Confirmed source: cold flaring.
- Solutions: reroute gas to facility north of the monitored facility.
- Elimination of plume – equivalent to the total reported CH<sub>4</sub> emissions from a European supermajor in a calendar year.
- Detection cost below 1 US\$/tCO<sub>2e</sub>.

## Reducing methane emissions

DETECT, MEASURE, MITIGATE



# What is the Aiming for Zero Methane Emissions Initiative ?



The Aiming for Zero initiative establishes an all-in approach that treats methane emissions as seriously as the oil and gas industry already treats safety.

It is a tangible, ambitious effort to eliminate the industry's methane footprint by 2030.

**Size of the prize:** 2 Gt CO<sub>2</sub>e per year

Meaningful contribution to the **Global Methane Pledge**, signed up by 122 governments in 2021: if all O&G companies sign up to AZMEI, 70% of the Global Methane pledged would be achieved

# Aiming for Zero Methane Emissions Initiative



## Signatories



## Supporters

