

Methane Fugitive Emissions Center

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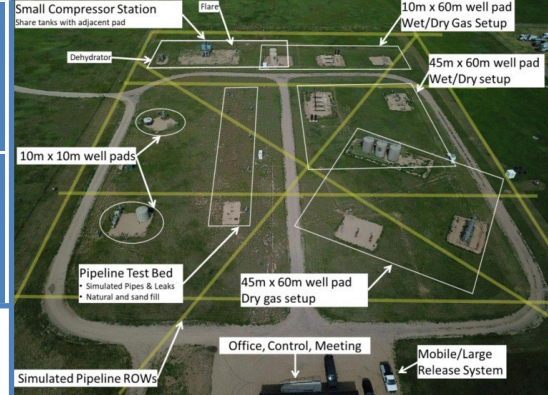


Background and Goals

- CH₄ fugitive emissions - **11.1%** of total GHG emissions in 2021 in Australia;
- 4.9%** of emissions reduction rate per year by NGER goal;
- Our goal is to develop a local CH₄ fugitive emission test facility to support Australian industries: energy, mining, agriculture.

Equipment

- FLIR camera
- IR detector
- GC analyzer
- Flow controller



Infrastructure

Shenton Park
In the future - **KETH**

Parameters

	Temperature and temperature gradient		Pressure
	Wind		UV exposure
	Humidity		Out of detection limits
	Mixture of gases		Several leak spots overlapped
			Distance
			Point of view

International Centers

METEC and TADI are international facilities that cooperated to create world-wide standardized methodology for CH₄ fugitive emissions detection.