

# BENGAL ENERGY

## CASE STUDY: UNLOCKING STRANDED GAS EARLY GAS PRODUCTION SYSTEM

Globally oil and gas consumption must decline over the long-term to secure a low-carbon, renewable energy future. It is therefore incumbent on oil and gas companies to articulate how they plan on reducing this production. In its efforts to do so, Bengal Energy has recognised stranded, natural gas as a low-carbon emitter suitable for generating electricity.

Bengal's Early Gas Production System (EGPS) has been established to turn stranded gas into an asset and essential player in the journey to net zero. The portable EGPS uses unwanted, unusable stranded gas to generate electricity, such as that from gas awaiting infrastructure connection, gas that would normally be flared or vented, and gas considered uneconomic due to its pool size. The EGPS does not require permanent infrastructure and is therefore able to monetise gas assets with minimal environmental impact and delivers competitive energy prices and a more reliable energy service in remote south-west Queensland.

Using stranded gas in power generation and resource processing enhances Bengal's ability to meet increasing energy needs as well as the need to reduce

carbon emissions. Bengal uses the energy produced by the EGPS to power ASIC servers, or digital mining dongas, that mine crypto currency, which is scalable and connects to the network via satellite. Once the infrastructure connection has been made or the gas reserves have depleted, the EGPS is relocated to the next suitable site.

The increased use of natural gas has several environmental and economic benefits:

- Reduced emissions of fine particulates
- Reduced emissions of sulphur dioxide and nitrogen oxide
- Significant lower demand for water for power station cooling
- Establishes early cash flow and additional energy resources

Stranded natural gas is the perfect partner to intermittent renewable energy that can easily generate on call electricity to manage falls and increases in demand, and Bengal has generated significant economic, environmental and social benefits through the use of natural gas resources.



### WHO WE ARE

Bengal Energy is a rapidly growing oil and gas exploration company with a portfolio of high potential impact projects in Australia's Cooper Basin. It is listed on the TSX (BNG) and is headquartered in Calgary, CAN with an operational office in Brisbane, AUS.

### CONTACT

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