

# 26<sup>th</sup> World Gas Conference

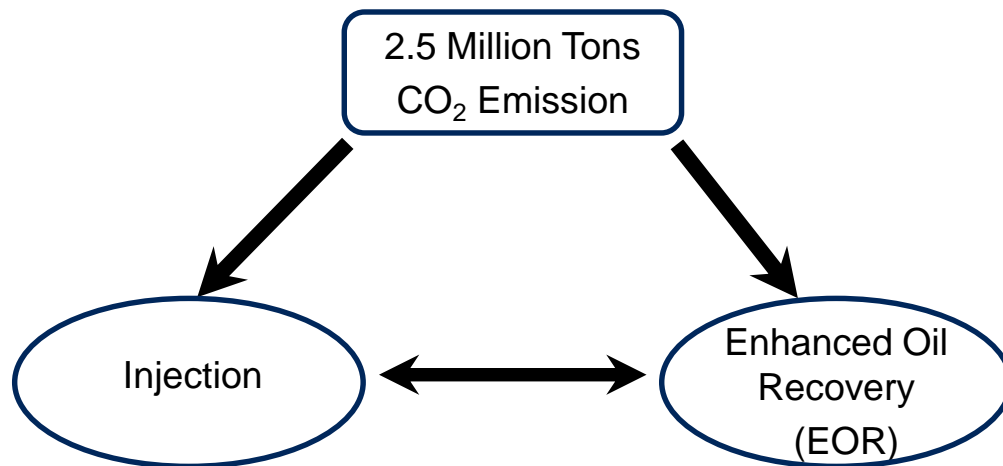
1 – 5 June 2015, Paris, France



GREENHOUSE GAS EMISSIONS REDUCTION  
by Re-Injection and Re-Use of CO<sub>2</sub> from Sulphur Recovery  
Units at RasGas

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RasGas Company Ltd, Qatar

# Objective



**≈ 500,000 Passenger Vehicles**

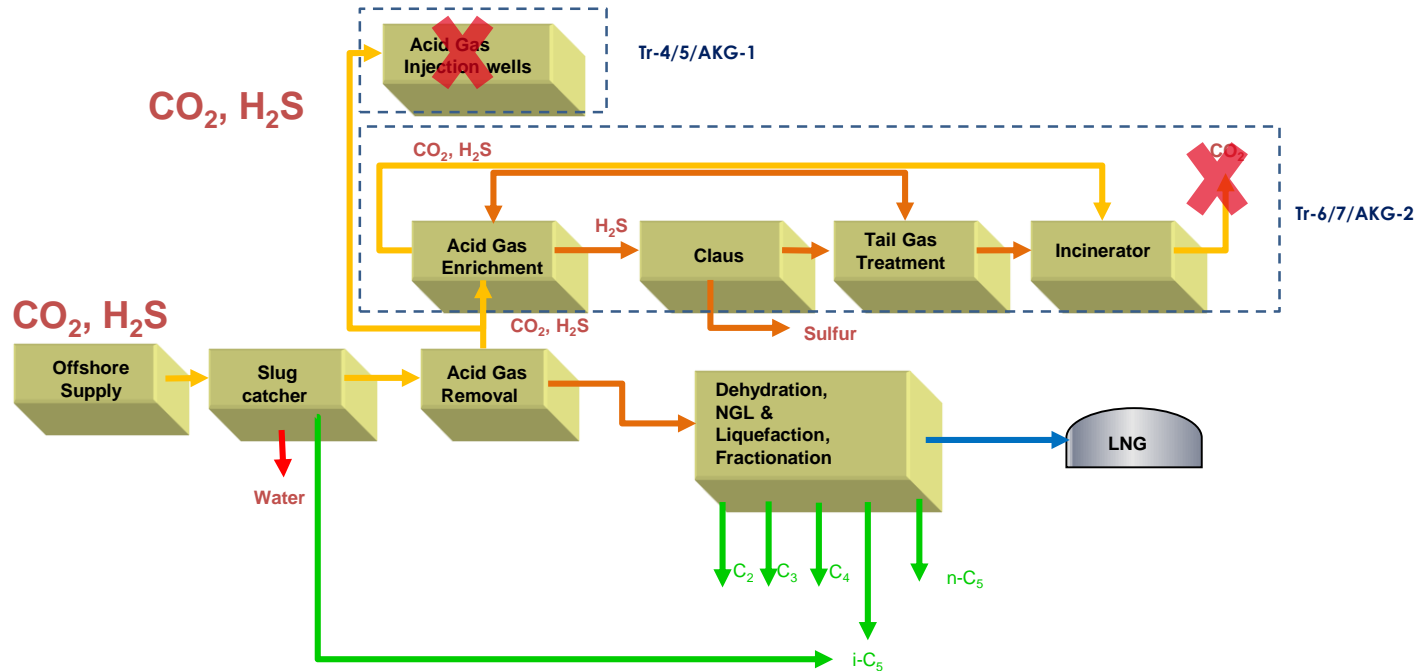


# Integrated Project Schedule

- ✓ Acid Gas Diversion (AGI Diversion)
- ✓ CO<sub>2</sub> Injection
- ✓ SRU Capacity Enhancement
- ✓ CO<sub>2</sub> Export

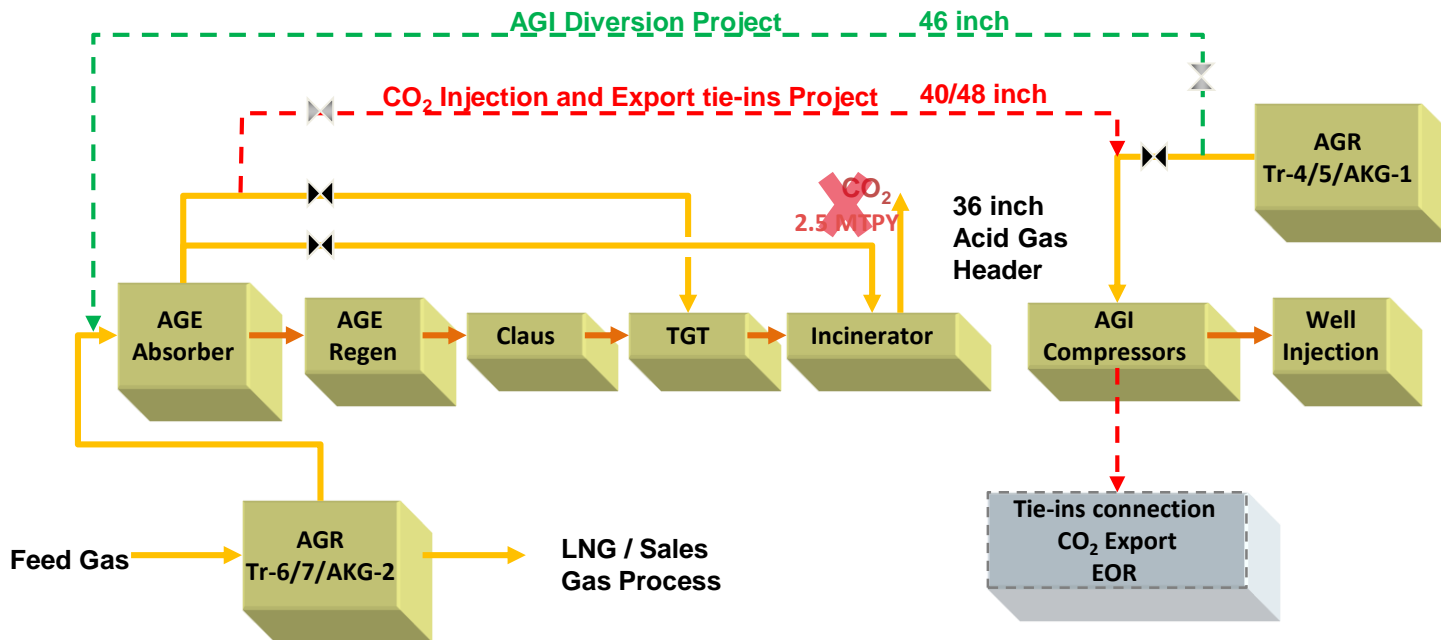


# Opportunity



- $\text{CO}_2$  is present in the feed
- $\text{CO}_2$  is removed with the  $\text{H}_2\text{S}$  in the acid gas removal (AGR) section
- Trains 6, 7 and AGK-2 acid gas sent to the Sulphur Recovery Unit (SRU)
- Trains 4, 5 and sales gas AGK-1, the acid gas injected in an acid gas well

# Acid Gas Elimination Projects



# Operations and Maintenance Elements

- ✓ Operational procedures update.
  - AGI Compressors operation when switching from Acid Gas to CO<sub>2</sub> rich stream.
- ✓ Connection between AGE Overhead and the Incinerator.
  - To be maintained as a backup in case of AGI compressor shutdown.
- ✓ Operator training for new control parameters for AGI compressors.
  - Based on new compressor curves.
- ✓ Maintenance strategy to be updated.
  - Based on the new service (CO<sub>2</sub> rich stream vs Acid Gas injection).

