

## **Saudi Arabia - Oil and Gas's activities on Methane Mitigation:**

Saudi Arabia facilitated projects that capture and reuse methane gas through Vapour Recovery Technologies and other projects. The following are some of Saudi Arabia initiatives towards Methane mitigation:

### **1. Fugitive Emission and Leak Detection & Repair:**

- a. Measurement of methane emissions from operating facilities using the Solar Occultation Flux technique to minimize Methane. This initiative aims to measure the actual VOC emissions from different operating facilities.
- b. Lead Detection & Repair (LDAR) protocol and implementing LDAR program company-wide. Develop protocol to provide Operating Facilities with a consistent guideline to conduct LDAR using best available technologies and practices which lead to Methane reduction.

### **2. Flare and Flare Gas Recovery System:**

- a. Develop the Master gas system: a major gas network was built to utilize the gas which reduced flaring and Methane emission.
- b. Piloting Flare monitoring satellite technologies to control flaring activities and reduced flared gas subsequently reduces methane emission.
- c. Install Flare gas recovery system to limit flaring gas to pilot and purge only which will lead to Methane reduction.

### **3. Zero Discharge Technology at Well-site Operations:**

- a. Implementing zero discharge technology at onshore/offshore well-site operations to eliminate gas flaring and liquid hydrocarbons discharge which reduced Methane emission.

These actions are in line with kingdom's contribution to economic diversification program announced at Doha and related emission management that are considered co benefits in the area of GHG mitigation. Building on this, Saudi Arabia will continue enhancing cooperation with international organizations and developed countries focusing on methane reduction opportunities from oil and gas sector.