# Project Title: EA Gas Lift Optimization Using Production Universe – Real Time Optimization (PU-RTO)

**Business Case**

Most EA Oil wells production have declined and are currently being gas lifted. Gas Lift optimization is currently ongoing for about 19 oil wells which has resulted in improved recovery of oil volumes.

To fully optimize gas lifted wells production and reduce human dependencies there is need to automate the system using Production Universe – Real Time Optimization to realize full well potential by distributing adequate gas volumes to the individual conduits.

**Objectives:**

The intent is to deploy a model-based optimization to automate gas lift distribution for EA using already existing WinGLUE curve models. PU RTO gives a dynamic optimization result, considering the status of all wells. If a well is currently closed in or on test, PU RTO will not allocate or change the lift gas to the well. The use of PU RTO models for gas lift optimization is expected to provide an average of about 2% increase in oil production for EA.

**Potential Benefits & Measurement:**

Gain of about 2% in Oil production

**High-Level Timeline:**

**Project Scope/Actions:**

* Asses and Plan – Jan –
* Engage Process Owner /LSME – Feb –
* Technology Readiness and Deployment - Sept
* Go-Live and Handover to support groups/Benefit Tracking – oct/Nov
* Operational Steady State and Benefit Reporting – Dec

**Critical Success Factor:**

* Management Commitment
* Successful stakeholder collaboration
* Budget cover/Approval

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