PERFORM

AIQ

DRIVE

PERFORM WITH **AIQ**

Production optimization generally seeks to maximize oil and gas output and reduce the cost of production.

As the era of easy-oil declines, the volume and the complexity of oil and gas operations is increasing. Correspondingly, accurate and effective decision-making and planning are becoming more demanding.

Software tools have been developed in the upstream oil and gas industry to cope with the growing complexity in decision-making for optimized operations, solving nonlinear problems based on steady state well models.

However, in reality, the computations are subject to a wide range of uncertainties that are not taken into account by offline software tools used for production optimization.

PORTFOLIO INTEGRITY

Consistency of business plan and reservoir models may not be ensured due to manual processes

Lack of single platform to review business plans and identify opportunities

Time-consuming efforts to verify the consistency and request for updates from asset teams

Lack of efficiency in reservoir model sharing processes between asset teams and HQ

PORTFOLIO OPTIMIZATION

Large reservoir models with high well count and long runtimes

Complex and time-consuming workflows for production and key economic factors optimization

High dependency on asset teams to perform sensitivities and generate additional scenarios
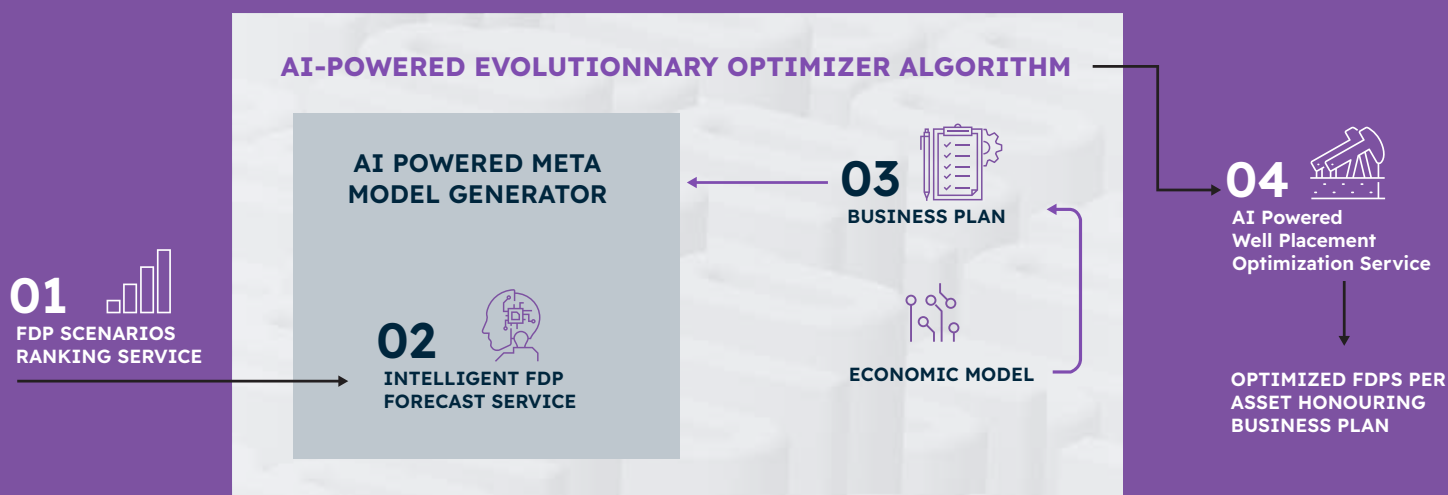
Challenging exploration of new opportunities for value generation

THE SOLUTION

DRIVE is a web-based application designed to automatically run quality assurance/quality control (QA/QC) reservoir models and consistency analysis versus reference cases.

The application utilizes an AI-proxy model covering a wide range of operating conditions and infill drilling configurations to reproduce reservoir simulation models for portfolio optimization.

DRIVE also screens, ranks, forecasts and optimizes FDP scenarios for numerous assets in an automated fashion, using optimizers and AI-powered proxy models. What is produced are comprehensive economic models to rank FDP scenarios and optimize forecasts.

AI-POWERED EVOLUTIONNARY OPTIMIZER ALGORITHM

AI POWERED META MODEL GENERATOR

01 FDP SCENARIOS RANKING SERVICE

02 INTELLIGENT FDP FORECAST SERVICE

03 BUSINESS PLAN

ECONOMIC MODEL

04 AI Powered Well Placement Optimization Service

OPTIMIZED FDPS PER ASSET HONOURING BUSINESS PLAN

AIQ

DRIVE
PERFORM WITH **AIQ**

" Accelerates well opportunity identification through rapid screening of business plans with respect to key performance indicators "

Improves efficiency leveraging AI and automation

Business plan optimization to generate large savings

Identifies opportunities for value generation

Maximizes value of available cloud computing resources to generate value

DISCLAIMER

This booklet contains numerical data that has been sourced from our esteemed clients. It is important to note that these figures are provided in the context of their respective business operations and have been shared with us for the purpose of this booklet.

Please be aware that client-sourced data can be subject to various factors that may influence its interpretation.