JUPITER PRIME

Consulting • Training • Advisory

جوبيتر برايم للاستشارات والتدريب

COURSE BROCHURE

# Flare Gas Monetisation and Project Economics Training Course

18 – 22 July 2027
Manama

**jupiterprime.uk**

info@jupiterprime.uk

Registered in the United Kingdom and Saudi Arabia

# Flare Gas Monetisation and Project Economics Training Course

**Ref:** 2237_82917 **Date:** 18 – 22 July 2027 **Location:** Manama **Fees:** 5500 GBP

Flare Gas Monetisation and Project Economics is a 1-week training course for commercial and project engineers who must turn recovered flare gas into a funded project, ending with a monetisation option ranking. Flaring rules, investor scrutiny of emissions and tighter capital budgets now push operators to show that every recovered cubic metre earns its keep. Jupiter Prime Training sets flare gas monetisation and project economics in that commercial setting.

## Why Flare Gas Monetisation and Project Economics Matters Now

Three forces shape flare gas monetisation today: emissions reduction pledges made by operators and their shareholders, host governments that tie licence terms to lower routine flaring, and buyers of power and fuels who want firm supply. An operator that ranks its routes well converts a liability into revenue and frees credible emissions headroom; one that ranks them badly strands compressors, misprices offtake and loses board confidence. The course rests on discounted cash flow, levelised cost comparison, real options thinking and stage-gate investment practice used across the industry.

## Who Gains Most from Flare Gas Monetisation and Project Economics

- Commercial engineers pricing gas offtake, tariffs and sales contracts for recovered volumes
- Project engineers scoping recovery, compression and conversion facilities at concept stage
- Asset economists building cash flow models for flare reduction investments
- Production engineers forecasting associated gas profiles and their decline
- Planning specialists preparing investment papers for capital approval committees

An asset team that sends commercial, project and economics members together gains most.

## Flare Gas Monetisation and Project Economics Capabilities

Participants learn to compare power, reinjection, conversion and transport routes on one economic basis and to defend the chosen route before investors.

- Assess gas volume, composition and decline profiles for each flare source — route screening
- Calculate net present value, payback and unit cost for each route — capital approval
- Weigh power generation against reinjection and gas to liquids — asset strategy
- Specify offtake, tariff and pricing terms for recovered gas — buyers and partners
- Test route economics against price, volume and cost uncertainty — risk committees
- Communicate a ranked set of monetisation routes — executive investment decision

## Key Flare Gas Monetisation and Project Economics Terms

- Monetisation Route — the commercial path that turns recovered gas into revenue, such as power, fuel sales or reinjection.
- Levelised Unit Cost — the lifetime cost of a route divided by the energy or product it delivers.
- Compressed Natural Gas Trucking — moving recovered gas at high pressure by road to nearby buyers without a pipeline.
- Mini Liquefied Natural Gas — small modular plants that liquefy stranded gas for transport to remote demand.
- Gas to Liquids — conversion of gas into liquid fuels or chemicals that blend into existing product chains.
- Offtake Agreement — a contract fixing who buys recovered gas or its products, at what price and volume.

## Flare Gas Monetisation and Project Economics Day by Day

### Day 1: Recovered Gas as a Commercial Asset

- Flare Source Inventory — Which Volumes Justify Commercial Study
- Gas Composition And Contaminants — Treatment Cost Per Route
- Associated Gas Decline Forecasts — Plant Sizing And Contract Length
- Emissions Pledges And Licence Terms — Pressure On Routine Flaring
- Stakeholder Value Map — Who Gains From Each Molecule

### Day 2: Power, Reinjection and Field Fuel Routes

- Gas To Power Generation — Onsite Demand Versus Grid Export
- Reinjection For Pressure Support — Deferred Revenue And Recovery Uplift
- Fuel Gas Substitution — Diesel Displacement Savings On Site
- Compression Train Cost Curves — Capital Scale And Reliability
- Power Purchase Terms — Tariff Floors And Dispatch Risk

### Day 3: Conversion and Transport Routes

- Compressed Natural Gas Trucking — Haul Distance And Buyer Density
- Mini Liquefied Natural Gas Plants — Modular Cost And Remote Demand
- Gas To Liquids Units — Product Yield And Blending Markets
- Natural Gas Liquids Extraction — Value Of Heavier Fractions
- Pipeline Tie-In To Gas Networks — Tariffs And Spare Capacity

### Day 4: Project Economics and Investment Decisions

- Discounted Cash Flow Model — Net Present Value Per Route
- Levelised Unit Cost Comparison — Like For Like Route Ranking
- Carbon Value And Emissions Credits — Upside In Route Economics
- Monte Carlo Sensitivity Runs — Price, Volume And Cost Uncertainty
- Stage-Gate Investment Paper — Capital Committee Approval

## Day 5: Practising the Monetisation Option Ranking

- Route Screening Matrix — Applying Day 1 Volume Evidence
- Offtake Term Sheet Drafting — Applying Day 2 And Day 3 Routes
- Economic Case Peer Challenge — Applying Day 4 Cash Flow Models
- Phased Route Roadmap — Early Wins And Later Scale-Up
- Monetisation Option Ranking — Final Route Order For Approval

## Applying Flare Gas Monetisation and Project Economics After the Course

- Lead a route screening session for one flaring site using the volume, composition and decline evidence method
- Rebuild the cash flow model for a pending flare reduction proposal and present its levelised unit cost comparison to the approval committee

## Flare Gas Monetisation and Project Economics Questions FAQ

### What is flare gas monetisation and project economics, and why does it matter now?

Flare gas monetisation and project economics is the practice of choosing and funding the commercial route for recovered gas. It matters now because emissions pledges, licence terms and capital limits require flare reduction projects to earn a return rather than remain a cost.

### Which roles gain most from flare gas monetisation and project economics?

Commercial engineers, project engineers and asset economists gain most from flare gas monetisation and project economics.

### How does a flare gas monetisation and project economics course differ from a flare gas recovery systems course?

A flare gas monetisation and project economics course focuses on revenue routes, contracts and investment cases. A recovery systems course centres on compressors, ejectors, flare headers and engineering feasibility.

### What do you bring back from flare gas monetisation and project economics training?

You bring back a ranked set of monetisation routes for a real or sample flaring site. It carries cash flow results and offtake terms an approval committee can test.

## Flare Gas Monetisation and Project Economics: The Way Forward

The monetisation option ranking first informs which route enters front-end study and which waits. Commercial leads, project managers and capital committees use it to set budgets and negotiate offtake. After its first use, revisit the gas decline forecast and buyer demand, since a route ranked second today can overtake the leader once volumes, prices or tariffs shift.