

THE COMPANY PROFILE



ELIXIR CONSULTANTS UK

Suite 19, Centurion Court, North Esplanade West,
Aberdeen AB11 5QH

Tel: +44 1224 950949

Mobile : +44 7411651906

email: contact@elixiruk.com

Website: www.elixiruk.com



ABOUT COMPANY

Elixir Consultants focus on high-end multi discipline engineering solutions and services across the globe. Our motivated engineers with track records of significant achievements in all facets of engineering phases having own decades of accumulated experience in Oil and Gas, Refining, Petrochemical, Water treatment, Power and other sectors, ensure our client's assets design and performance are optimal.

Our specialist services such as Process Engineering and Technical Safety Support, Flow Assurance and Concept Optimization along with very extensive knowledge in the field of Energy Transition (Carbon Capture Storage and Hydrogen Technology), Power Generation, LNG Regasification, Gas Treatment, Oil Water Separation, Produced Water Treatment, Sea Water Treatment, Water Injection, Gas Injection (Dense Phase) will help our clients providing latest technologies to manage their resources efficiently and effectively. As professional engineers we always apply a practical & holistic approach that is safe and economically viable.

ELIXIR UK - MD MESSAGE



Progress has never been a pipe dream for me. It has always been a far-off reality, and after one obstacle is overcome, another one is always awaiting to be overcome. I founded Elixir Consultants UK, with a small team of Process Engineers, in 2013 on the basis of this conviction. Elixir Consultants UK quickly rose to prominence in its industry, but like every entrepreneur who never gives up on their goals, I always hoped to take my firm to even greater heights. I've always thought of my organization as a unit with a lot of technological know-how, competence, and specialized knowledge rather than just as a worldwide participant.

I have been successful in advancing Elixir Consultants UK to a new milestone of international recognition by overcoming difficulty after difficulty with the assistance of my outstanding staff.

Elixir Consultants UK is constantly progressing. However, I am optimistic that the business will continue to achieve excellent milestones for years to come with the help of my team and clientele.



OUR SERVICE

Company

We provide a full range of multi-discipline engineering services for the onshore and offshore projects. The range of engineering services can vary from small projects to large brownfield modifications jobs.

Key benefits from our experienced Engineering Team include:

- Robust option evaluation
- Innovative & Efficient engineering
- Seamless project progression
- On time, on budget and safe

Our personnel have extensive experience in the Oil and Gas, Refinery/Petrochemical, LNG, Energy Transition, Power Generation, Water Treatment sector. Following engineering services can be executed for both new and existing facilities:

- Concept Engineering
- Front End Engineering Design
- Detailed Design
- Commissioning and Post Commissioning Operational Support
- Third Party Review
- Technical Audits



ENGINEERING SERVICES OFFERED

Elixir is a group of experienced professionals specialized in the Energy sector. We offer our expertise to the oil and gas operators across the globe help them to understand & encash the unique opportunities pertaining to new developments, asset life extension, reduce operational expenditure (OPEX), debottlenecking their assets for increased production and improve their availability and reliability.

Our focus is on delivering practical solutions to achieve our client's project objectives using our extensive experience in providing engineering services. We can offer a full suite of engineering tools as follows:

FEASIBILITY STUDIES

Proven capability in delivering optimum designs through experience and suggesting best available technologies in the market to our valued clients.

CONCEPT SELECTION AND OPTION

Our team of professionals have wide experience in concept selection & provides an edge over others in the market to offer the most optimized engineering solutions through ALARP approach.

FRONT END ENGINEERING DESIGN (FEED)

Our expertise helps our clients through FEED to arrive at project specifications to help them to arrive at final investment decisions & take the project to the next stage confidently.

DETAILED DESIGN (DD)

Our multidiscipline team has vast experience in performing detailed design activities to help our clients to minimize associated costs during construction, pre-commissioning & commissioning.

DE-BOTTLENECKING & OPTIMIZATION STUDIES

Experienced in determining system chokes and delivering the most cost effective debottleneck solution. Similar, to system debottlenecking, Elixir Consultants are skilled at identifying opportunities to optimize plant operation to deliver additional production and/or reduced operational costs.

ENERGY TRANSITION(HYDROGEN & CCUS)

The energy transition is a pathway toward transformation of the global energy sector from fossil-based to zero-carbon by the second half of this century. At its heart is the need to reduce energy-related CO₂ emissions to limit climate change. Unique design studies such as carbon capture and storage require a degree of awareness of the technology and prizes. Elixir engineers have extensive experience in such studies thus ensuring optimum designs first time.

FLOW ASSURANCE SUPPORT

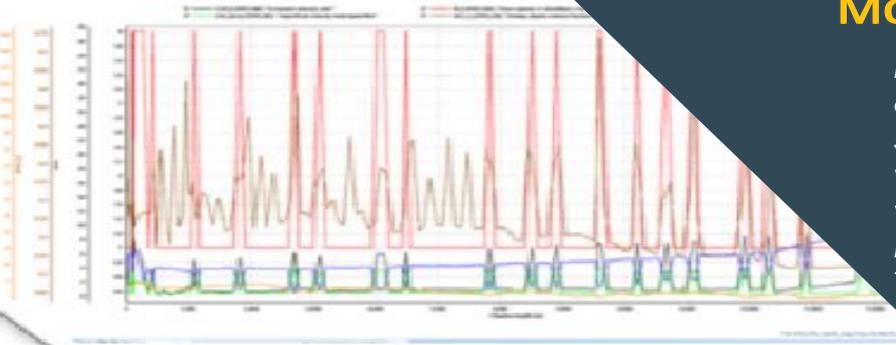
Elixir personnel have extensive experience in flow assurance, and they have performed flow assurance analysis on a variety of development concepts at various water depths, involving different fluid types in a variety of geographical regions. The studies/projects handled by them cover a range of system configurations, each with particular challenges that require to be managed both subsea and on topsides.

We have inhouse access to simulation software's like OLGA, ASPENONE Suite for carrying out following activities:

- Developing start-up and shutdown guidelines.
- Slug prediction and slug management during normal operation and start-up operation.
- Pipeline pigging procedure.
- Thermal & Hydraulic profile of pipeline.
- Hydrate prediction & mitigation measures(MEOH Injection required)

STEADY STATE, DYNAMIC SIMULATION & FLARENET MODELLING

Elixir engineers have a wide range of experience in delivering various SS & Dynamic simulation work for various clients world wide using various applications like ASPEN HYSIS, UNISIM, PIPESIM, TLNET/TGNET/PIPENET.



MATERIALS SELECTION AND CORROSION MANAGEMENT SUPPORT

Elixir boast of a highly experienced team of professionals with decades of technical & practical experience in the field of materials technology & corrosion control. The team specializes in identifying and providing mitigation to prevent localized corrosion, advise on material selection and management of the service environment.

FINITE ELEMENT ANALYSIS

Elixir has successfully delivered solutions. Using CFD modeling software to various client help understand fluid behavior & manage performance (mixing, separation, thermal profiling, gas dispersion).

TECHNICAL SAFETY ENGINEERING SUPPORT

Our Safety Expert personnel can provide safety analysis and inherently safe design input through various life cycle phases. They provide support, particularly in the areas.

- HAZOP and HAZID Reviews
- SIL/LOPA, SIMOP studies
- Flare Gas Dispersion & Explosion Analysis (FGDEA)
- FERA, EERA, QRA
- F&G Mapping
- Reliability and Availability Studies
- Electrical Design Review Facilitation
- Electrical SAFOP Facilitation
- Active and Passive Fire Protection Design and Optimization

ELECTRICAL SYSTEM STUDIES AND PROTECTION COORDINATION

We can take up following electrical studies in ETAP or DigSilent

- Load Flow
- Short circuit studies complying to IEC 60909 Parts 0,1,2,3,4
- System Dynamic Stability
- Motor Starting
- Protection Studies



TRAINING & DEVELOPMENT

TRAINING FOR UNIVERSITY STUDENTS

Elixir has delivered technical and soft skill training programs to the students of various universities and institutions in India.

TRAINING FOR STAFF DEVELOPMENT

Elixir follows an employee training program (soft skill as well as technical) wherein by which we can:

- Improve the productivity of the staff.
- Improve the quality of the work deliverables.
- Improve the schedule and hence achieve early start-up Maximize profitability.

OUR RECENT MAJOR PROJECTS - OIL & GAS



YAMAMA FORMATION DEVELOPMENT WEST QURNA 2 PROJECT(Concept Optimization)

Completed the concept optimization study for gas plant comprising AGR, GDU, Hydrocarbon Dewpoint Unit, NGL extraction, LPG and SRU/AGI.

FLARE SYSTEM IMPROVEMENT PROJECT(DETAILED DESIGN)

Elixir is currently executing the detail engineering scope for the improvement of flare system for NATPET, Saudi Arabia. Which mainly involves flare system adequacy check.

DESIGN ENGINEERING FOR BU HASA SWAG CO2 EOR PILOT PROJECT

Elixir is currently involved in Process Engineering & Assurance support for BU HASA SWAG Pilot project where in dense phase CO₂ transportation & injection is involved.

HYDROGEN PROJECTS

1. Hydrogen generation, compression, storage & dispensation facilities for Australian client.
2. Hydrogen vent study for Australian client.
3. Concept for Hydrogen blending with natural gas for Indian client.

FLOW ASSURANCE STUDIES

Flow Assurance study of Subsea field in North Sea for Converting gas injector into producers with initial production from gas cap and subsequent oil production with low temperature study and safeguarding review.



OTHER PROJECTS

ONGOING PROJECTS

- *Vertical Flare System Modelling - Beach Energy Beharra Springs ER & PO Project, AUSTRALIA*
- *Stress Analysis - Additional Membrane Tie In Pipe Stressing Analysis, AUSTRALIA*
- *Instrumentation Panel Modification Detail Design for - Repsol - Claymore - SCAPA/CASWI HPU Upgrade, UK*
- *Structural Piperack Modification for DANA Tritan repair & replacement of perforated areas Work, UK*
- *HAZID, DR, HAZOP Facilitation- OQ, OMAN*
- *Flare System Modification Work, NATPET, SAUDI ARABIA*

COMPLETED PROJECTS

- *NWB6 Production Facilities – Flow line Transient Analysis, UK*
- *QRA study for Pride Packaging project, OQ, OMAN*
- *HAZOP Facilitation for Glycol Debottlenecking System, UK*
- *Claymore Sidetrack and Workover Well C58 – Slugging Analysis (In OLGA), UK*
- *As Building of Catalytic Point Gas Detectors Work pack 8 and 10- Instrumentation upgrade, UK*
- *Replace Local Deck Plating- Structural Modification scope for replacing Kennedy gratings, UK*
- *Design Review Facilitation for Fire Network modifications, Orpic, OMAN*
- *Claymore - Oil Export - Pump Outages Post SD Pipework Replace- Instrumentation Detailed Design, UK*
- *Shell Gannet DGS – N2 Seals Dispersion Study, UK*
- *HAZOP Facilitation for recovered oil from drain re-routing, UK*
- *HAZOP Facilitation for Test separator divertor valve modifications, UK*
- *Armada Destec Seal ring Replacement NWS & Maria - Piping Drawings, Civil Support Drawings & Load data Preparation, UK*

COMPLETED PROJECTS

- *Sand Transport modelling in subsea well to Offshore Platform.*
- *Water hammer effect study for BW offshore PW injection system*
- *DP6 DP8 pipeline Transient Analysis for Spirit Energy.*
- *FG Import -Low Temperature study (Riser ESDV opening) for Spirit Energy.*
- *Minimum Temp Analysis for FG Import Scrubber during platform startup –Spirit Energy*
- *Transient simulation for N16, N7 and BK8 wells for Apache*
- *Slug prediction and impact of the slug on pipeline/piping configuration for Iona-3 pipeline for Lochard Facility in Australia*
- *Fire Water network hydraulic study (steady state as well as transient) for UK client.*
- *Process support for finalizing the concept of flare gas recovery facility for Oman client through Norwegian EPC company.*



OUR TEAM

Vrijal Kulkarni, Commercial & Administration Head

With 20 years of experience in process industry, Vrijal is ensuring delivery of Administrative, Commercial, Contracts processes.

Anil Muskawad, Engineering Head

Anil has over 27 years of experience in process design in the field of oil & gas, refinery, petrochemical and gasohol.

Pravin Bhamare, Project Manager

Pravin has over 20 years' experience in project engineering for both onshore and offshore projects.

Elizabeth Mcalpine, BD Manager

Elizabeth has more than 30 years of experience in Process industry in business development & marketing.

Jim Mallon, Lead Process

Jim has over 30 years of experience in process engineering for both onshore & offshore projects.

Anuradha Sharma, Technical Safety

Anuradha has 13 years of experience in Process Safety & Safety management in onshore & offshore in Oil & Gas industry.

Anant Dolas, Lead Process Simulation

Anant has 19 years of experience in Process Engineering with specialization in process simulation.

Amol Pandharpatte, Lead Concept

Amol is a chemical engineer with a strong background of 18 years in Concept Selection, FEED Project.

Seamus Byrne, SME – Flow Assurance

With 19 years' experience in the oil and gas industry, Seamus Byrne has worked as a process/flow

Rajesh Wankhede, Lead Piping

Rajesh has wide range of experience in Piping & Static. For last 21 years he has worked on offshore & onshore projects.

Amol Taralkar, Lead Structural

Amol has 21 years of experience in Civil & Structural discipline. He has worked on onshore & offshore project.

Preeti Raskar, Lead C&I

Priti has 24 years of experience in Control & Instrumentation.



Elixir UK

Elixir UK takes great satisfaction in establishing and upholding the highest level of respect and trust with each of our clients.

Our capacity to deliver on each client's desired results and the development of long-lasting, mutually beneficial partnerships as a result of our performance serve as our yardstick for success.

PHONE

+44 7411651906

MAIL

contact@elixiruk.com

SITE

www.elixiruk.com

REGISTERED ADDRESS

24 Airyhall Avenue Aberdeen AB15 7QU

TRADING ADDRESS

Suite 19, Centurion Court, North Esplanade West ,
Aberdeen AB11 5QH

