



# CORPORATE PROFILE

REDEFINING OFFSHORE AND ONSHORE EXCELLENCE  
ACROSS THE OIL & GAS VALUE CHAIN



[WWW.ZECONIA.COM](http://WWW.ZECONIA.COM)

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# COMPANY OVERVIEW

Zeconia Global investment Limited (Zeconia GIL) is a world-class integrated energy company delivering total offshore and onshore solutions across the oil & gas industry. Our mission is to provide intelligent, sustainable, and future-ready services that rival global leaders, while leveraging local expertise, digital innovation, and operational excellence.

## **Company Name:**

Zeconia GIL

## **Scope of Operations:**

Onshore and Offshore Engineering, Construction, Installation procurement and Oilfield Chemical Solution

## **Corporate Values:**

Intelligent, sustainable, and future-ready services

# EXECUTIVE VISION

Zeconia Global Investment Limited is (Zeconia GIL) a world-class integrated energy company delivering total offshore and onshore solutions across the oil & gas industry. Our mission is to provide intelligent, sustainable, and future-ready services that rival global leaders, while leveraging local expertise, digital innovation, and operational excellence.

## MISSION STATEMENT

Our mission is to provide intelligent, sustainable, and future-ready services that rival global leaders, while leveraging local expertise, digital innovation, and operational excellence.

## OUR VISION

To be a leading and most reputable eco-friendly oilfield chemicals and Engineering firm offering superior services that will translate into satisfied clientele.



# CORE SERVICES & DOMAINS



◎ OIL FIELD CHEMICALS

◎ WELL INTERVENTION AND COMPLETIONS

◎ EPCICM



◎ DRILLING & DRILLING SUPPORT SERVICES

◎ PROCESS TECHNOLOGY FOR PRODUCTION

# HEALTH, SAFETY & ENVIRONMENT

Zeconia is committed to Health, Safety and Environment (HSE) excellence in all our areas of operations. We adhere to international standards and industry best practices.

We strive to balance and integrate economic, environmental and social considerations in our business decisions, guided by our Corporate Sustainability Framework. This covers six key result areas namely, shareholder value, natural resource use, HSE, product stewardship, societal needs and climate change.



# OILFIELD CHEMICAL



CRUDE OIL TREATMENT  
CHEMICALS  
(DOWNSTREAM)



WATER TREATMENT  
CHEMICALS

**Scope:** Advanced chemical solutions for drilling, stimulation, production, and enhanced oil recovery (EOR).

## Expanded Offerings

- ⊙ **Drilling Fluid Additives:** Viscosifiers, shale stabilizers, lubricants, and LCMs (Loss Circulation Materials)
- ⊙ **Cementing Chemicals:** Retarders, dispersants, fluid loss additives, anti-gas migration agents
- ⊙ **Production Chemicals:** Scale inhibitors, paraffin dispersants, corrosion inhibitors, demulsifiers, biocides
- ⊙ **Enhanced Oil Recovery (EOR):** Surfactant-polymer blends, alkaline flooding agents, nano-emulsions

# OILFIELD CHEMICAL



DRILLING/PRODUCTION  
CHEMICALS(UPSTREAM)



WELL COMPLETION  
AND STIMULATION CHEMICALS

## **Greenfield Projects**

- ⦿ Reservoir-specific chemical programs based on seismic and
- ⦿ petrophysical data
- Integration of automated dosing systems into facility design

## **Brownfield Projects**

- ⦿ Chemical audits to replace outdated formulations
- ⦿ Remediation programs for scale, corrosion, and microbial growth

# OILFEILD CHEMICAL



## Technology Stack:

- **AI** – Artificial Intelligence for chemical modelling
- **IoT** – Internet of Things-enabled dosing systems with telemetry
- **Blockchain** – Secure tracking of chemical inventory and compliance
- **Digital Twin** – Virtual simulation of reservoir-fluid interaction
- **ESG** – Environmental, Social, and Governance-aligned green chemistry

# WELL INTERVENTION & COMPLETION

**Scope:** Intelligent well access, optimization, and lifecycle extension.

## Client-Focused Solutions

### Greenfield Projects

- Smart completions with fiber-optic sensors and ICDs (Inflow Control Devices)
- Digital twin modelling for optimal well architecture

### Brownfield Projects

- Rigless intervention for shut-in wells
- Thru-tubing re-entry tools for recompletion and stimulation



# WELL INTERVENTION & COMPLETION

## Expanded Offerings

- Smart completions with zonal isolation
- Coiled tubing, wireline, and hydraulic workover units
- Expandable casing patches, dissolvable plugs, milling tools
- **Well integrity diagnostics:** leak detection, annular pressure monitoring, cement evaluation

## Technology Stack

- **Digital Twin** – Pre-intervention well simulations
- **AR** – Augmented Reality interfaces for remote diagnostics
- **Predictive Analytics** – AI-based planning and post-job evaluation
- **Autonomous Robotics** – Intervention tools for high-risk wells



# EPCICM

## ENGINEERING, PROCUREMENT, CONSTRUCTION, INSTALLATION, COMMISSIONING & MAINTENANCE

Full-cycle infrastructure delivery for offshore and onshore assets.

- **UPSTREAM:** Drilling Equipment, Wellheads, Production manifolds, Downhole Electrical Submersible Pumps (ESP), Gas Separation Plants (Onshore/Offshore), Gas treatment plants, Gas/Water injection plants, Offshore/Subsea, Production and service platforms, FPSO Subsea production systems and accessories.
  - **MIDSTREAM:** Compressors/Pumping Stations, Control Valves/Actuators, Flow measurement & Control, Pressure regulating units, Terminals, Tank farms/Storage vessels, Flow stations, Natural Gas/(LNG).
- DOWNSTREAM:** Refinery Process Units, Plants utilities including power distribution & oily water treatment.
- **EQUIPMENT (POWER PLANT & TURBINES):** All types as a complete EPCI, Modular or Standard Power plant and oil/gas production equipment, Gas Monetization Plants



# EPCICM

**ENGINEERING, PROCUREMENT,  
CONSTRUCTION, INSTALLATION, COMMISSIONING  
& MAINTENANCE**

## Client-Focused Solutions

### Greenfield Projects

- Modular fabrication for rapid deployment
- 4D BIM (Building Information Modelling) and AR visualization for stakeholder alignment

### Brownfield Projects

- Facility audits and phased retrofits
- Digital instrumentation upgrades and asset integrity programs

## Expanded Offerings

- **FEED** – Front-End Engineering Design and 3D modelling
- **ERP** – Enterprise Resource Planning for procurement and logistics
- Offshore hook-up and subsea tie-ins
- Pre-startup testing, system validation, performance benchmarking
- Predictive maintenance and turnaround planning

## Technology Stack

- **4D BIM** – Time-sequenced construction modeling
- **Drones** – Inspection and progress tracking
- **NDT** – Non-Destructive Testing systems
- **Cloud Platforms** – Real-time collaboration and reporting
- **ERP Systems** – Integrated procurement and vendor management



# ASSET INTEGRITY MAINTENANCE & MANAGEMENT (AIMM)

**Scope:** Comprehensive solutions to ensure the structural, mechanical, and operational integrity of oil & gas assets throughout their lifecycle—covering design, operation, inspection, and decommissioning phases.

## Client-Focused Solutions

### Greenfield Projects

- Integration of asset integrity protocols during design and construction phases
- Deployment of digital integrity models for predictive maintenance from day one
- Installation of smart sensors and monitoring systems for real-time health tracking

### Brownfield Projects

- Integrity audits and gap analysis for aging infrastructure
- Life extension programs for critical equipment and pipelines
- Failure mode and effects analysis (FMEA) to prevent unplanned shutdowns
- Remediation and retrofitting of corroded, fatigued, or degraded systems

# ASSET INTEGRITY MAINTENANCE & MANAGEMENT (AIMM)

## •Structural Integrity Management

- Inspection and monitoring of platforms, jackets, risers, and subsea structures
- Fatigue analysis, corrosion mapping, and cathodic protection systems

## •Mechanical Integrity

- Pressure vessel inspections, piping system evaluations, and rotating equipment diagnostics
- Vibration analysis, thermography, and ultrasonic testing

## •Pipeline Integrity

- Inline inspection (ILI) using smart pigs
- Leak detection systems, corrosion rate monitoring, and pipeline risk assessments

## •Process Safety & Reliability

- Safety Instrumented Systems (SIS) validation
- Hazard and Operability Studies (HAZOP), SIL (Safety Integrity Level) assessments
- Emergency shutdown system (ESD) testing and verification

## •Inspection & Certification Services

- API (American Petroleum Institute), ASME (American Society of Mechanical Engineers), and ISO-compliant inspections
- Third-party audits and regulatory reporting

## Digital Integrity Management

- Asset integrity dashboards for centralized monitoring
- Predictive analytics for failure forecasting
- Integration with CMMS (Computerized Maintenance

# ASSET INTEGRITY MAINTENANCE & MANAGEMENT (AIMM)

## Technology Stack

o

**AI & ML** - Predictive maintenance algorithms and anomaly detection

**NDT Tools** - Non-Destructive Testing: ultrasonic, radiographic, magnetic particle, eddy current

**Drones & Robotics** - Remote visual inspection of inaccessible or hazardous areas

**CMMS** - Computerized Maintenance Management System for scheduling and tracking

**SCADA** - Supervisory Control and Data Acquisition for centralized monitoring

**Digital Twin** - Virtual replica of assets for real-time integrity simulation and forecasting

**IoT Sensors** - Real-time data collection on stress, corrosion, vibration, and temperature

**FMEA** - Failure Mode and Effects Analysis for risk prioritization

**HAZOP & SIL** - Process safety evaluations and safety integrity level assessments

# DRILLING & DRILLING SUPPORT



**Scope:** High-performance drilling operations with integrated support systems.

## Client-Focused Solutions

### Greenfield Projects

- Automated rigs with AI-driven RSS (Rotary Steerable Systems) and telemetry
- Custom mud programs for lithology and pressure profiles

### Brownfield Projects

- Re-entry drilling and sidetracks
- Fishing and cleanout operations to restore wellbore access

# DRILLING & DRILLING SUPPORT

## Expanded Offerings

- Vertical, directional, and horizontal drilling
- MPD – Managed Pressure Drilling systems
- Custom mud systems: WBM (Water-Based Mud), OBM (Oil-Based Mud), SBM (Synthetic-Based Mud)
- Casing & cementing: centralizers, float equipment, zonal isolation
- ROP – Rate of Penetration enhancement and bit performance tracking

## Technology Stack

- Edge Computing – Onsite data processing
- AI Algorithms – Drilling optimization and predictive analytics
- Remote Rig Control – Unmanned operations and automation
- Digital Dashboards – Crew coordination and performance monitoring
- Telemetry – Real-time downhole diagnostics



# PROCESS TECHNOLOGY FOR PRODUCTION



**SCOPE:** End-to-end production systems for offshore and onshore facilities.

## TECHNOLOGY STACK

**SCADA** – Supervisory Control and Data Acquisition systems

**IoT Sensors** – Predictive asset monitoring

**AI Modeling** – Reservoir forecasting and optimization

**CCS** – Carbon Capture and Storage integration

**Digital Twins** – Facility simulation and performance modeling

# PROCESS TECHNOLOGY FOR PRODUCTION

## Client-Focused Solutions

### Crude Oil Separation

- **Greenfield:** Modular three-phase separators and electrostatic treaters
- **Brownfield:** Retrofit desalters and emulsion breakers to improve BS&W (Basic Sediment & Water)

### Gas Processing

- **Greenfield:** Dehydration and sweetening systems with flare gas recovery
- **Brownfield:** Compressor upgrades and mini-GTL (Gas-to-Liquid) units

### Produced Water Treatment

- **Greenfield:** CPI (Corrugated Plate Interceptors), IGF (Induced Gas Flotation), and membrane systems
- **Brownfield:** Sludge dewatering and filtration upgrades

### Sea Water Treatment

- **Greenfield:** SRUs (Sulfate Removal Units), de-aeration, and UV sterilization
- **Brownfield:** Filtration and dosing system retrofits

### Solid Handling

- **Greenfield:** CRI (Cuttings Re-Injection) systems and automated solids conveyance
- **Brownfield:** TDU (Thermal Desorption Units) and sand

# ZECONIA'S DUAL-FIELD MASTERY

## Greenfield Development

**Focus:** Innovation, modularity, future-ready design

**Approach:** Building new infrastructure from the ground up

**Outcomes:** Highly customizable, scalable, sustainable

**Examples:** New terminals, gas processing plants, offshore platforms

**Key Advantage:** Smart, connected, digitally integrated assets

**Challenges:** Higher capital investment, longer timelines

## Brownfield Optimization

**Focus:** Efficiency, sustainability, lifecycle extension

**Approach:** Repurposing and upgrading existing assets

**Outcomes:** Cost-effective, faster deployment, improved asset life

**Examples:** Plant modernization, equipment retrofits, recovery systems

**Key Advantage:** Rapid ROI, optimized operational efficiency

**Challenges:** Structural limits, integration complexity

# STRATEGIC OUTCOMES

- ◉ Accelerated time-to-first-oil in Greenfield projects
- ◉ 30–50% cost savings in Brownfield upgrades
- ◉ Extended asset life and improved ESG performance
- ◉ Full compliance with international standards
- ◉ Real-time visibility across operations for clients and regulators



# OUR CLIENTS



# OILFIELD CHEMICAL (DRILLING & PRODUCTION) PARTNERS



DOW CHEMICAL  
COMPANY



EVONIK INDUSTRIES  
AG



BASF



NOURYON



PRODUCTION CHEMICAL  
SOLUTIONS DMCC



INNOSPEC



DOSAS



AQUANILE



DESHI ENERGY

# EPCICM PARTNERS

## AAGER / ERGIL

1. Modular Process Technology Skid Equipments for Production
  - Oil, gas and Water separators
2. Pipeline Pigging Systems
  - Intelligent Pig Launchers and Receivers
3. Heat Exchanger
4. Scrubber Systems
5. Pressure vessels



## GEVEKE

1. Chemical Injection Packages (Onshore & Offshore - Platforms & FPSO)
  - Conventional & Solar powered
2. Membrane Nitrogen Generation Packages



## STORAGETECH

1. Atmospheric Storage Tanks
2. Flame Arrestors
3. Pressure Vacuum Valves
4. Air & Gas Absorbers - Scrubbers
5. Floating roofs & seals
6. Firefighting & Emergency reliefs valves & gauges
7. Floating Suction Units



## EXAKTA

Metering & Process Pumps designed for both diaphragm & Plunges type ( API 675 & 674)



# EPCICM PARTNERS

## BGR TECH LIMITED

Provides advanced process engineering solutions and proprietary technologies for oil and gas facilities, supporting efficient plant design, optimization, and reliable operations across upstream and downstream applications.



# ASSET INTEGRITY MANAGEMENT PARTNER

## VELOSI ASSET INTEGRITY & ENGINEERING CONSULTANCY LLC

- Inspections & Intervention
- Custom Digital solutions for AIMS (Digital twin, Dashboard, and CMMS)
- Pipeline/Structural/ Wellhead Integrity Management systems for onshore & onshore assets



# CONTACT US

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