



# COMPANY PROFILE

ASSET INTEGRITY

*Innovative Thinking; Simple Solutions.*



## ABOUT BLAQSKYE

Blaqskye International is an Asset Integrity and Process Safety outfit with a significant amount of experience serving the power industry, manufacturing and oil and gas sector (Refinery, Tank Farms, LNG, Fuel/LPG Stations, Processing Plants, construction etc).

With emerging global trends such as low oil price, renewable energy and covid type pandemics – the profitability of oil, gas and traditional power companies is seriously threatened. Continued survival depends largely on significantly reduced operating costs – zero leaks, lower inspection and maintenance costs, all enabled by smart technology, predictive analytics.





## CORE VISION

To provide technologically advanced services to our clients with competent engineering support. ◀

To maintain high service delivery, client engagement and reporting standards. ◀

Total commitment to safe execution, zero delays, quality and cost effectiveness. ◀



## CORE MISSION

To be globally recognized as the exceptional specialist in the process safety, inspection and integrity industry.



## CORE VALUES

Professionalism, Integrity and Innovation.



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## PROJECTS AND DESIGN

### ► Materials Selection/Corrosion Modelling

Major cost savings and technical integrity are achieved early in a project / modification activity – particularly during design. We provide a crisp understanding of corrosion trends and material options to achieve project objectives.

### ► Corrosion & Integrity Design Specification

Due to the dearth of competent corrosion experts and technical authorities, we offer this service to develop specifications such as coating, welding, corrosion management, isolation, corrosion inhibition system, induction bend etc.

### ► Integrity Projects

Our certified experts can manage the negotiation, procurement and installation of cathodic protection systems, line pipe procurement, corrosion inhibitor qualification, and baseline inspection. We also conduct routine facility inspection (CUI, phased array, PMI, radiography, NDT, thermal inspection etc) as required with predictive analysis included.

### ► Materials Testing & Research

Oftentimes, we want to push the envelope and challenge existing norms - whether its materials operating at subzero temperatures or valves modified to eliminate cavitation, our track record in this space guarantees reliable outcomes everytime.





## OPEX REDUCTION - CoREPS

### Inspection & Maintenance Effectiveness Review ◀

Most companies do not have an optimal inspection and maintenance program. Its either an activity is too frequent or use the wrong tool or even worse, the data generated is not used optimally with zero predictive information. Our competent review using the CorriManager tool solves this problem completely.

### Corrosion Control & Monitoring Optimization ◀

Identified corrosion barriers to curb corrosion threats may not be optimally applied resulting in rapid deterioration and OPEX losses. We are able to design and implement a robust monitoring and control solution on demand.

### Chemical & Sampling Optimization Review ◀

A major cost center in many facilities is chemicals procurement which is usually in excess of actual dose requirements. Also, whether its chemicals for corrosion protection or process improvement, consideration of their interactions and impact to equipment are often ignored – a lot of losses / damages from chemicals go unnoticed. Subscribe to our CorriManager tool and our expert team will solve this problem.

### Life Extension Modelling and Assessment ◀

An investor is interested in acquiring an existing asset. Best practice requires that an assessment is done to determine the remaining service life of the facility/well/pipeline. While the reserves could last 60years, the actual facility may not last that long without upgrades, replacements and modifications. We are on hand to provide a model which details the useful life of the facility 'as-is' and how much additional service life can beachieved by upgrades, repairs and modifications.



# TARGET ZERO

## ► Defect Assessment / Assessed Corrosion Rate Evaluation

You have recurring leaks but there is no clear understanding of the cause or mechanism, thus all proposed solutions have failed. We offer a solution heavily dependent on technology to determine the root cause in the shortest possible time.

## ► Technology Gap Assessment

Identifying the right technology to complement an existing facility can be tricky. Technologies to improve production or asset integrity always require a competent specialist during selection and after installation. We provide the manpower and consulting support to maximize investments in new technology.

## ► Pipeline/Well/Facility Integrity Evaluation

With continued production in operating assets, corrosion and degradation is also continuous. This implies that routine integrity assessments of the facility is required to identify the issues, provide an integrity rank and detail recommendations to improve the integrity ranking.

## ► Technical Audits

To achieve zero leaks and constantly reducing GHG emissions, process safety and integrity audits are required to improve processes, correct errors and align with best practices. Additionally, studies such as Quantitative Risk Analysis (QRA), FERA, BowTie, Safety Case, Blowdown Study etc provide useful information to the auditors. Our certified auditors are on hand to support your asset.





## PROJECT & OPERATION EXECUTION

### Integrity Modelling/Assessment for Asset Acquisition ◀

Investors procure assets with very little data on the integrity of the facility. Often times, data provided prior to purchase is heavy on reserves or exploration potential. This opens investors to unplanned expenses when they need to operate heavily corroded facilities. Our assessments provide the investor with critical integrity data to aid his bid and asset appraisal activities.

### Operations Readiness & Baseline Inspection ◀

Best practice requires baseline inspections before commissioning and after major maintenance activity (if applicable). This activity is often overlooked and causes problems during operations. Additionally, a review of operational readiness is critical to the successful commissioning of a facility. The required documentation, flaw detection and inspection outcomes are captured in CorriManager for future use.

### Chemical & Sampling Optimization Review ◀

An optimized mix of sensors, new technology and historical or current inspection data can tell a lot about the future reliability of a facility. Superimposing additional information such as fluid chemistry and process parameters makes for an even more potent prediction tool. Our experts can deliver this PCM using the CorriManager with little or no disruption to your operations.

### Life Extension Modelling and Assessment ◀

On going fabrication and construction activity require eagle eyed inspectors to ensure that little errors do not result in major losses for the company. Our inspectors are fully qualified and available to support your project on demand.







# PAST PROJECTS



**TANK FARM INTEGRITY ASSESSMENT FIRE & GAS STUDY FOR A FLOW STATION.**



**COMMERCIAL & TECHNICAL EVALUATION FOR A GAS FLARE REDUCTION PROJECT .**



**FINANCIAL MODELLING / EVALUATION FOR AN LPG FACILITY.**

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## CONTACT INFORMATION

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We offer a FREE facility evaluation or lunch and learn.



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# CORRIMANAGER TOOL

