

GSTIN: 24FYYP2471A1Z2

"Consultant Specialist in Chartered Engineer & P.Eng Certification, Welding, Painting, DT & NDT, ASME, ISO Auditing, QA/QC, TPI, Project Management & Expediting, Engineering Design, Failure Analysis, and Manpower & Equipment Supply – Serving Energy, EPC, Renewable, and Oil & Gas Sectors Worldwide."

105, Lad complex, Plot No. 239, Building -B, 1st floor, G. I. D.C, 1st Phase,
Umbergaon-396171 Email: nioxenergy@outlook.com & info@nioxenergy.com
Web: <https://nioxenergy.com/>; Mo.: +91-7633012172

Industrial Services

1. Chartered Engineer Services & Certificate Issue

- ✚ **Tender & Bid Compliance:** CE certification for national/international tenders, ensuring eligibility and technical compliance.
- ✚ **Export Documentation & Form 1A:** Certification for customs clearance, CE-mark conformity, and international market access.
- ✚ **Vendor Registration Support:** Technical certification and documentation for vendor enlistment with PSU, EPC, OEM, and global procurement portals.
- ✚ **Industrial Licensing & MSME Tenders:** Chartered Engineer endorsements for industrial licensing applications, MSME tenders, and qualification for government-funded projects.
- ✚ **Asset Valuation & Condition Reports:** Inspection and certification for operational machinery, plant, and equipment to support operational approvals, leasing, insurance claims, or asset disposal.
- ✚ **Scrap & Obsolete Asset Disposal:** Government-compliant certification for auction, sale, or scrapping of decommissioned plant, equipment, and industrial assets.
- ✚ **Import & Project Equipment Clearance:** Chartered Engineer reports for capital goods import under EPCG, SEZ, or project import schemes, ensuring duty concession eligibility and DGFT compliance.
- ✚ **Pre-Shipment & Factory Acceptance Certification:** Independent third-party inspection and CE certification for quality verification before dispatch.
- ✚ **Energy, EPC & Renewable Sector Compliance:** Specialized CE documentation tailored for energy, renewable, oil & gas, and EPC project requirements, in line with international codes & standards.
- ✚ **Project Stage Verification:** Certification for project milestones and commissioning stages as per client or regulatory requirements.
- ✚ **Technical Opinion & Dispute Resolution:** Chartered Engineer opinions for arbitration, legal disputes, or warranty claims involving technical performance or contractual compliance.

2. Professional Engineering- P.Eng Services

- ✚ **Statutory & Regulatory Compliance:** Issuance of P.Eng certified reports, drawings, and documentation to meet local, national, and international engineering regulations.
- ✚ **Factory & Site Inspections:** Comprehensive inspections for manufacturing plants, fabrication yards, and project sites with P.Eng-certified compliance verification.
- ✚ **Technical Authority Sign-Offs:** Professional engineering endorsement on design calculations, engineering drawings, material specifications, and critical project documentation.
- ✚ **Welding Engineering Expertise:** Consultancy for Preliminary Welding Procedure Specifications (PWPS), Welding Procedure Specifications (WPS), and Procedure Qualification Records (PQR) in compliance with ASME, AWS, BS EN, ISO, and CSA standards.
- ✚ **Engineering Review & Certification:** Independent review and validation of structural, mechanical, piping, and pressure equipment designs to ensure safety, reliability, and code compliance.
- ✚ **Import & Export Certification:** P.Eng reports for cross-border equipment approval, meeting Canadian, US, and international engineering authority requirements.

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- ✚ **Third-Party Verification** – P.Eng oversight on vendor deliverables, fabrication quality, and project documentation.
- ✚ **Specialized Sector Compliance:** P.Eng certification tailored for energy, renewable, oil & gas, EPC, and heavy engineering projects.

3. IBBI (Insolvency and Bankruptcy Board of India)- Approved Valuation

- ✚ **Statutory compliance** : factory inspections, and technical authority sign-offs.
- ✚ **Solvency Certification Valuation** – Independent plant & machinery valuation to support solvency certificates for statutory and regulatory filings.
- ✚ **Insolvency & Bankruptcy Proceedings** – Valuation reports in compliance with IBC guidelines for insolvency resolution and liquidation
- ✚ **Plant & Machinery Stability Reports** – Structural stability assessments with supporting documentation for regulatory approvals
- ✚ **Scrap & Obsolete Asset Valuation** – Fair market value assessment for scrap sale, disposal, or recycling.

4. Competent Person Certification (Factories Act)

- ✚ **Authorized inspections** of pressure vessels, boilers, cranes, hoists, lifting tools, etc.
- ✚ **Pressure Vessel Inspection & Certification** – Thorough examination and testing of unfired pressure vessels in compliance with statutory requirements.
- ✚ **Boiler Inspection & Certification** – Authorized inspections as per Boiler Regulations for safe operation and compliance.
- ✚ **Cranes, Hoists & Lifting Equipment** – Safety inspections, load testing, and certification for overhead cranes, mobile cranes, EOT cranes, chain pulley blocks, and hoists
- ✚ **Lifting Tools & Tackles** – Periodic examination and certification of slings, shackles, hooks, and other lifting accessories
- ✚ **Material Handling Equipment** – Safety inspection and certification of forklifts, reach stackers, and similar equipment.
- ✚ **Compliance Documentation** – Statutory reports and certificates accepted by factory inspectorates and government authorities
- ✚ **Third-Party Safety Audits** – Independent safety assessments to ensure operational reliability and minimize downtime.

5. Audit Consultant / Training (ISO-QMS/EMS/OHSAS):

- ✚ **ISO 9001 – Quality Management System (QMS):** Consultancy & training for implementing effective quality control, process standardization, and continual improvement practices.
- ✚ **ISO 14001 – Environmental Management System (EMS):** Consultancy & training for sustainable operations, environmental compliance, and resource efficiency.
- ✚ **ISO 45001 – Occupational Health & Safety Management System (OHSMS):** Consultancy & training to ensure workplace safety, risk control, and statutory compliance
- ✚ ISO 9001, 14001, 45001 Internal & Supplier Audits – documentation & gap assessments.

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- ✚ **Integrated Management System (IMS – ISO 9001, 14001, 45001):** Implementation, consultancy, and training for a unified, efficient management system
- ✚ **Internal & Supplier Audits:** Conducting in-depth audits for ISO 9001, 14001, and 45001 including documentation review, compliance verification, and supplier performance assessments.
- ✚ **Gap Analysis & Corrective Action Planning:** Identifying non-conformities and developing action plans to achieve or maintain ISO certification.
- ✚ **Audit Documentation Preparation:** Complete preparation of manuals, procedures, checklists, and audit records to meet certification body requirements.
- ✚ **Awareness & Skill Development Training:** Tailored sessions to enhance employee understanding of ISO standards and their role in maintaining compliance.

6. Project Expediting & Project Management Consultancy: Led by PMP® & PRINCE2® certified experts, we provide comprehensive **Project Management Consultancy, Training, and Expediting Services** for EPC, energy, renewable, oil & gas, and industrial projects. Our approach integrates PMI's PMBOK® and PRINCE2® best practices to ensure projects are delivered **on time, within budget, and to the highest quality standards.**

- ✚ **Project Integration Management** – Coordinating project elements into a unified, value-driven execution strategy.
- ✚ **Project Scope Management** – Defining, controlling, and managing deliverables to avoid scope creep and ensure client satisfaction.
- ✚ **Project Time Management** – Developing and controlling schedules to ensure timely completion.
- ✚ **Project Cost Management** – Budget planning, cost estimation, and financial control to maximize ROI
- ✚ **Project Quality Management** – Implementing quality assurance frameworks and performance monitoring systems
- ✚ **Project Human Resource Management** – Resource planning, competency mapping, and team optimization
- ✚ **Project Communication Management** – Streamlining stakeholder communications to enhance collaboration and decision-making.
- ✚ **Project Risk Management** – Identifying, assessing, and mitigating potential project risks
- ✚ **Project Procurement Management** – Vendor selection, contract management, and procurement optimization.
- ✚ **Project Stakeholder Management** – Engaging stakeholders to ensure alignment, transparency, and long-term success.

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7. Welding Consultancy & Training Services: We provide complete **welding engineering, inspection, and training solutions** in compliance with **ASME, AWS, BS EN, and ISO standards**, delivered by **Certified Welding Inspectors (CSWIP / AWS)**

- ✚ **WPS (Welding Procedure Specification) Consultancy** – Development and qualification of welding procedures for diverse materials and processes.
- ✚ **PWP (Preliminary Welding Procedure Specification) Consultancy** – Preliminary documentation to establish process feasibility before full qualification.
- ✚ **PQR (Procedure Qualification Record) Consultancy** – Qualification testing and documentation as per applicable codes.
- ✚ **WQT / WPQ (Welder Qualification Test / Welder Performance Qualification)** – Testing, assessment, and certification of welders.
- ✚ **Welding Audits & Compliance Verification** – Ensuring adherence to international welding standards.
- ✚ **Welding Process Consultancy** – Expertise in SMAW, GTAW, SAW, FCAW, GMAW, and other processes.
- ✚ **Welder Training & Skill Development** – Practical and theoretical training for welders to meet industry requirements.
- ✚ **Welding Documentation Preparation** – Preparation of complete technical records for client and regulatory compliance.

8. Painting & Coating Consultancy & Training Services

- ✚ **PQR (Procedure Qualification Record) Consultancy** – Qualification of painting/coating procedures as per client and project specifications.
- ✚ **Blaster & Painter Qualification Testing** – Certification of personnel for industrial blasting and painting activities.
- ✚ **Blaster & Painter Card Preparation** – Issuance of competency cards for qualified personnel.
- ✚ **Blasting & Painting Inspection** – Certified inspections by B-GAS / NACE-qualified inspectors.
- ✚ **Blaster & Painter Training** – Comprehensive training programs for skill enhancement.
- ✚ **Painting Documentation Preparation** – Preparation of inspection reports, qualification records, and compliance documentation.

9. ASME Consultant / Training:

- ✚ Consultancy for **ASME Section VIII Div. 1 & Div. 2** pressure vessel design & compliance.
- ✚ Guidance for **ASME U, U2, R, S Stamp** certification.
- ✚ ASME audit preparation, consultancy, and documentation support.

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10. DT & NDT Consultant / Training:

- ✚ RT, UT, PT, MPT testing consultancy & training.
- ✚ Hardness, PMI, and Ferrite testing.
- ✚ MT – Mechanical Testing support through NABL-accredited laboratories.
- ✚ ASNT NDT Level II / III training & qualification.
- ✚ NDE documentation preparation and compliance support.

11. Third Party Inspection (TPI) Services:

- ✚ **Quality Control & Quality Assurance** – End-to-end QC/QA management for fabrication, construction, and commissioning.
- ✚ **Pressure Vessel Inspection** – As per ASME Sec VIII Div. 1 & 2, API 510, API 580.
- ✚ **Process Piping Inspection** – As per ASME B31.3, API 570, API 580.
- ✚ **Power Piping Inspection** – As per ASME B31.1.
- ✚ **Tank Inspection** – As per API 650, API 653, API 580.
- ✚ **Structural Inspection** – As per AWS D1.1 standard.
- ✚ **Welding Inspection** – By CSWIP / AWS Certified Welding Inspectors.
- ✚ **Painting / Coating Inspection** – By B-GAS / NACE Certified Painting Inspectors.
- ✚ **API Inspection** – By Certified API Inspectors (API 510, API 570, API 653, API 580).
- ✚ **NDE Inspection** – By ASNT Level II / III certified professionals.
- ✚ **Auditing Services** – ISO, API, ASME audits and compliance verification.
- ✚ **ITP (Inspection & Test Plan) Preparation** – For welding, painting, NDE, and related activities.
- ✚ **Method Statement Preparation** – Detailed procedures for welding, painting, and NDE processes.
- ✚ **Stage Inspection Witnessing** – As per approved ITP.
- ✚ **Final Documentation Review** – Compilation and verification of MRB (Manufacturing Record Book) for project handover.

12. Equipment & Suppliers of heavy machinery

Product/Services offerings:

- ✚ PSA Oxygen Gas Plant
- ✚ PSA Nitrogen Gas Plant
- ✚ Air Dryer Units
- ✚ Ammonia Cracking Units
- ✚ Nitrogen Gas Dryers for Superior Moisture Control
- ✚ Aluminium Melting Furnace
- ✚ Air Pollution Control Machine
- ✚ Hot Top Casting, Slabe Casting
- ✚ Ingot Caster Conveyor, Heating Oven
- ✚ Belt Conveyor, Cylinder, Hydraulic Press
- ✚ Power Pack

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- ✚ Welding Equipment Supply
- ✚ Blasting & Painting Equipment Supply
- ✚ NDE Equipment Supply
- ✚ Lifting & Equipment Supply
- ✚ Oil and Gas Equipment Supply

13. B2B Supply Solutions

Industrial Products

- ✚ **Flanges:** Weld Neck, Slip-On, Blind, Socket Weld, Threaded, Lap Joint (*ASME, ANSI, DIN, BS Standards*)
- ✚ **Pipes & Tubes:** Seamless & ERW (*Carbon Steel, Stainless Steel, Alloy Steel, Duplex & Super Duplex*)
- ✚ **Fittings:** Elbows, Tees, Reducers, Caps, Couplings (*Butt Weld – Welded & Seamless, Socket Weld*)
- ✚ **Plates & Sheets:** Mild Steel, Stainless Steel, Alloy Steel

Comprehensive Gas Plant Solutions & Spares

- ✚ **Oxygen & Nitrogen Plants**
Installation, maintenance, and spare supply for PSA and cryogenic systems.
- ✚ **CO₂ & Ammonia Plants**
Professional servicing and quality parts for industrial gas systems.
- ✚ **Air Separation Units (ASU)**
End-to-end support for cryogenic air separation plants and related equipment.
- ✚ **Cylinder Filling Stations**
Setup, servicing, and spare supply for filling systems.

14. Installation, Commissioning & Shutdown Projects

We cater to **Oil & Gas, Petrochemical, Power, Renewable, Fertilizer, and Heavy Engineering** sectors, delivering skilled manpower, technical expertise, and project management capabilities to meet critical timeline

Service Capabilities

I. Installation Services

- ✚ Mechanical equipment erection (pumps, compressors, turbines, boilers, pressure vessels, heat exchangers)
- ✚ Piping fabrication & erection (ASME B31.1, B31.3)
- ✚ Structural steel erection
- ✚ Electrical & instrumentation installation
- ✚ Skid/module installation for packaged units

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II. Commissioning Services

- ✦ Pre-commissioning checks & system validation
- ✦ Flushing, hydrotesting, leak testing, and NDT as per codes
- ✦ Equipment start-up & functional testing
- ✦ Calibration of instruments and control systems
- ✦ Performance testing & handover documentation

III. Shutdown & Turnaround Projects

- ✦ Planned preventive maintenance activities
- ✦ Critical equipment replacement & refurbishment
- ✦ Debottlenecking & plant modifications
- ✦ Weld repairs, re-rating & thickness restoration
- ✦ Execution under tight schedules to minimize downtime

15. Qualified Man Power Supply:

- ✦ Qualified Engineers/ Inspectors
- ✦ Welding Inspector Supply
- ✦ Painting Inspector Supply
- ✦ NDE Inspector Supply
- ✦ Auditor Supply
- ✦ Lifting Inspector
- ✦ Welder Supply
- ✦ Blaster & Painter Supply

16. Engineering Design Capabilities

Rotary | Static | Piping | Structural | Drafting & 3D Modeling

Expertise using AutoCAD, SolidWorks, PDMS, STAAD.Pro, PV Elite

- ✦ Pressure Vessel Design (ASME SEC VIII DIV.1 & 2)
- ✦ Process Piping Design (ASME B31.3)
- ✦ Power Piping Design (ASME B31.1)
- ✦ Tank Design (API 650)
- ✦ Structural Design (AWS D1.1)

17. Global Engineering Services from India

We proudly support international clients across Saudi Arabia, UAE, Africa, Europe, and Southeast Asia with remote and on-site inspection, certification, engineering documentation, and design services.

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18. Connect With Us for ARAMCO-Approved Inspectors for Saudi & UAE Location.

✓ Mechanical, Welding, Electrical

QM 02	Instrumentation
QM 01	Electrical General (14-18)
QM 03	Mech General
QM 05	Line Pipe
QM 07	Valve
QM 11	Coating
QM 17	Cables
QM 30	Pressure Vessels
QM 31	Heat Exchanger
QM34	Tank
QM 35	Skid mounted Equip- Mech
QM 36	Skid mounted Equip- Elec

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