

INDUSTRY SERVICES

BUREAU VERITAS
SOUTH ASIA REGION



**BUREAU
VERITAS**

OUR COMPREHENSIVE RANGE OF SERVICES

01

INDUSTRIAL PRODUCT CERTIFICATION



- Bureau Veritas Product Certifications EN 15085, ISO3834 etc. Accredited and Voluntary Services
- Country specific statutory/regulatory requirements like SANS347, NR13 etc.
- ASME AIA Services including Nuclear.
- Notified Body Services for CE Marking PED, TPED, CPR, LIFT, MEDICAL
- Indian Boiler Regulations (IBR) including RLA
- Petroleum & Explosive Safety Organisation (PESO) SMPV, Gas Cylinder Rules, Petroleum Rules.
- Department of Occupational Safety & Health, Malaysia (DOSH)
- Ministry of Manpower, Singapore (MOM)
- Department of Transportation, US (DOT)
- Material Manufacturer Certification as per PED 2014/68/EU and AD Merkblatter Norsok Certification
- ECE R110 For CNG and LNG

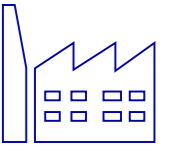
02

ELECTRICAL & INSTRUMENTATION (E&I)



- E&I Design / Technical Reviews
- E&I Shop Inspection
- E&I Site Audits QA, QC for every Sector (Oil & Gas / Solar / Wind / Power /Process Telecom / T&D / EVCS)
- Retail Outlet Automation Audits
- E&I Site Failure Investigations / Root Cause Analysis (Transformer / Cables /Telecom Site - Specific Reqmt)
- Electrical Safety Audit / Thermography
- Energy Audit (Walk Through / Comprehensive)
- CE / ATEX / SIL Assessments
- Type Test Witness/Type Approval / Homologation
- CPS Electrical & Electronics - Lab testing (Rohs/LVD/EMC/Product Certifications..)
- Arc Flash Study
- Short Circuit Study
- Relay Coordination Study
- Power Quality Audit
- IEC Ex / Comp Ex Inspection & Site Audits
- BS 7671 Technical Audit

OUR COMPREHENSIVE RANGE OF SERVICES



03 PROCUREMENT INSPECTION AND SITE INSPECTION



Third Party Inspection Services

- Shop Inspections including Electrical, Mechanical and Instrumentation Local and Worldwide Support
- Aramco Inspection by Approved Aramco Surveyor
- Inspection at onshore and offshore location
- Review and Approval of QA/QC Documents
- Vender Capability Assessment
- Specialized Lab Test Witnessed during Shop and Construction Activities
- Advanced NDT Witness and Interpretation
- Engineering, Procurement and construction Audit at different phases of project
- Supply R - Large Commercial Model

04 TECHNICAL CENTRE SERVICES



- Design Appraisal: Equipment, Piping, Pipeline, Civil and Structural, E&I, Crane
- Independent Design Verification
- Hazard Assessment: HIRA, HAZID/ ENVID, HAZOP, HAZCON, SIMOPS, CHAZOP, HAC
- SIL Assessment, RAM, FMEA, PHSER, CFD
- Safety Studies: QRA, ALARP, Fire & Explosion, Gas Dispersion, F&G Mapping, Noise & Vibration, EERA
- Fitness for Services(FSS), Residual Life Assessment (RLA), ECDA, ICDA, RCA
- Risk Based Inspection (RBI) & Corrosion Studies, RCM
- Offshore Platform Recertification
- Technical Due Diligence

05 RENEWABLE ENERGY

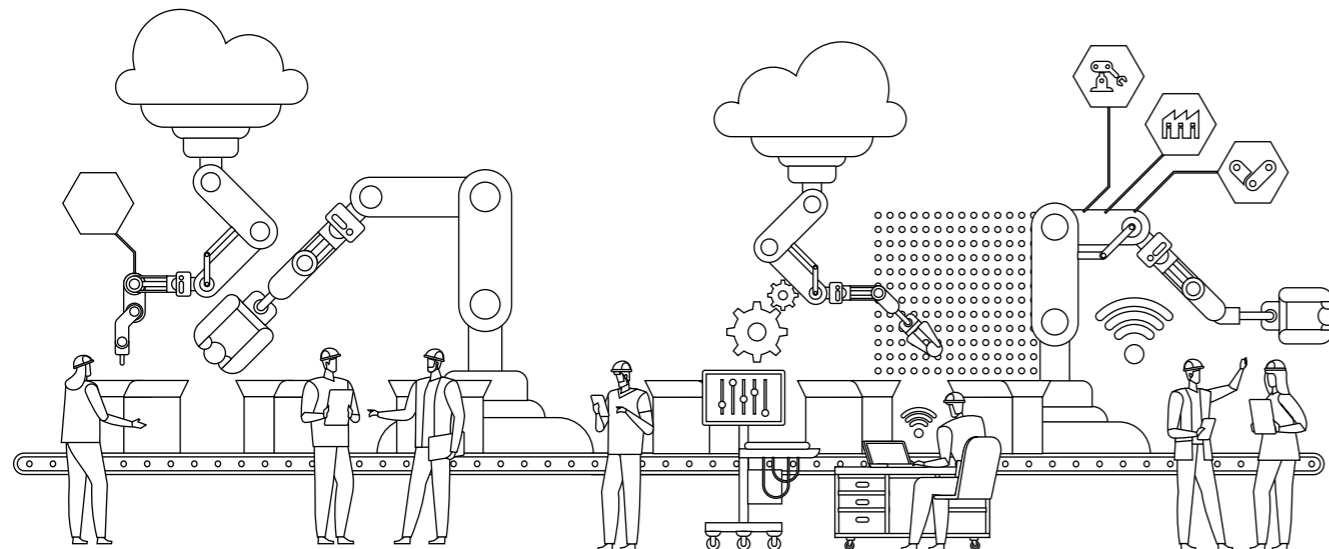


- Feasibility Study
- Bird & Bat study (for Wind)
- Safety and Environmental Audits
- Owners Engineering
- Project Management Consultancy
- Design Review
- Supplier Technical Assessment (STA)
- Shop Inspection, Expediting
- Quality Site Inspection
- Health & Safety Management
- NDT Services
- In-Service Inspection & Verification
- Asset Integrity Management
- Performance testing at site for Solar Plants
- Lenders Engineering
- Owners Engineer
- Project Management consultancy & Assistance
- Supervision of Com-missioning test run
- Technical Due Diligence (TDD) for Solar/Wind Projects
- Environment & Social Impact Assessment (ESIA)

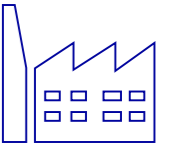
06 CYBER SECURITY SERVICES



- Vulnerability-Assessment-Penetration-Testing
- IEC 62443 Products & Systems Testing
- IEC 62443 2-4 Org & Process Security
- IEC 62443 4-1 Product development processes
- IEC 62443 3-3 System Security



OUR COMPREHENSIVE RANGE OF SERVICES



07



HEALTH SAFETY AND ENVIRONMENTAL (HSE) SERVICES

- Safety Culture Transformation
- Project HSE Management during construction phase
- On-site HSE Coordination and Surveillance
- Process Safety Management (PSM) Implementation
- HSE Training
- HSE Audits, Assessments and Due Diligence
- Machinery Safety Conformity Assessment
- Hazard Identification and Risk Assessment (HIRA)
- Safety Awareness and Perception Survey
- Preparation / Review and validation of On-site Emergency Plan

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ENVIRONMENTAL TESTING AND CONSULTANCY SERVICES

- Environmental Testing & Monitoring as per CPCB/SPCB
- Environmental / Carbon Consultancy Services
- Industrial Hygiene Study as per NIOSH
- Work Place Monitoring Study as per Factories Act.
- Indoor Air Quality Monitoring at Offices and Workplaces.
- Industrial Sample Testing in NABL/ MoEF Accredited Lab

09



HSE STATUTORY SERVICES

- T4S audits as per PNGRB Regulations
- Certification of Emergency Response and Disaster Management Plan (ERDMP) as per PNGRB Regulations

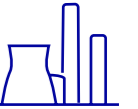
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RAIL SERVICES

- Independent Safety Assessment as per CENELEC EN 50126, EN 50128 & EN 50129
- Generic Product Certificate of Signalling System & Rolling Stock subsystems.
- Supplier Audit for Safety Management.
- Rolling Stock Inspection.

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INDUSTRY SEGMENT COVERED

- Oil & Gas (Upstream, Midstream, Downstream)
- Power & Utilities (Renewable, Thermal, Nuclear, Hydro, Green Hydrogen, T&D, Water Management, Waste Management, Telecom 5G, Energy Storage - BESS, Pumped Storage Hydro, EVCS)
- Chemical & Fertilizer
- Metal & Mines





SHAPING A WORLD OF TRUST

Bureau Veritas is a Business to Business to Society service company, contributing to transforming the world we live in. A world leader in testing, inspection and certification, we help clients across all industries address challenges in quality, health & safety, environmental protection and social responsibility.

REGISTERED OFFICE

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