

BUREAU VERITAS

SAR PRESENTATION

SHAPING A WORLD OF TRUST

A GLOBAL LEADER IN TESTING, INSPECTION AND CERTIFICATION

2024



01.
BV at a glance

A BUSINESS TO BUSINESS TO SOCIETY COMPANY

Our employees serve our clients and are inspired by society; they make Bureau Veritas a Business to Business to Society service company that contributes to **positively transforming the world we live in**.

Thanks to our unrivalled expertise, technical knowledge and worldwide presence, we support our clients by managing **quality**, **safety**, **health and sustainability risks**, to the benefit of society as a whole.

OUR MISSION

Shaping a World of Trust by ensuring a responsible progress.



KEY FIGURES



€5.9
billion

CA EN 2023



83,000
employees*



400,000+
clients

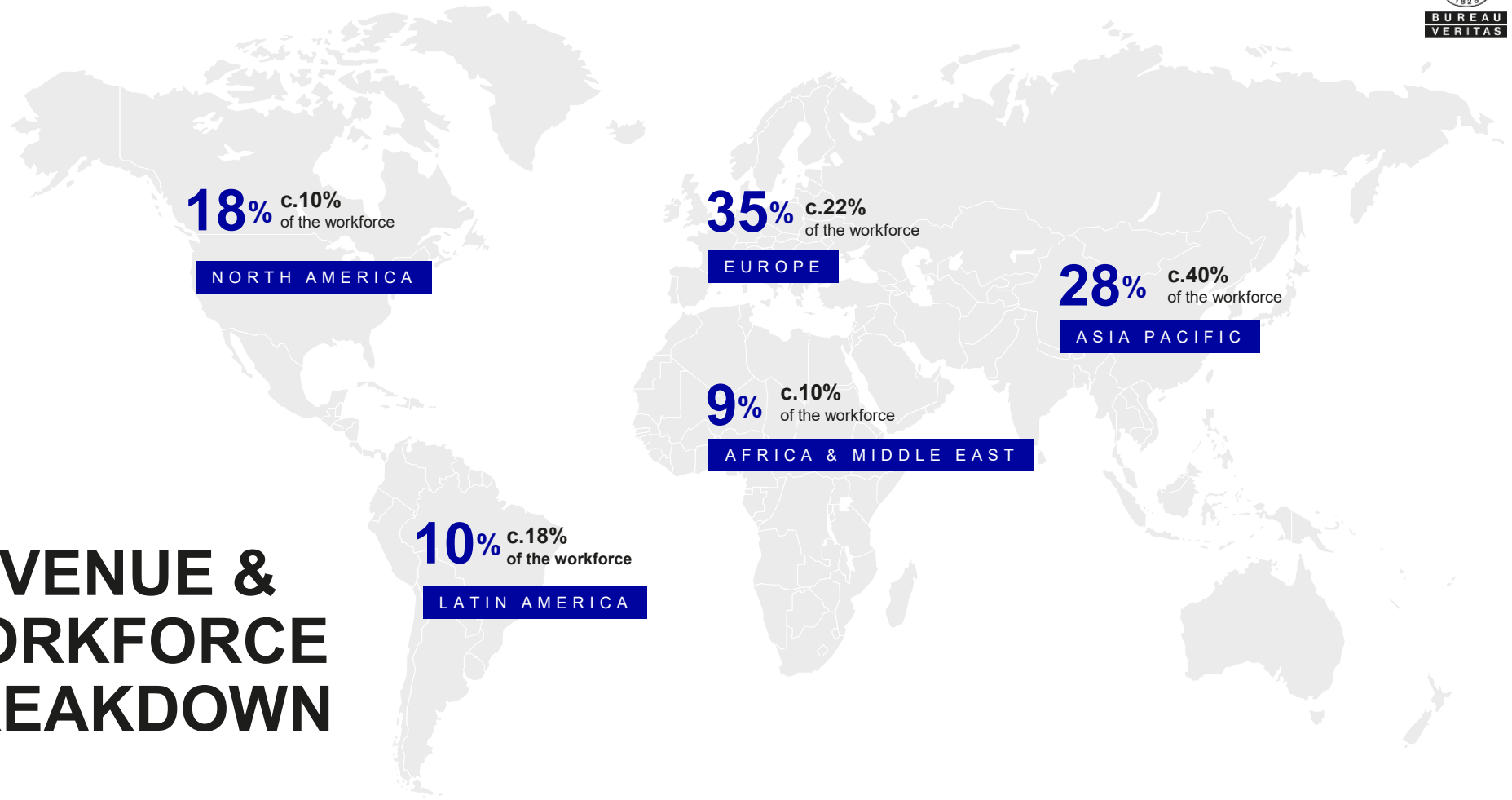


~1,600
offices & laboratories

IN 140 COUNTRIES

* At of December 31, 2023

REVENUE & WORKFORCE BREAKDOWN



By geography, as of December 31, 2023

OUR VALUES

Trusted
"We are here to create trust"

Responsible
"We leave our mark responsibly"

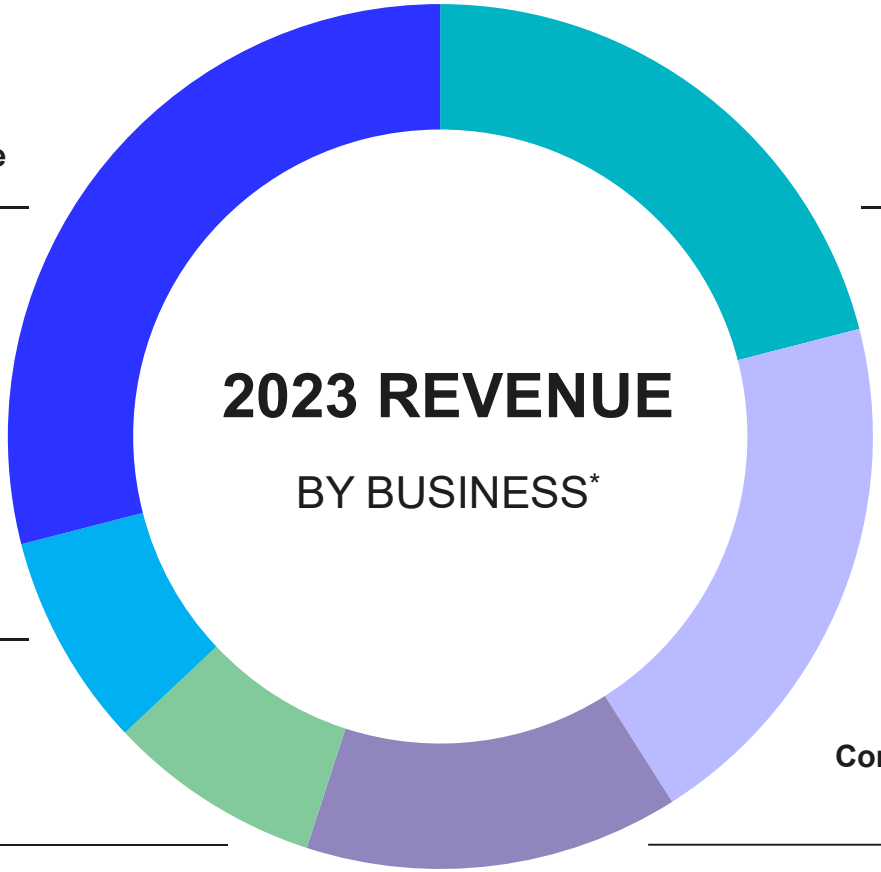


Ambition & humble
"We demonstrate ambition with humility"

Open & inclusive
"We believe in the strength of diversity"

2023 REVENUE

BY BUSINESS*



30% Buildings & infrastructure

8% Marine & Offshore

8% Certification

Agri-food & commodities **21%**

Industry **21%**

Consumer products services **12%**

* As od December 31, 2023

INDUSTRY

MISSION

Bureau Veritas supports clients to meet today's energy needs while building a low carbon future

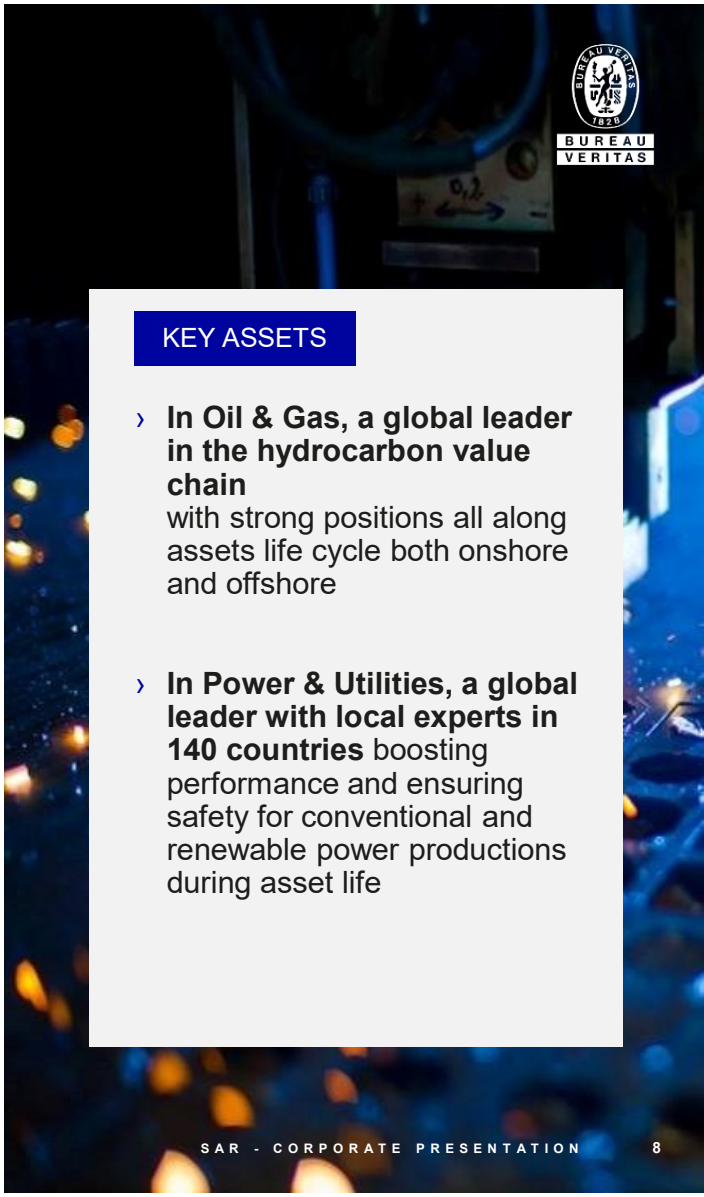
EXPERTISE

Providing industrial clients compliance assessments for assets equipment, throughout the life of industrial facilities
- Capex: assistance during the investment phase
- Opex: service related to production continuity

Service type — FOR — **Asset type**

- Safety study
- Regulatory inspections
- Fugitive emission measure
- HSE project management

- Oil Refineries
- Gas facilities
- Nuclear installations
- Other industries



KEY ASSETS

- **In Oil & Gas, a global leader in the hydrocarbon value chain** with strong positions all along assets life cycle both onshore and offshore

- **In Power & Utilities, a global leader with local experts in 140 countries** boosting performance and ensuring safety for conventional and renewable power productions during asset life

GOVERNANCE & ORGANIZATION



Hinda Gharbi

Chief Executive Officer



Alberto Bedoya

Executive Vice-President, CIF Latin America



Vincent Bourdil

Executive Vice-President Global Business Lines & Performance



Juliano Cardoso

Executive Vice-President, Corporate Development & Sustainability



François Chabas

Executive Vice-President, Finance



Catherine Chen

Executive Vice-President, Consumer Products Services



Kathryn Dolan

Executive Vice-President, Human Resources



Philipp Karmires

Executive Vice-President, Chief Digital and Information Officer



Laurent Louail

Executive Vice-President, CIF South and West Europe



Khurram Majeed

Executive Vice-President, CIF Middle East, Caspian & Africa



Béatrice Place-Faget

Executive Vice-President, Legal Affairs and Internal Audit



Marc Roussel

Executive Vice-President, CIF France and Africa



Surachet Tanwongsval

Executive Vice-President, CIF Asia Pacific



Shawn Till

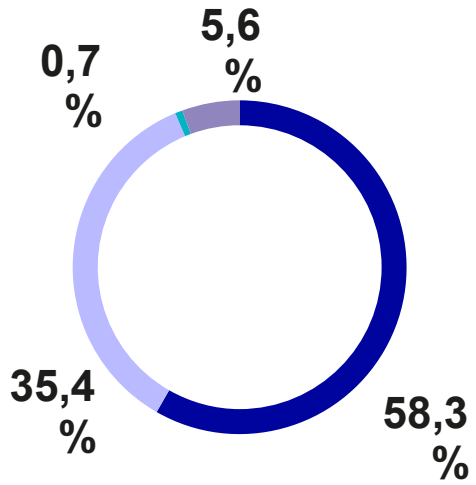
Executive Vice-President, CIF North America



Matthieu de Tugny

Executive Vice-President, Marine & Offshore division

BUREAU VERITAS, A LISTED COMPANY SINCE 2007



Ownership at December 31, 2023

- Free float
- Wendel group
- Executive Committee & employees
- The Capital Group



03.

South Asia Region

BUREAU VERITAS

SOUTH ASIA REGION

63
Offices

38
Laboratories

5800+
Employees



RECOGNITIONS AND APPROVALS

NABCB Accreditation ISO 9001:2015 (QMS) ISO 14001:2015 (EMS)	**Competent Inspecting authority under IBR 1950 by Central Board of Boilers (CBB) in India & Worldwide**	**NABCB Accreditation ISO / IEC 17020:2012 Type "A" Inspection body**	**Empanelled with Bureau of Indian Standards (BIS)**	**Competent authority under SMPV rules by Petroleum and Explosives Safety Organisation (PESO)**
NABCB Accreditation ISO 45001:2018 (OSHAS) ISO 27006:2015 (ISMSC)	**RDSO Approved Independent Safety Assessor (ISA) for Signaling Projects and Products**	**ISO 17020, Type "A" IB to conduct fabrication survey of Pressure Systems for use in Singapore**	**DOT 4L, 4BA, 4BW, 39, 3AAA Certification approval and the applicable U.S. Regulations**	**Ministry of Manpower (MOM) Occupational Safety and Health Division (OSHD), Singapore**
NABL Accredited ISO 17025 Construction Material, Mineral, Fuel & Food Testing Laboratories	**American Society of Mechanical Engineers (ASME) Authorization**	**COFRAC Accreditation ISO 17020 as LTO user**	**PNGRB Empanelment T4S activities (CGD, NGPL,IMS, PPL) & ERDMP**	**Directorate General of Quality Assurance (DGQA) approval**
NABCB Accreditation ISO 17021	**ISO 17065 (Product Certification) from NABCB and QCI**	**UNIFE ISO 22163 (Formerly IRIS)**	**ASI (Forestry FSC CoC, Aquaculture ASC CoC / MSC CoC, RSPO)**	**UKAS Global Accreditation**
GAFTA approval of Laboratory testing and Superintendent Membership of Inspection	**Export Inspection Council's recognition of Inspection of notified commodities**	**FSSAI, Tea Board, Export Inspection Council (EIC), APEDA Accredited Food Laboratories**	**BAB ISO 17025 accredited construction laboratory**	 **107+**

BUILDINGS & INFRASTRUCTURE

GREENFIELD PROJECTS

PRE-CONSTRUCTION PHASE

- DPR & Feasibility Study
- Geotechnical Investigation and Consultancy
- Design Verification / Peer Review
- Flood Risk Assessment
- Green Building Consultancy

CONSTRUCTION PHASE

- Project Management & Procurement Services
- QA/QC Supervisions / Monitoring & Audit
- Health, Safety & Environment (HSE) Monitoring & Audit
- Training (Quality and Safety)
- Construction Material Testing



75+ Bridges for NHAI & Indian Railways

50+ Canals, Dams, Reservoirs, ETP / STP / WTP, Cooling Towers

50+ Retail & Logistics (Warehouse, Bank, Supply Chain)

200+ Process / Oil & Gas Industrial Units, Cement & Steel Plants

50+ Transportation (Road, Rail & Airport)

700+ Residential Projects

100+ Hotels & Hospitals

200+ Commercial Properties

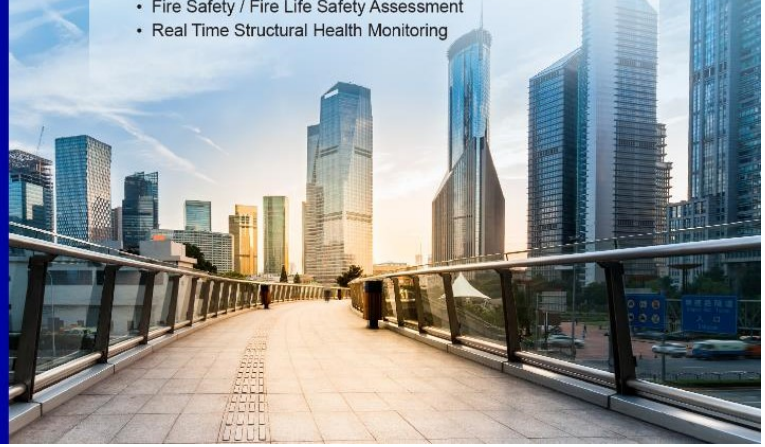
BROWNFIELD PROJECTS

ASSET MANAGEMENT

- Technical Due Dilligence
- Environmental Due Diligence
- HVAC / MEP / Lift Inspection and Verification
- Energy Efficiency Audit
- Seismic Retrofitting Consultancy

FACILITIES MANAGEMENT

- Structural Health Assessment & Structural Stability
- Restoration / Rehabilitation Consultancy
- Rapid Visual Screening / Thermal Imaging
- Fire Safety / Fire Life Safety Assessment
- Real Time Structural Health Monitoring



INDUSTRIAL SERVICES

INDUSTRIAL PRODUCT CERTIFICATION

YOUR PASSPORT TO MARKETS

CE MARKING
- PED, TPED, CPR, Lift, Medical, ATEX

CLASSIFICATION BODY FOR TLS

PESO / CCOE
- SMPV
- Gas Cylinder Rules
- Petroleum Rules

CYLINDER / VESSELS HYDROGEN, CNG & LNG
- DOT 39, 4BA, 4BW, 3AAA, 4L
- ECE R110, ECE R134

ASME SERVICES
- Pressure Equipment
- Nuclear

DRONE CERTIFICATIONS

IBR
- Design Appraisal
- Inspection, Erection
- Remaining Life Assessment

STATUTORY REQUIREMENTS
- SANS347 (South Africa)
- NR13 (Brazil)
- MOM (Singapore), DOSH (Malaysia)
- S Mark (Australia & New Zealand)



OIL & GAS

POWER & UTILITIES

MATERIAL HANDLING

METALS & MINERALS

CHEMICALS & FERTILIZERS

AUTOMOTIVE & RAILWAY

OWNER'S ENGINEERING SERVICES

CONSTRUCTION

ENVIRONMENT & DESIGN
- ENV Services - ESA, EDD, EMP
- Design Review / Validation
- HAZOP, SIL, QRA, LOPA
- Certification Validation Agency

PROJECT MANAGEMENT
- Supply Chain Management
- Site Quality Assurance
- Contractor's Performance Assessment
- HSE: Site Safety Surveillance, Audit, Trainings
- Non-destructive Testing (NDT)

COMMISSIONING
- Witness Performance Tests
- Pre-Commissioning Audit

OPERATION & MAINTENANCE

HSE MANAGEMENT
- Process Safety Management
- Safety Culture Transformation
- Machinery Safety Conformity
- Emergency Plan

ASSET INTEGRITY MANAGEMENT
- Material Handling Structures
- Pipeline Integrity Management
- Technical Due Diligence
- Risk Based Inspection (RBI)
- Corrosion Management
- Fitness for Service (FFS/RLA)

SHUTDOWN ASSISTANCE
- Technical Manpower Assistance
- NDT: PAUT, PEC, Rope Access, Automated UT, Drone Inspection




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BUREAU VERITAS PROJECT IN INDIAN RAILWAY

1428 no LHB Coach Stage wise quality inspection at M/s Modern Coach Factory. Rae Bareli U.P. (2018-2020)



BUREAU VERITAS PROJECT IN MOZAMBIQU RAILWAY

CFM Mozambique 90 No. Coaches quality inspection at M/s Modern Coach Factory. Rae Bareli (2021-2023)



MOZAMBIQUE LOCOMOTIVES

CFM Mozambique 6 No. Locomotive quality inspection at M/s Banaras Locomotive Work (2021)



1st Loco Dispatch on 16.03.21



2nd Loco Dispatch on 16.03.21



3rd Loco Dispatch on 07.06.21



4th Loco Dispatch on 11.06.21



5th Loco Dispatch on 20.06.21



6th Loco Dispatch on 31.08.21

CASE STUDY

BANGALORE METRO (INDIA)

PROJECT

Project Management Assistance for two new metro lines.

CLIENT

Bangalore Metro Rail Corporation Ltd

BUREAU VERITAS ROLE

Tendering Assistance & Design Review, Site QA/QC (Civil, MEP & HVAC), Quantity Verification, schedule & cost monitoring



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CASE STUDY

HYDERABAD METRO

PROJECT
Site Inspections of Hyderabad Metro Rail.

CLIENT
L&T Construction

BUREAU VERITAS ROLE
Ensure the quality of structural fabrication works at precast yards, Viaducts, elevated stations in order to reduce rejection cost & time of erection and commissioning works.

Bureau Veritas deployed mechanical surveyors to qualify welders as per ASME Sec IX and structural engineers for quality inspections of fabrication works and ensured structural steel works & launching guiders fully meets its quality norms.



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CASE STUDY

CHENNAI METRO

PROJECT

Electrical & Signaling Quality of Chennai Metro Rail.

CLIENT

Siemens / CMRL

BUREAU VERITAS ROLE

All aspect of quality, conformity assessment, inspection, Document review.
Quality Manager – Electrical network in Phase I, Quality Manager – Signaling Network in Phase 1



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CASE STUDY

LUCKNOW METRO (INDIA)

PROJECT

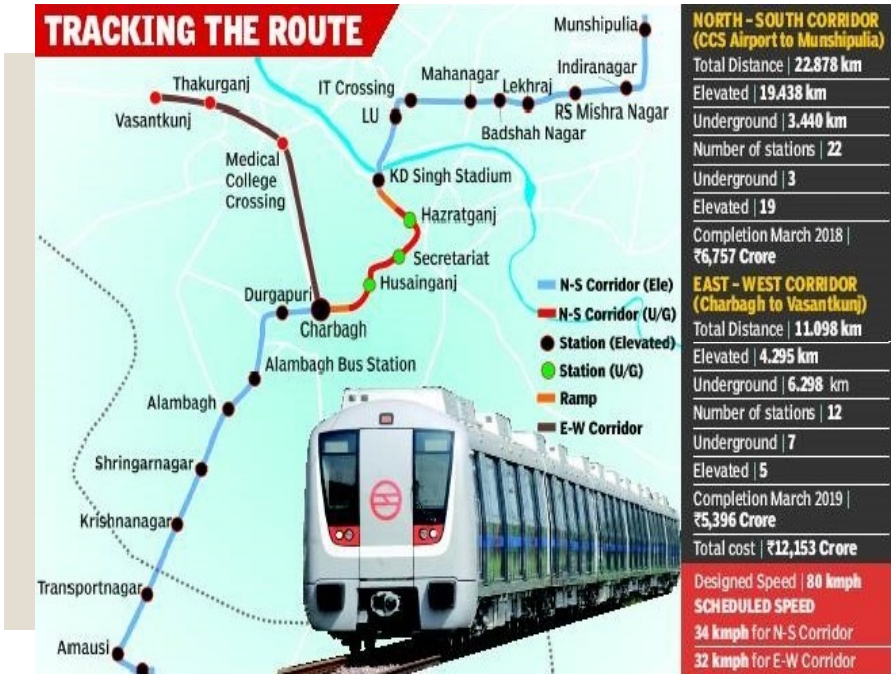
Independent Safety Assessment Services For Train Control & Signaling system of LMRTS Phase IA North – South Corridor of 23kms. for Lucknow Metro Rail Project.

CLIENT

Lucknow Metro Rail Corporation Limited

BUREAU VERITAS ROLE

Overall Design Review, Verify required safety, as per EN 5012X, ISO 17065 guidelines, Inspection of manufacturing process, Quality audits, ISA Tracking Log



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CASE STUDY

KOCHI METRO

PROJECT

Independent Safety Assessment Services For Train Control & Signaling system of Kochi Metro Rail Corporation

CLIENT

Delhi Metro Rail Corporation Limited

BUREAU VERITAS ROLE

Overall Design Review, Verify required safety, as per EN 5012X, ISO 17065 guidelines, Inspection of manufacturing process, Quality audits, ISA Tracking Log



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MAHA METRO (NAGPUR, PUNE, NASHIK)

PROJECT

PREFERRED SERVICE PARTNER FOR THE CONSTRUCTION OF METRO LINES

CLIENT

MAHA METRO

BUREAU VERITAS ROLE

Agreement for the following services:

- Material Testing Laboratory Services
- Periodic Safety Audits
- Safety Training
- Certification services
- Environmental Monitoring Services
- Geo-tech and Soil Investigation services
- NDT for Civil and steel structures
- Design Review services
- Inspection in Vendor locations
- Risk Assessment services – SIL Studies
- Independent Safety Assessment Services
- Commissioning Assistance





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ENERGY TRANSITION

RENEWABLES

ACCELERATING THE ENERGY TRANSITION

ACROSS ENTIRE LIFECYCLE OF RENEWABLE PROJECTS

SITE & DEVELOPMENT
- Feasibility Studies
- Energy Yield Assessment
- ESIA
- Site Studies

OWNER'S ENGINEERING
- Design Review
- Project Management Consultancy
- Procurement and Construction Supervision

CONSTRUCTION
- HSE & QA/QC
- Testing & Inspections
- On-site Lab
- Commissioning and Test Run Supervision

TECHNICAL ADVISORY
- Technical Due Diligence
- Investor's / Lender's Technical Advisory
- M&A Due Diligence

PROCURMENT
- Supply Chain Assessment
- Shop Inspections
- FAT Supervision

ASSET OPERATION
- Inspection & Testing
- Plant Performance Analysis
- Asset Integrity
- End-of-warranty Services



SOLAR PV
90+ GW Installed capacity
1,000+ Projects globally

ONSHORE WIND
135+ GW Installed capacity
2,000+ Projects globally

OFFSHORE WIND
40+ GW Installed capacity
100+ Projects globally

HYDROGEN
1000+ MW Electrolysers capacity
30+ Years of Hydrogen Experience



HYDROGEN

BRINGING TRUST AND TRANSPARENCY

FOR HYDROGEN AND DERIVATIVES ALONG THE VALUE CHAIN

AS AN INDEPENDENT THIRD PARTY:
- Certification of H_2 / NH_3 projects
- Label for produced H_2 / NH_3 molecule
- Certification of Electrolysers
- H_2 purity testing
- Supply Chain services

AS A TECHNICAL EXPERTISE PROVIDER:
- Owner's Engineer
- Technical & Regulatory services
- Permitting support
- Risk & Safety management
- Technical Due Dilligence

CONTRIBUTING TO HYDROGEN ECOSYSTEM

Hydrogen Council · IH2A INDIA HYDROGEN ALLIANCE · ISO Technical Committees



LABORATORY TESTING SERVICES

LABORATORY LOCATIONS

38 LABS



COMMODITIES

- Ferrous and Non-ferrous Ores, Minerals and Rocks
- Ferro-alloys and Metals
- Battery Metals, E-waste
- Coal, Coke, Petcoke, Biomass
- Oil & Petroleum and Petrochemical Products
- Used Oil and Lubricants
- Analysis through classical chemistry, XRF, ICP-OES, ICP-MS

CONSTRUCTION

- Conventional Materials
- Graphene & LD Slag
- Advanced Composites
- Soil, Wood, Geo-textile
- Product Performance Validation

SERVICES

- Cross Hole Sonic
- PDA, Tomography
- GPR, SPV

FOOD & WATER

- Residues and Contaminants
- Toxins
- Metals
- Pathogens
- Molecular Biology
- Nutrition Profile
- Microbiology
- Stability Studies
- Challenge Studies
- Sensory Studies
- Inspections
- Sampling

ON-SITE LABORATORY

BIS · fssai · APEDA · NABL Accredited · ISO 17025







CERTIFICATION PORTFOLIO

CUSTOMIZED AUDITS
- Supplier Audits, SMETA Audits
- Internal compliance
- Supply chain Security
- ISO 28000-TAPA

QUALITY MANAGEMENT
- ISO 9001, ISO 14001, ISO 45001
- Automotive ISO -TS 16949
- Aeronautics AS/EN 9100
- Railways ISO/TS 22163
- Medical Devices ISO 13485

TRAINING
- Awareness Courses
- Internal Auditor Courses
- Lead Auditor Courses
- Lead Implementer Program

80,000
Customers Worldwide

7000+
Auditors

100,000
Certificates

80+
Accreditations Worldwide

RISK MANAGEMENT
- Information Security ISO 27001, TISAX (R)
- Privacy management ISO 27701
- Asset Management ISO 55001
- Anti-Bribery ISO 37001

FOOD
- Organic, ISO 22000, FSSC 22000, BRCGS, IFS, SQF, Global G.A.P., FAMI QS, GMP+, EFISC,
- Product certification
- GFSI recognized schemes





Supply | Quality | Health & Safety | Sustainability | Integrity | People

SUSTAINABILITY



CYBERSECURITY

ISO 27701

PRIVACY INFORMATION MANAGEMENT SYSTEMS

- **Reassure stakeholders** on managing and processing personal data
- Protect **reputation and reassure** customers / data subjects
- An **internationally recognized framework** to enable management of privacy risks
- Target compliance with **data protection regulations** across jurisdictions
- Provides **visibility of data management** approaches with partners in the data protection ecosystem



CYBER-SECURITY PORTFOLIO

Information Security Management System (ISMS) : ISO / IEC 27001

Privacy Information Management System (PIMS) : ISO / IEC 27701

TISAX® Trusted information Security Exchange

Protection of Personally Identifiable Information (PII) in Public Clouds: ISO / IEC 27018

Information Security Controls for provision and use of Cloud Services: ISO / IEC 27017

Business Continuity Management System (BCMS) : ISO 22301



TISAX

TRUSTED INFORMATION SECURITY ASSESSMENT EXCHANGE

- Provides assurance on securing **digital data and documentation** in the Automotive Industry
- TISAX® is used by member companies both for their **internal purposes and suppliers**
- TISAX® is becoming the certification reference standard for **information security management** in the Automotive Industry
- **German automotive companies** (BMW, Daimler and Volkswagen) mandate compliance to TISAX® for suppliers
- A robust, enhanced security standard based on ISO 27001 governed by **VDA (German Association of Automotive Industry)** and **ENX, an information security task force**



AGRI-COMMODITIES

An extensive range of Third-Party inspection services as well as accurate, Independent Testing and provision of internationally recognized certification covering the Agri-Commodities you trade in – dry, liquid, bulk or bagged.

We offer a wide range of services to help meet the needs and minimize risks of your business.

Cleanliness inspection of Carriers, such as Ship holds and Hatches, Tanks, Containers, Road Trucks, Tank Lorries, Rail Wagons and Barges, to loading and discharge supervision.



VOLUME HANDLED IN LAST THREE YEAR

4.5 MT MAIZE	**2.0 MT** RICE
3.75 MT SUGAR	**4.5 MT** EDIBLE OIL
0.8 M BALES COTTON	**1.0 MT** SOYA MEAL/DOC

PRODUCTS INSPECTED:

Grains & Oilseeds; Sugar; Edible – Oil; Rice; Cotton; Wheat; Wheat Flour; Pulses; Spices; Organic Products; Seeds.

SERVICES CATERED:

- Cleanliness inspection of Vessels, Hatch Inspection, Vessel loading & Discharge supervision.
- Supervision of Weighing & Weight determination.
- Loading & Discharge; Quality & Quantity determination.
- Damage & Contamination surveys.
- Sampling & Analysis.



METALS & MINING SERVICES

GREENFIELD EXPLORATION

- Sampling
- Sample prep
- Geochemical testing
- Environmental control service
- Management systems

MINING CONSTRUCTION

- Supplier assessment
- Technical consulting/ outsourcing
- QA/ QC
- CTC Service
- NDT Service
- Shop inspection
- PMA
- QHSE
- Certification & Training

EXPLORATION & PRODUCTION

- Mine site sample preparation
- Mine site laboratory
- Production control
- Mineral processing testing
- Metallurgy
- AIM
- Food testing
- Environmental service

EXPANSION PROJECTS

- Supplier assessment
- Technical consulting/ outsourcing
- QA/ QC
- CTC Service
- NDT Service
- Shop inspection
- PMA
- QHSE
- Certification & Training

STOCK ASSESSMENT

- Benchmarking
- capturing lateral and vertical data points
- Volume and density determination
- Certification

TRADING

- Supervision of weighing
- Sampling
- Load and discharge inspection
- Product quality testing

SOUTH ASIA GOVERNANCE & ORGANIZATION



Amit GHOSH

Senior Vice President



Umesh JADHAV

Senior Director Industry & Facilities Operations



Pulak PRAKASH

Director Sales & Strategy



Pawan CHANDE

Director Finance



Lavina DAS

Director Human Resources



Anjula CHOPRA

General Counsel & Compliance Officer



Bholashankar KANDPAL

Director Industry



Surajit PAN

Director Building & Infrastructure



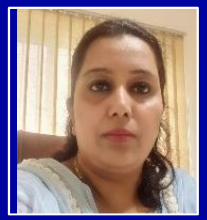
Jagdheesh MANIAN

Director Certification



Sandeep SHETTY

Head International Trade



Farhana AYESHA

Regional Head Food



Surajit DHARA

Manager HSE

BUREAU VERITAS

Shaping a World of Trust



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04.

Appendix

OUR CSR **RATINGS**

→

Member of Dow Jones Sustainability Indices Powered by the S&P Global CSA

- Ranked #1 in the Professional Services Industry category
- Rated 83/100

EURONEXT

- Listed in the CAC 40 ESG index
- Listed in the CAC SBT 1.5° index

EthiFinance Gaïa RATING

- Rated 83/100, above sector (51)

MSCI

- Rated AA

CDP

- Rated B

ecovadis

- Platinum

MOODY'S | ESG Solutions

- Rated 70/100
- Ranked #1 in European business support services sector

Corporate ESG Performance Prime ISS ESG

- Rated "Prime"

FTSE4Good

- Constituent of the FTSE4Good Index Series

SUSTAINALYTICS

- Rated "Low risk"
- Ranked #1 of the Research & Consulting sector

SOME REFERENCES



SOME REFERENCES

