

BUREAU VERITAS AGRICULTURE AND FOOD

GLOBAL CAPABILITIES



BUREAU
VERITAS



INTRODUCTION

AGRI & FOOD

With origins dating back 150 years, Bureau Veritas has built and continues to maintain an outstanding reputation for independent & technical excellence within the Agriculture & Food sector.

We offer a wide range of services to help meet the needs and minimise risks of your business. Our proactive inspection services maximise control at every link in the supply chain - from 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.

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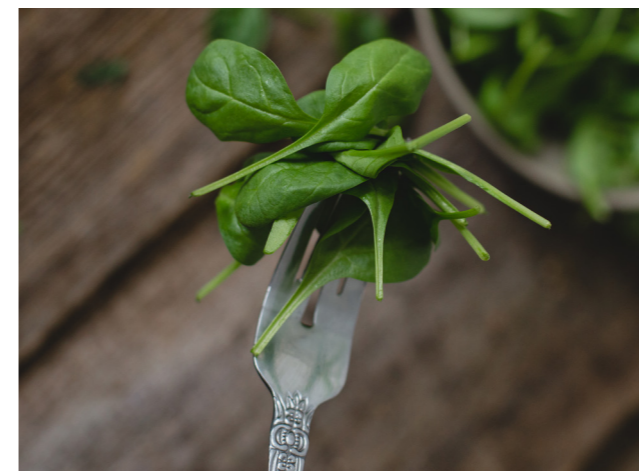
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PRODUCTS SERVED

Bureau Veritas offers an extensive range of independent testing, inspection and certification services operating throughout a broad and diverse range of agriculture & food markets from dry bulk and bagged commodities to bulk liquid containerized cargoes.

We offer a comprehensive "Farm-to-Fork" service portfolio helping to minimise risk throughout the entire supply chain. Our global network of state-of-the-art laboratories & qualified inspection staff is extremely well placed to provide you with a complete portfolio of product related services, providing unique risk management solutions and complete peace of mind.



- | Grains (e.g. wheat, corn, barley, sorghum, rice)
- | Oilseeds
- | Vegetable Oils and Fats
- | Cocoa, Coffee, Tea
- | Sugar & Sugar Products
- | Cotton
- | Fertilisers
- | By-products & Feedstuffs (e.g. soybean meal)
- | Speciality Grains (e.g. semolina, quinoa)
- | Forage (e.g. alfalfa, hay)
- | Pulses Nuts & Seeds
- | Dairy Products
- | Fruit & Vegetables
- | Biomass
- | Organic Products
- | Poultry & Meat
- | Seafood

SERVICES OFFERED



Bureau Veritas offers a wide range of services to help meet the needs and minimise risks of your business. Our proactive inspection services maximises control at every link in the supply chain.

Our global network of state-of-the-art laboratories specialises in the testing of agricultural products, fertilisers & food safety to ensure the quality and quantity of a consignment represents the true value with regard to the integrity of the cargo.

INSPECTION & TESTING SERVICES

- | | |
|---|--|
| Inspection of quality, weight and packing at production site, loading & unloading points. | Ship Holds / Hatched inspection prior to loading |
| Quality Grading on Site | Draft survey |
| Sampling for bacteriological and chemical analyses | Submitted Samples Quality Analyses |
| Marking & Packing inspections | Drafting, implementation and observance of individual specifications |
| Tally (counting) of the units | Training |
| Supervision of Loading / Unloading / Transshipment operations | Fumigation |
| Stock Assessments | Agricultural Products & Food Certification (GMP, HACCP, Global Gap, Organic) |

BUREAU VERITAS ALSO OFFERS AN ADDITIONAL SUITE OF SEED AND CROP SERVICES

- Biotech Auditing & License Protection GLP
- Accredited Lab and Field Services
- Soil Testing & Fertility Management
- Fertiliser Efficacy
- Seed Germination and Vigor Testing
- Genetic Purity
- Seed DNA Testing
- Residue Analysis
- Plant Tissue Analysis
- Crop Quality and Mycotoxin Studies
- Crop Yield Monitoring
- NDVI Maps
- Traceability Audits and DNA Analysis
- Sustainability Audits
- Market Research Studies and Audits
- Satellite and Drone Imagery
- Data Management
- Harvest Management
- Field Mapping Services
- Volunteer Field Mapping
- Weather Mapping
- Remote Sensing
- Isotope Field Origin & Product Mapping



Seed and Crop services

BV GREEN LINE OF SERVICES & SOLUTIONS DEDICATED TO SUSTAINABILITY

Bureau Veritas is a “Business to Business to Society” services company. Our mission is to shape trust between businesses, public authorities and consumers.

As a world leader in audit and certification services, we support our 400,000 clients to be more efficient, more methodical and more trustworthy in their journey towards more sustainable business and a more sustainable world.

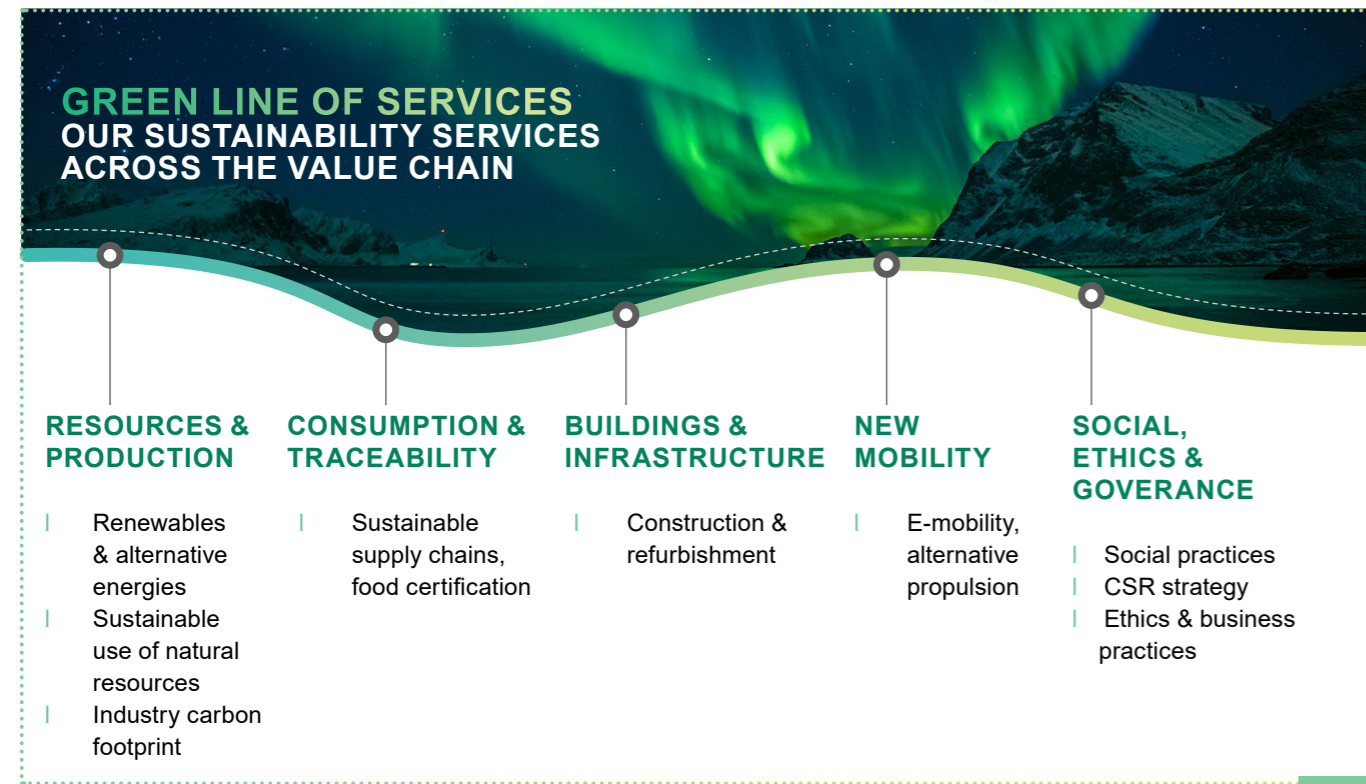
Sustainability is embedded into our strategy, our entire organization, and across all our businesses

With our expertise, we serve our clients to meet the challenges of safety, the environment, social responsibility and product or service quality all along the chain. We support our clients in their selection of resources and during production.

We offer expertise at every point in the supply chain, from raw materials sourcing to product use. Bureau Veritas is there for Buildings & Infrastructure clients during construction and refurbishment work. And we’re playing a vital support role in the field of New Mobility. Bureau Veritas strives to accompany all clients in delivering their sustainability strategy, and meet the expectations of their employees and stakeholders.

Through our green line of services & solutions, we empower organizations - both private and public - to implement, measure and achieve their sustainability objectives.

With our contribution, our clients can measurably demonstrate the impact of their ESG actions by making them traceable, visible and reliable. By bringing transparency, we provide the tools to protect clients’ brands and reputations.



SEED AND CROP SERVICES BROAD & DIVERSE SERVICES



TRACE BY BUREAU VERITAS

A UNIQUE END-TO-END TRACEABILITY SOLUTION



Society expects greater transparency on the safety, origin and sustainability of products consumed.

DID YOU KNOW?

78% of people surveyed are willing to change their food consumption habits by paying a **premium** for products which can show they're from **sustainable** and **traceable** origins.

OUTLOOK

The TRACEABILITY of products will progressively become the **'new normal'**.

Early adopters will enjoy premiums, whilst in the longer term, others will face challenges to catch-up and embed traceability into their business models.

Many companies are already leading the way;

Leaders are developing the narrative internally to promote risk management and compliance within their supply chains which in turn, offers brand protection;

By offering best-in-class traceability solutions, the end consumer will welcome product differentiation and take advantage of greater transparency whilst retailers will enjoy the benefits of brand protection.

CONSUMERS RISING EXPECTATIONS



of consumers are willing to pay more to get information about safety and **quality** of beef products. Consumers are most concerned with diseases caused by food of animal origin.

Source: Food safety in a dynamic world report, 2019



of people say **origin** matters when deciding what brands they like and support

Source: Forbes, January 2019



of the USA of the population is willing to pay up to a 25% premium for **sustainable** products

Source: business wire, October 2021

USER CASES

SUPPLY CHAIN RISK & PERFORMANCE MANAGEMENT



WHAT YOU CAN EXPECT

Certificates including **traceability** score, data reliability, quality test result and environmental criteria such as carbon footprint.

KEY ACTIVITIES



Define the scope, criteria and scoring methodology, mapping and on-boarding of Tier 1 / 2 / 3 suppliers, inspection / audits / tests at supplier facilities, data recollection on user-friendly platform, scoring / reporting with risk assessment analysis.

BRAND DIFFERENTIATION

WHAT YOU CAN EXPECT



QR code on the product labels, which will lead consumer to access insights into to product's supply chain, showing quality test results, the total impact the product has on the environment and innovative solutions driven by suppliers to mitigate further impact.

KEY ACTIVITIES

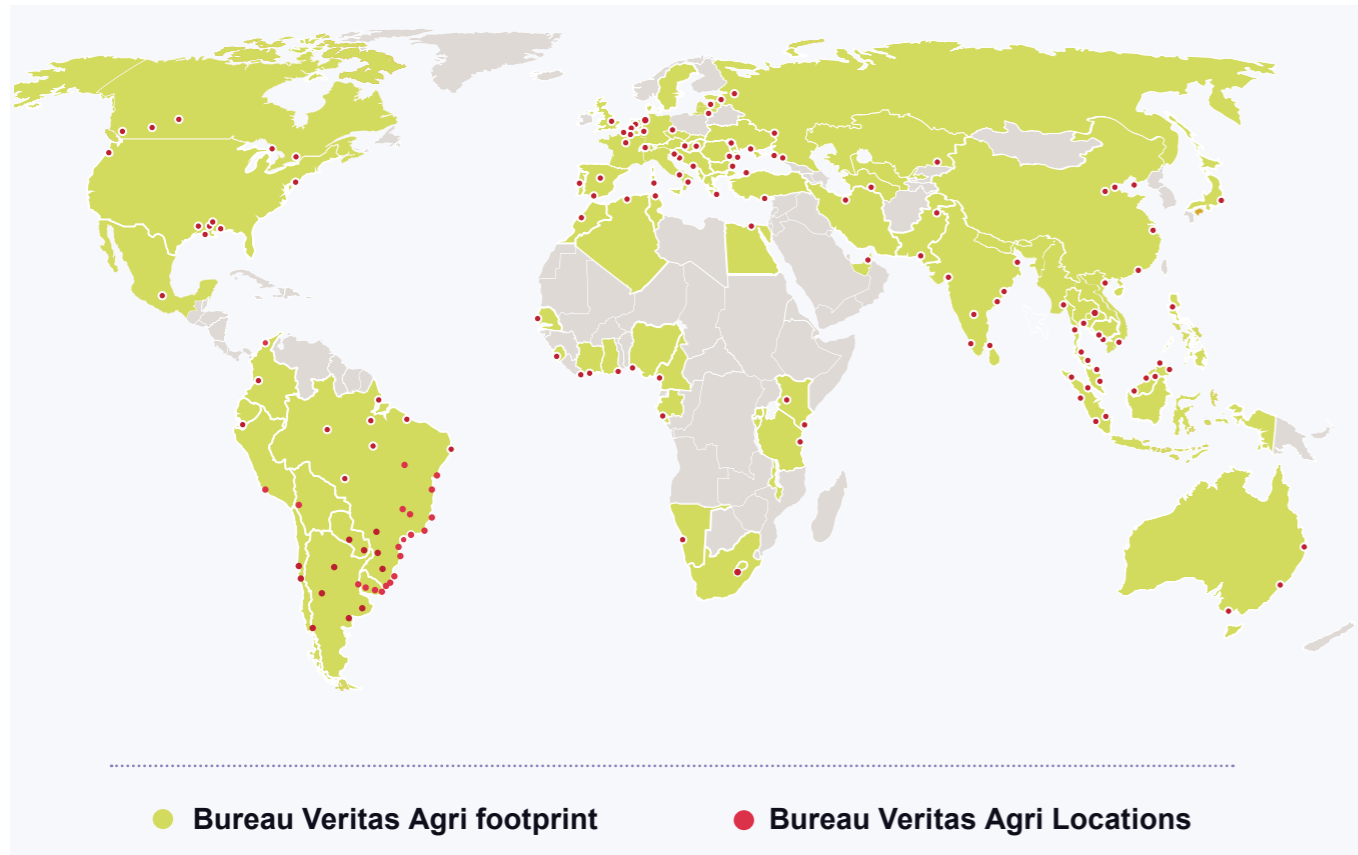


Building on internal solution, selection of information and level of granularity to be shared to consumers, interface between traceability platform and webpages hosting reports for consumers.

Traceable commodities will progressively become the norm. Early adopters will enjoy premiums, and in the long term, slow actors will be penalized



GLOBAL AGRICULTURE & FOOD NETWORK



Bureau Veritas is continually reinforcing our commitment to customers with the development of new state-of-the-art laboratories and expanding our capabilities in existing testing facilities, allowing our clients to benefit from a strong local presence and our expanding global network.



MEMBERSHIPS & ACCREDITATIONS

- International Federation of Inspection Agencies (IFIA)
- Sugar Association of London
- Federation of Oils, Seeds and Fats Association (FOSFA)
- Grain and Feed Trade Association (GAFTA)
- Accredited Grain Inspection
- General Authority for Commodities Supply (Egypt, Iraqi Grain Board, Saudi Grain Organisation, Tunisia Office des Cereales)
- Federation of Cocoa Commerce (FCC)

ACCREDITATIONS & CERTIFICATIONS

- ISO 17025
- ISO 9001
- ISO 14001; ISO 18001





SHAPING A WORLD OF TRUST

Bureau Veritas is a Business to Business to Society 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.

For more information,
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