

YOUR PARTNER
**FOR EQUIPMENT
AND MATERIALS
CERTIFICATION**



BUREAU
VERITAS

FOR NEARLY TWO CENTURIES, BUREAU VERITAS HAS SUPPORTED MARINE STAKEHOLDERS IN THE CLASSIFICATION AND CERTIFICATION OF SHIPS AND RELATED EQUIPMENT. AS A LEADING CLASSIFICATION SOCIETY, WE ARE THE PARTNER OF CHOICE FOR SHIPOWNERS, SHIPYARDS, MANUFACTURERS AND SUPPLIERS, PROVIDING EXPERTISE IN SAFETY, PERFORMANCE AND COMPLIANCE. AS PART OF BUREAU VERITAS GROUP, OUR TEAMS WORK WITH LEADING TESTING, INSPECTION AND CERTIFICATION (TIC) EXPERTS FROM ALL SECTORS AT LOCATIONS AROUND THE GLOBE.

SHAPING A BETTER MARITIME WORLD

BV GROUP

200
Years

140
Countries

80,000
People worldwide

400,000
Clients

BV MARINE & OFFSHORE

2,650
Experts

11,530
Ships in the classed fleet

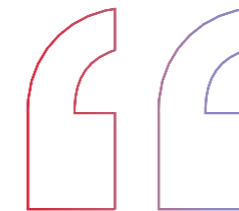
80,000
Product certificates issued every year

7,900
Active type approval certificates

4,700
Active company recognition certificates

180
Survey centers

SHAPING TRUST THROUGH CERTIFICATION



Ship design is never static. For hundreds of years, it has evolved to accommodate innovations in onboard structures, machinery, systems, materials and equipment. This has led to faster, safer, more efficient vessels – and constantly evolving regulations for their component parts.

Today, shipowners and shipyards are looking to new designs and technologies to improve vessels' operational performance, protect their assets, and reduce their environmental footprint. For suppliers and manufacturers, this raises the stakes on compliance for marine equipment and materials, an already highly regulated segment.

Ship equipment and materials are subject to classification and must be certified under Class Rules, International Maritime Organization (IMO) and European Union (EU) regulations. These requirements apply to ship components as varied as propulsion engines, electrical systems, fire safety equipment, lifting appliances, hull structure and welding consumables.

In addition, flag administrations worldwide enforce specific statutory regulations regarding the safety, comfort and environmental performance of equipment and materials. These requirements often surpass IMO and EU regulations, leading to increased need for proof of compliance.

**“MARINE
STAKEHOLDERS
NEED A TRUSTED
CERTIFICATION
PARTNER WHO CAN
COMBINE PRODUCT
INNOVATION WITH
STRICT REGULATORY
COMPLIANCE.**



TRUSTED CERTIFICATION EXPERTISE

Faced with ongoing regulatory and technical evolution, marine stakeholders need a trusted certification partner who can combine product innovation with strict regulatory compliance.

A top-five classification society, Bureau Veritas has provided ship classification and product certification for tens of thousands of vessels. Recognized for our technical excellence and nearly 200 years of classification experience, we offer in-depth understanding of regulations and are delegated by 145 flag states. Our global network of experts works closely with suppliers, manufacturers, shipyards and shipowners to ensure the safety and performance of their equipment and materials. As regulations change, we are by our clients' side, helping them certify the next generation of ship design innovations.

Frédéric Thomas

*Director of Equipment & Materials Certification
Bureau Veritas Marine & Offshore*

YOUR PARTNER OF CHOICE FOR EQUIPMENT AND MATERIALS CERTIFICATION

FROM PRODUCT DESIGN ONWARDS, BUREAU VERITAS SUPPORTS MANUFACTURERS, SUPPLIERS, SHIPYARDS AND SHIPOWNERS WITH CLASSIFICATION AND STATUTORY ACTIVITIES BY CERTIFYING CORRESPONDING EQUIPMENT AND MATERIALS.

THREE CLASSIFICATION CERTIFICATES

1 TYPE APPROVAL CERTIFICATES

These replace the need for individual design assessment and allow manufacturers to produce in conformity to the type tests, providing review of the technical documentation and test reports against applicable Rules and regulations.

2 PRODUCT CERTIFICATES

These provide proof that manufactured products have undergone inspection and tests, verifying their compliance to the individual design review or type approval processes.

3 COMPANY RECOGNITION CERTIFICATES

These concern manufacturers' quality management system and provide evidence that system has been audited and found compliant to applicable Rules and regulations, either through the basic scheme (Mode II) or through an alternative scheme (Mode I).

IN 2021

80,000

Product certificates

2,500

Type approval certificates

1,500

Company recognition certificates have been issued.



BV stamp, an evidence of Rules compliance.

DESIGN AND PROCESS INSPECTIONS

To achieve class certification, the design of equipment and materials must be reviewed, followed by onsite inspections during construction.

During production, Bureau Veritas performs periodic audits of manufacturers' site (HBV), which may be coupled with individual product inspections (IBV). Bureau Veritas further offers process and mass production audits for manufacturers producing equipment and materials at scale.

Survey requirements for products approved under IBV and HBV certification programs are detailed in BV Rule Notes NR266 for ships, offshore and naval units and NR544 for inland vessels.

GLOBAL STATUTORY ACTIVITIES

Bureau Veritas is delegated for product certification by 145 flag states. This includes four Administrations

that require compliance with additional highly stringent regulations: France, the UK, the US Coast Guard, and Transport Canada.

We are also one of 47 Notified Bodies (NB) authorized to perform conformity assessments under the EU Marine Equipment Directive 2014/90/EU.

Under this regulation, flag administrations delegate NBs to provide equipment and materials approval for products integrated onboard EU and EFTA* flagged vessels.

ENABLING COOPERATION

The EU RO Mutual Recognition Type Approval Certificate is a type approval certificate which is based on the most stringent requirements of each EU RO as per Regulation (EC) n°391/2009.

It enables the classification societies to automatically accept each other's class certificates for specific products.

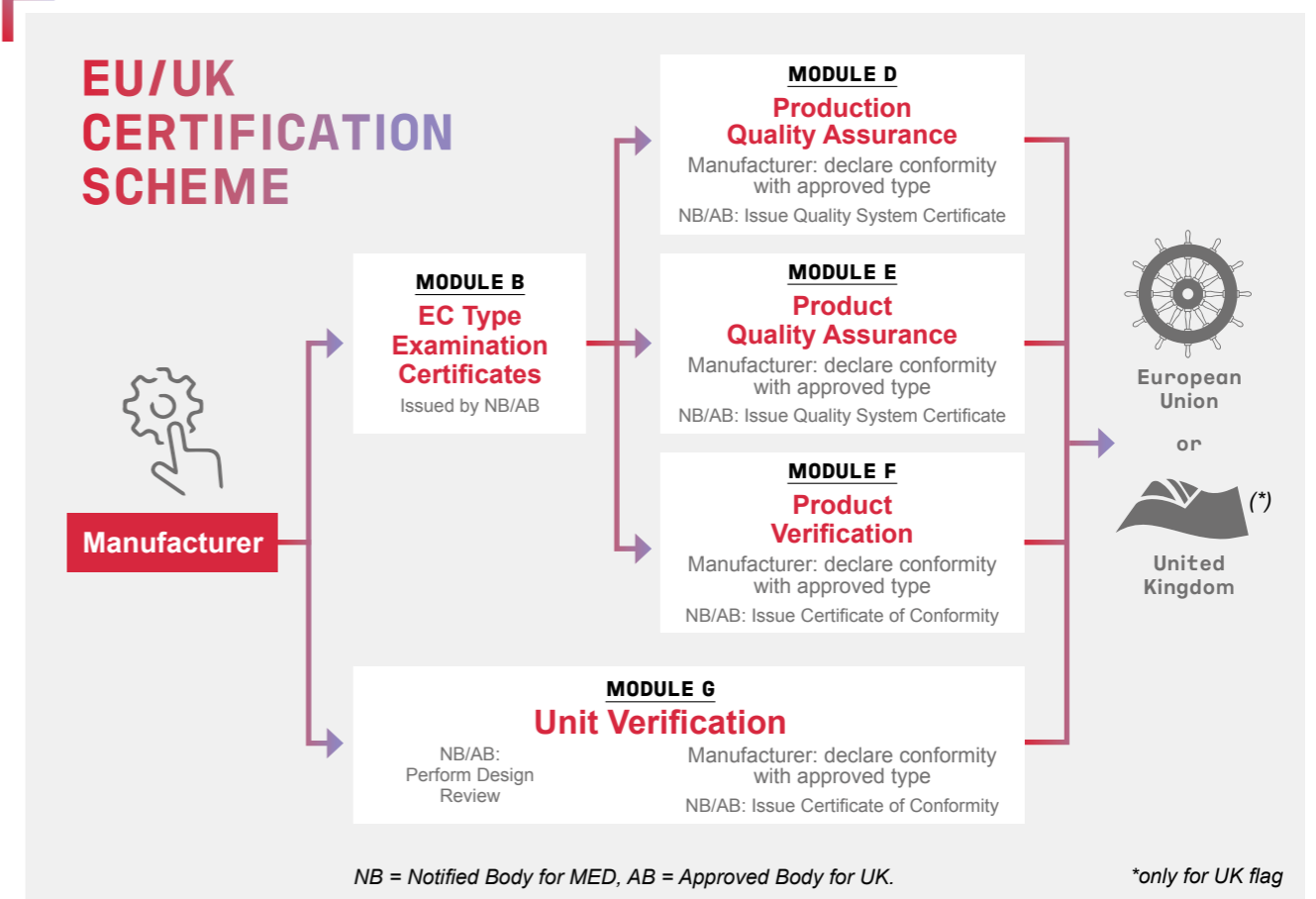
*European Free Trade Association states, includes Iceland, Lichtenstein and Norway.



Type test on life saving appliances.

Bureau Veritas a UK Approved body

Since 2022, we are a UK Approved body authorized to perform conformity assessments under the UK Merchant Ship Marine Equipment Regulations 2016 N°1025, as amended.



BY OUR CLIENTS' SIDE

A WORLD OF SERVICES, FROM DESIGN TO OPERATIONS

BUREAU VERITAS PROVIDES UNPARALLELED CLASSIFICATION EXPERTISE TO CLIENTS WORLDWIDE, THANKS TO OUR GLOBAL NETWORK, CUTTING-EDGE DIGITAL TOOLS, AND SERVICES SUPPORTING TECHNICAL AND PERFORMANCE INNOVATION.

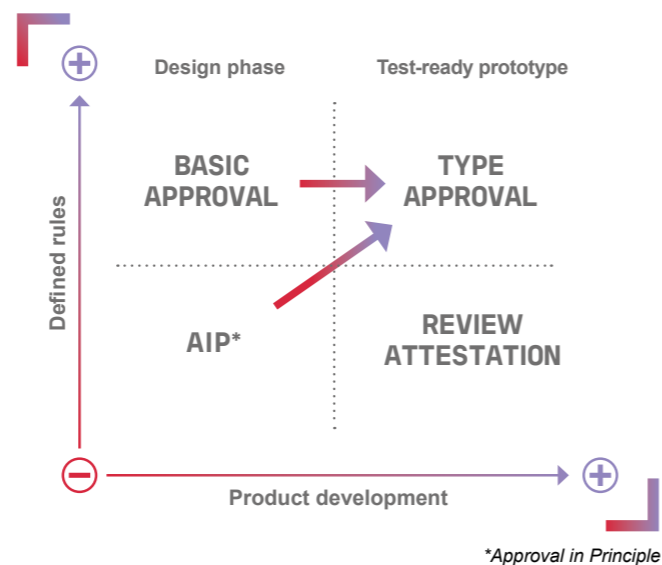
COMPLEMENTARY SERVICES

Bureau Veritas provides multiple additional services to support marine manufacturers and service suppliers.

- **Design assessment:** an individual assessment resulting in an approval letter or statement of review
- **Approval in Principle (AiP):** demonstrating that an innovative concept is ready to be tested
- **Review attestation:** an alternative to type approval when regulatory context is not yet defined
- **Basic approval:** a design review performed as an intermediary stage before the product is ready to be type tested
- **Inspection Certificate:** applicable to metallic materials according to EU standard EN 10204:2004
- **Third party certificate:** based on industry standards
- **Attestation:** for the witnessing of tests with no design review
- **Laboratory recognition:** in accordance with BV Rule Note NR 320
- **NDT suppliers recognition:** an IACS requirement for companies performing nondestructive testing, in accordance with BV Rule Note NR 669

A PARTNER OF CHOICE FOR INNOVATION

Bureau Veritas supports the development of innovative products by helping manufacturers achieve approval even when the regulatory context is as yet undefined. Bureau Veritas offers Approvals in Principle (AiP), which may be based on qualification of new technologies (BV Rule NI525), and basic approval services.



CUSTOMER-CENTRIC DIGITALIZATION

Bureau Veritas' state-of-the-art digital applications enable clients to streamline the process of requesting equipment surveys, type approval certificates and manufacturer audits. With Veristar Equipment, manufacturers can request type approvals, product certificates, company recognition certificates, collaborating and audits with Bureau Veritas experts.

Veristar Equipment also works in tandem with Approval Explorer, helping shipowners and shipyards easily locate Bureau Veritas-approved product manufacturers worldwide. Each certificate bears a QR code permitting to upload a digital version and to guarantee its validity.

WE ARE GLOBAL

Bureau Veritas' extensive network of marine experts enables suppliers, manufacturers, shipowners and shipyards to access our classification and certification services worldwide.

WE PROTECT AND ENHANCE VESSELS

Bureau Veritas is a leader in safety and performance, using our technical knowhow to ensure ships and equipment are secure, compliant and efficient.

WE PRIORITIZE COMPLIANCE

Bureau Veritas has nearly two centuries of marine classification experience. We are experts in evolving regulations, and we support innovations in ship design and technology.

WE KNOW SUPPLY CHAINS

As part of Bureau Veritas Group, we provide services throughout the value chain, enabling clients to certify their suppliers and product testing processes.

