

Transportable Pressure Equipment

Expert guidance and support for global pressure vessel transportation



Streamline the approvals process

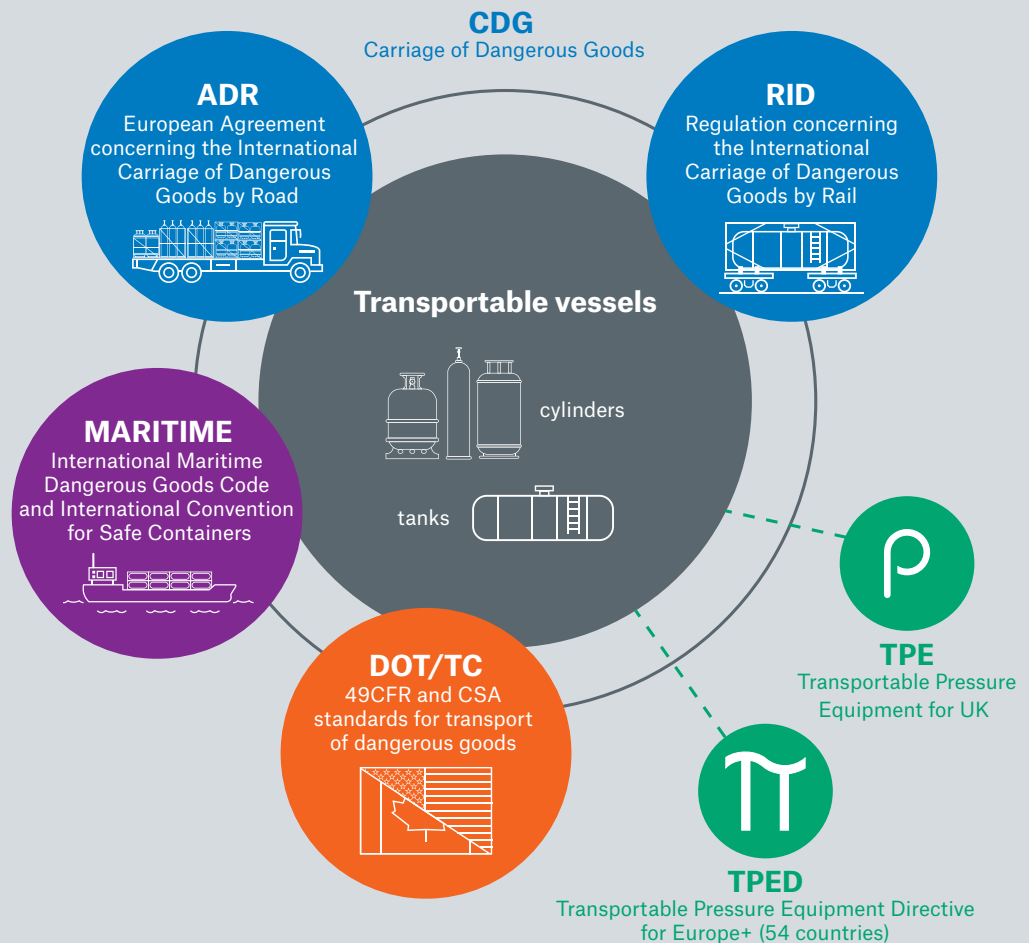
We can help with your technical questions, design approval, certifications, and third-party inspections related to transportable pressure equipment being imported or exported around the world.

HSB is a recognized authority to apply globally recognized regulations, such as:

- 49 CFR for U.S. DOT
- IMDG code through our U.S. approval
- CSC with the U.S. Coast Guard
- Transport Canada CSA
- CDG, ADR, RID Directive 2008/68/EC
- TPED and TPE Directive 2010/35/EU

HSB is here to support your business

The expertise and accreditations to meet your safety needs.



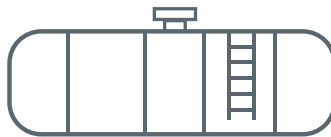
Transportable vessels

HSB can provide regulatory services for your vessels as a one-stop shop. No need to have multiple design and inspection agencies when partnering with HSB can transcend the boundaries of conventional business.



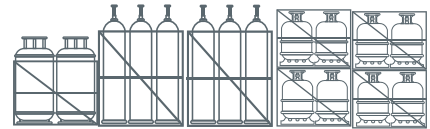
Cylinders

Requiring inspection by approved Independent Inspection Agencies and Notified Bodies, HSB is approved to certify manufacturing of compressed gas cylinders and UN/ISO receptacles.



UN portable and cargo tanks

Lean on HSB for design review, certification, new fabrication inspections, and testing, as well as inspections and tests for repaired tanks, periodic in-service inspections, leakage and pressure tests, thickness tests, and lining inspections.



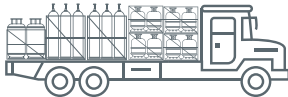
Multiple-element gas containers (MEGCs)

Utilize HSB's decades of experience, Designated Approval Agency (DAA) status, and Notified Body to approve design, witness prototype testing, and perform inspections and ongoing testing required by regulations.

Carriage of Dangerous Goods (CDG)

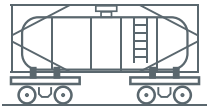
The Carriage of Dangerous Goods (CDG) regulations and guidelines ensure the safe transportation of materials by road, rail, sea, or air. These regulations cover a wide range of dangerous goods, including flammable liquids, toxic substances, and explosives.

HSB Services



ADR

European Agreement concerning the International Carriage of Dangerous Goods by Road

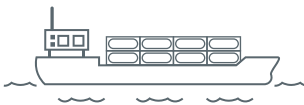


RID

Regulations concerning the International Carriage of Dangerous Goods by Rail

ADR and RID are complementary regulatory frameworks that ensure the safe transport of dangerous goods by road and rail, respectively. While they share common principles and standards, they also have specific requirements tailored to the modes of transport they govern.

Maritime



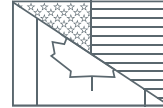
International Maritime Dangerous Goods (IMDG)

The IMDG code developed by the International Maritime Organization (IMO), provides a comprehensive set of regulations for the safe transportation of dangerous goods by sea. It covers packaging, labeling, and stowage requirements to ensure the safety of vessels, crew, and cargo.

International Convention for Safe Containers (CSC)

The CSC establishes safety standards for the design, testing, and maintenance of shipping containers used in international trade. Its goal is to prevent accidents by ensuring container structural integrity during handling and transportation across different modes.

Department of Transportation (DOT) and Transport Canada (TC)



DOT and TC are regulatory authorities responsible for overseeing transportation safety in the United States and Canada, respectively.

Transportable Pressure Equipment Directive (TPED) and UK Transportable Pressure Equipment (TPE)



TPED is a European Union directive that establishes safety requirements for the design, manufacturing, and conformity assessment of transportable pressure equipment. Following Brexit, the United Kingdom has adopted similar regulations under TPE, which includes the use of the Rho marking, while TPED utilizes the Pi marking.

Service that simplifies

Whether transporting via road, rail, or sea, HSB helps simplify the important guidelines that each regulatory organization requires adherence to.

- **Unparalleled expertise:** HSB brings unparalleled expertise and simplicity to navigating complex regulatory landscapes, ensuring compliance, safety, and smooth operations for manufacturers.
- **Single-source inspection service:** HSB can perform inspections on all of your pressure equipment requirements.
- **Responsiveness:** HSB responds quickly to urgent situations that require accelerated project schedules and high levels of responsiveness.
- **Global inspection staff and local presence:** HSB has more than 450 pressure equipment inspectors and supervisors around the world, allowing for local representation in your area of need so you can strategize globally and act locally.
- **Client focus:** We ensure our services meet clients' needs and requirements, from incoming material to installation and testing.

Frequently asked questions

I have a diverse product range that includes pressure receptacles/cylinders, Multi-Element Gas Containers (MEGCs), and portable tanks. Can HSB support these needs?

Absolutely! HSB offers extensive support for a wide range of transportable pressure equipment. Our services cover everything from composite to cryogenic equipment, ensuring all your needs are met. We also support additional international standards such as ASME, PED, Indian Boiler Regulation, Australian Standards, Kpic, MHLW, ISO registration, DOSH, MOM, etc. Just ask, we have a solution.

What if I already have an inspection service?

No problem! Even if you already have an inspection service, HSB can streamline the entire process by eliminating the need for multiple points of contact, sub-contractors, or agencies. Our single source inspections offer comprehensive support, granting you access to U.S., European, and UK markets while addressing any questions you may have along the way.

My current inspection body cannot provide in-service inspections. Can HSB assist with this?

Yes, HSB can assist with both initial and in-service inspections. HSB is approved to conduct all types of in-service inspections, including periodic, intermediate, and exceptional checks for tanks, MEGCs, and pressure receptacles.

I am manufacturing TPED and UK TPE pressure receptacles. Do I need two Inspection Bodies or multiple inspectors?

No, HSB provides comprehensive TPED and UK TPE certification through a single source inspection, streamlining the process for you. Our experts are trained in all the required fields to meet your needs.

I have approval for ADR/RID/TPED. Can HSB support certification of my transportable pressure equipment in the United States or Canada? (And vice versa, a DOT approved manufacturer certified to CDG requirements)

HSB's Global Passport allows coverage for a majority of cylinder and tank specifications to be multi-approved with a single inspection body (HSB). As a designated Independent Inspection Agency (IIA) by the U.S. DOT and Transport Canada (TC) under identification number IA08, HSB is authorized to certify your facility, perform manufacturing inspections, and provide technical guidance for DOT, TC, and UN/ISO cylinders manufactured in accordance with 49 CFR, Part 178, CSA B339, and Special Permits.

Can HSB support the re-test and requalification of cylinders?

HSB, under their IIA approval, is authorized for approval of cylinder requalifiers, repairers, and rebuilders of DOT specification, UN/ISO, and Special Permit compressed gas cylinders.

Can HSB scale its inspection team to meet the needs of large projects and ongoing OEM?

Yes, each of our policyholders will be assigned a tailored team of specialists. This team is made up of an account manager who is the main point of contact. Depending on the project requirements, this team could include an international code services specialist, technical manager, compliance engineer, certifier, and an inspector or lead auditor.

For more information:
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