



Global Inspection and Engineering Services

Boiler and pressure vessel inspection specialists in codes, standards, and certifications globally

HSB offers a wide range of inspection services for boilers, pressure vessels, nuclear components, and process and power plants. Established in 1866, we provided engineering services to users of steam-powered equipment. Today, HSB has grown to be a worldwide leader in the interpretation and application of boiler and pressure vessel codes, standards, directives, and client specifications. With local representation and jurisdictional experience, we provide virtually every aspect of inspection and certification mandated by the ASME Codes and regulators globally.

With more than 400 engineers, inspectors, and auditors around the world, and with more than 150 years of engineering experience, HSB is highly qualified to help you meet local and international code requirements worldwide.

Our engineering and inspection services include a variety of service offerings to companies throughout the Americas, Europe, and Asia, and include, but are not limited to:

- Hydrogen Solutions
- Small Modular Reactors
- ISO 9001, 14001, 45001
- Technical Training
- Third Party Inspections
- Approved/Notified Body Services
- DOT, CDG, TPED+
- ASME
- International Codes
- Project Management

HSB is the largest Authorized Inspection Agency (AIA) accredited by the American Society of Mechanical Engineers (ASME).

Global participation in standards development

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|---|--------|
| Leadership and the largest participation in ASME Code Committees | USA |
| Representation on JSME main Committee on Power Generation Facility Code | Japan |
| PED Notified Body CABF participation | Europe |
| KEPIC - Main and subcommittee membership - Quality Assurance - Nuclear | Korea |

Our participation in and understanding of the requirements prepares us to assist on a wide range of compliance-related projects.

International codes and services provided by HSB

| Region | Regulatory body | Jurisdictional requirements | Services |
|--------------------------------|--|--|--|
| Australia | Local Jurisdictions | Australian Standards | Design Verification, Inspection, and Registration |
| Brazil | Local Jurisdiction | Brazilian NR-13 Regulations | Design Review and Inspections to NR-13 Regulation |
| Canada | Provincial Jurisdiction | Canadian Standards Association (CSA) | Inspection and Audits to CSA-B51 Requirements |
| Canada | Transport Canada | Transportation of Dangerous Goods CAN/CSA-8339-02 | Independent Inspections and Quality System Assessments |
| Europe | European Standards Committee | Pressure Equipment Directive (PED) Carriage of Dangerous Goods & TPED | Notified Body and Technical Assistance Design Approval and Inspections |
| India | Department of Industrial Development Central Boiler Board (CBB) | Indian Boiler Regulation | Inspection of Boilers, Boiler Parts, Components, Materials, or Other Components of a Boiler and its System |
| International | International Accreditation Service (IAS) | ISO 9001, ISO 14001, ISO 45001 | Quality Management System Certification |
| Japan | The High Pressure Gas Safety Institute of Japan | High Pressure Gas Control | Witness Testing for Closed Loop Refrigeration Systems |
| Japan | Ministry of Health, Labour, and Welfare (MHLW) | Construction Code for Boiler and Pressure Vessels | Design Review and Inspection |
| Korea | Korea Electric Power Industry Code (KEPIC) | Pressure Equipment for Korea Nuclear Power Plant | KEPIC Authorized Inspection Agency |
| Malaysia | Department of Occupational Safety and Health (DOSH) | Malaysia Factories and Machinery Act (FMA) | Design Review and Inspection |
| New Zealand | WorkSafe Department | Health and Safety in Employment Act | Recognized Inspection Body and Agency providing Design Verification and Inspection |
| Pakistan | Pakistan Boiler Board | Pakistan Boiler Regulation | Third-Party Inspection and Certification |
| Singapore | Ministry of Manpower (MOM) | Ministry of Manpower Factories Act | Design Review and Inspection |
| Third-Party Inspections | Local Jurisdictions | Customer Specification | Monitoring of Fabrication, Witnessing of Pressure Tests, Supplier and Vendor Surveillance, Expediting, Witnessing of Material Evaluation and Control, Design Verification, and Hydrogen applications |
| United States | Local Jurisdictions | ASME Nuclear and Non-Nuclear Boiler and Pressure Vessels | Design Review and Inspection for Small Modular and Advanced Nuclear Reactors applications |
| United States | US DOT - Pipeline and Hazardous Material Safety Administration | CFR 49 Transportation | Gas Cylinder Inspection, UN Portable Tank Design, Approval, and Inspection |

| Asia | | | | |
|----------------------------------|-----------------------------|---------------------------|--------------------------|--------------------------|
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