HSB

A Munich Re company

Small Modular Reactor (SMR) Inspection Services

HSB, a Munich Re company, is a technology-driven company built on a foundation of specialty insurance, engineering, and technology, all working together to drive innovation in a modern world.

Small Modular Reactors are the latest innovation in the nuclear power industry and HSB can provide the nuclear industry with extensive nuclear inspection experience.

Authorized Inspection Agency

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

We invest in the nuclear industry with the development of inspection requirements, and we understand the complexities of Small Modular Reactors. HSB's experienced engineers and inspectors around the world allow us to cost-effectively serve the nuclear industry's adoption of Small Modular Reactor advanced technology, coolants, and non-metallic moderating materials.

We provide pressure equipment inspections and engineering services to designers, manufacturers, owners, and operators of pressure equipment. HSB's engineers and inspectors are experienced in ASME, JSME, KEPIC, Canadian Standards, ISO Standards requirements, and Nuclear Third Party Inspection specifications. Our team can address your most difficult Small Modular Reactor development challenges.

Services

Experience: HSB brings together our unique understanding of different Codes and Standards with the knowledge of Small Modular Reactor development, Gen III (Light Water Reactors) designs, Gen IV (Non-Light Water Reactors) designs, and UK ONR regulatory requirements for independent inspections, assessor, and licensing processes.

Global staff: HSB has permanent, experienced nuclear engineers and inspectors located in the United States, China, Korea, South East Asia, United Arab Emirates, and Europe. HSB will support existing and new build nuclear projects when engineering and design challenges arise. Many of our experienced engineers and field supervisors are members of ASME Section II, III, VIII, IX, XI, and NQA-1 committees.

Client focus: HSB ensures that the delivered services meet clients' needs and requirements. Our nuclear engineers have extensive shop and in-service experience gained from over 50 years of inspections, support, and design services focusing on ASME nuclear components and modular designs.

Digital services: Exclusive access to the Front Door customer portal.

Features include:

- Extensive digital databases of ASME Code synopses and Code cases dating back to the 1970s
- On-demand viewing of ongoing inspections, hydrostatic testing, stamping status, and completed data reports
- Answers to the most challenging Code questions from our senior staff through Ask Codes and Standards

Customized training: HSB offers a variety of custom training seminars to help clients use the ASME Codes and Standards effectively and competitively. We show clients how to apply the Code to an existing process, while minimizing impact on production.

The nuclear industry is in the process of developing new and more efficient ways to build reactors. SMRs are smaller and made in modules. The 300 MWe, or smaller size, allows fabrication in module factory fabrication and transport to the reactor pad, which results in shorter construction, lower costs, and more stable investment. SMRs will improve nuclear power competitiveness and play a significant part of power generation over the next decade.

HSB utilizes our extensive knowledge of the ASME Codes and Standards, quality program development, surveillance activity, and many international codes to answer difficult problems that help you save time and money.

For more information, contact GetInfo@hsb.com.

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