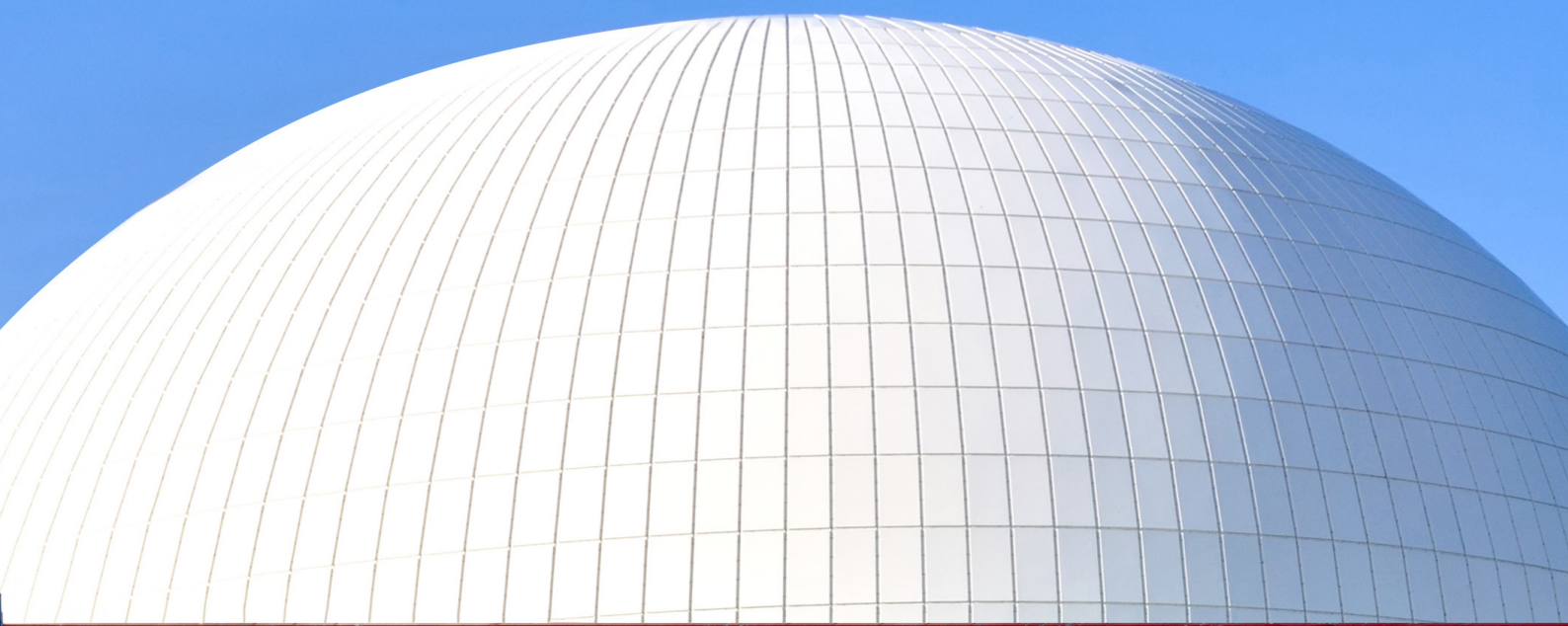


SAFE & RELIABLE

NUCLEAR POWER



BUREAU
VERITAS

SAFETY, QUALITY AND PERFORMANCE THROUGHOUT THE LIFE CYCLE

SAFE & RELIABLE
NUCLEAR POWER

Dedicated solutions for
PWRs, BWRs and PHWRs
from all OEMs

Compliance
verified

Safety
ensured

Regulations
fully
respected

Delivered to
specification

Risks assessed
and mitigated

Maintenance
costs
optimized



DESIGN & PERMITTING

MEET REQUIREMENTS
& SECURE VIABILITY

- › Feasibility studies
- › Siting support
- › Design review
- › Product certification (CE, ASME, GOST, RCC, IEC, etc.)
- › Risk assessment
- › Permitting support
- › Environmental impact assessment
- › Nuclear quality management assessment (NQA-1, GSR Part 2, ISO 19443)
- › Training (safety culture & codes/regulations)



PROCUREMENT

ACCESS A GLOBAL,
RELIABLE SUPPLY CHAIN

- › Supply chain technical assessment
- › Technical procurement support
- › Shop inspections (QA/QC)
- › Expediting
- › Factory acceptance tests
- › Transport, loading & unloading supervision



CONSTRUCTION

RUN PROJECTS SAFELY
& TO SCHEDULE

- › Project & construction management support
- › On site QA/QC
- › On site HSE
- › Welding services
- › Non-destructive testing (NDT)
- › Commissioning management support
- › Test run & performance test supervision
- › Take-over & end-of-warranty inspections



ASSET OPERATION

MAXIMIZE AVAILABILITY
& SHORTEN OUTAGE TIME

- › Periodic mandatory inspections
- › Non-destructive testing (NDT)
- › Occupational health & safety
- › Radiation protection
- › Nuclear material quality assessment
- › Environmental monitoring
- › Air quality & emission control
- › Logistics support & oversight
- › Training
- › Failure & damage analysis



ASSET MANAGEMENT

EXTEND OPERATING LIFE &
INCREASE PERFORMANCE

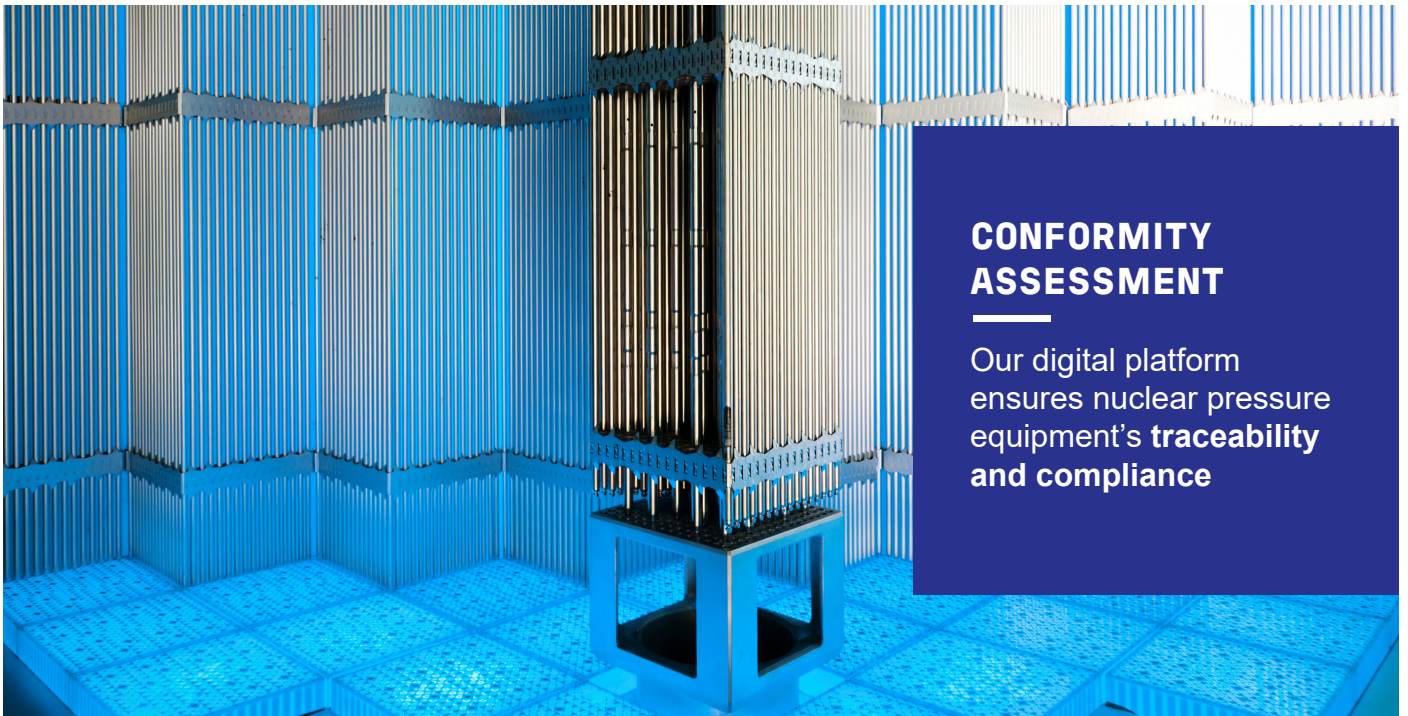
- › Production monitoring (fuel & waste)
- › Inspection & maintenance strategies
- › Condition monitoring & assessment
- › Asset integrity management
- › Reliability engineering
- › Risk-based inspections
- › Remaining life assessment
- › Lifetime extension support



DECOMMISSIONING

OPTIMIZE LATE-LIFE
MANAGEMENT

- › Due diligence
- › Environmental impact assessment
- › On site QA/QC
- › On site HSE
- › Radiation protection
- › Logistics support & oversight
- › Waste classification
- › Waste management surveillance



CONFORMITY ASSESSMENT

Our digital platform ensures nuclear pressure equipment's **traceability and compliance**

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.

POWER FOR TODAY AND TOMORROW

Your partner in the energy transition, Bureau Veritas helps society to both meet today's energy needs and transition to a low-carbon future. Our worldwide network of experts in renewable and conventional power generation, transmission and distribution build trust by delivering actionable, fact-based understanding.

140
countries

400,000
clients

84,000
employees

1,000
accreditations
& authorizations

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Shaping a World of Trust