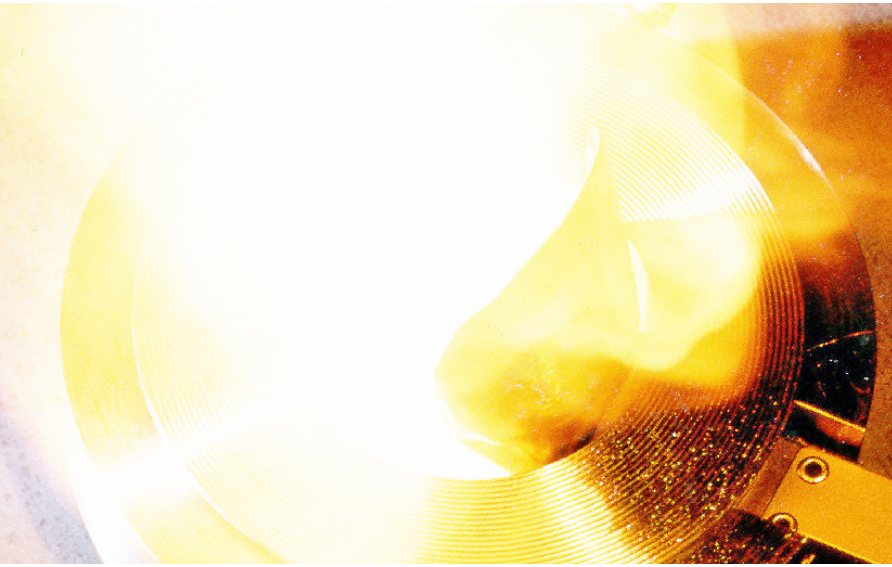


Pressure relief assurance



Checking, approval and validation services.

Inappropriate pressure relief calculations can lead to significant safety and environmental incidents. Poor design can also lead to painful financial and operational problems.

Responsible operators of pressure relief systems ensure that:

- Pressure relief design calculations are only carried out by engineers with the appropriate experience, knowledge and qualifications
- The design, modification and maintenance of pressure relief systems is carried out to the relevant and up to date standards
- All pressure relief calculations are checked and the approach validated by engineers with the right technical expertise

Increasingly there are fewer engineers available who regularly complete or check and approve pressure relief calculations, particularly involving more complex systems. Given this scenario operating companies often use third parties, with the required experience and expertise, to give confidence in the relevance and accuracy of pressure relief calculations.

What we offer

- On-site training and mentoring for professional development
- Existing pressure relief design basis audit and review
- SIL assessment for associated instrument safety systems
- HAZOP / Process Hazard Review (PHR) and demonstration of ALARP
- COMAH case review and update
- Development of internal standards and procedures
- Project design and management services

Ultimately this service is geared to support your safety related management requirements allowing you to demonstrate that your protective systems are valid, ensuring uniformity and accuracy.

Benefits

- Cost effective access to pressure relief experts, who are full time practitioners, but only when required by your business
- An independent and industry authoritative technical verification and checking service
- Confidence that the relief stream package contains sufficient information to safely and effectively manage future change
- Assurance that calculations are correct and conform to relevant codes and standards

As an ABB partner, this is a very cost effective and flexible service. You can either have a suitable training and mentoring programme, that allows your staff to do the calculations on site, or have the calculations developed, approved and assured by an appointed ABB specialist pressure relief engineer.

Why ABB?

As your pressure relief partner, we can provide a wide range of design, checking, validation and in-house competency development services. Our approach is tailored to fit your specific needs and to make the best use of your internal resources. We offer good value by ensuring that our experts are only involved when they need to be, without compromising the integrity of your systems. We have over 3 decades of experience working in the high hazard process industries.

Potential elements of this partnership service include:

- A checking and approval service for appropriate pressure relief process calculations and mechanical designs
- A validation service to confirm that relevant calculations were completed, by suitably qualified engineers and to the appropriate standards.
- A structured mentoring and training package for the professional development of your engineering staff.
- A 'health check' assessment to give confidence that your management systems for pressure relief are appropriate

