

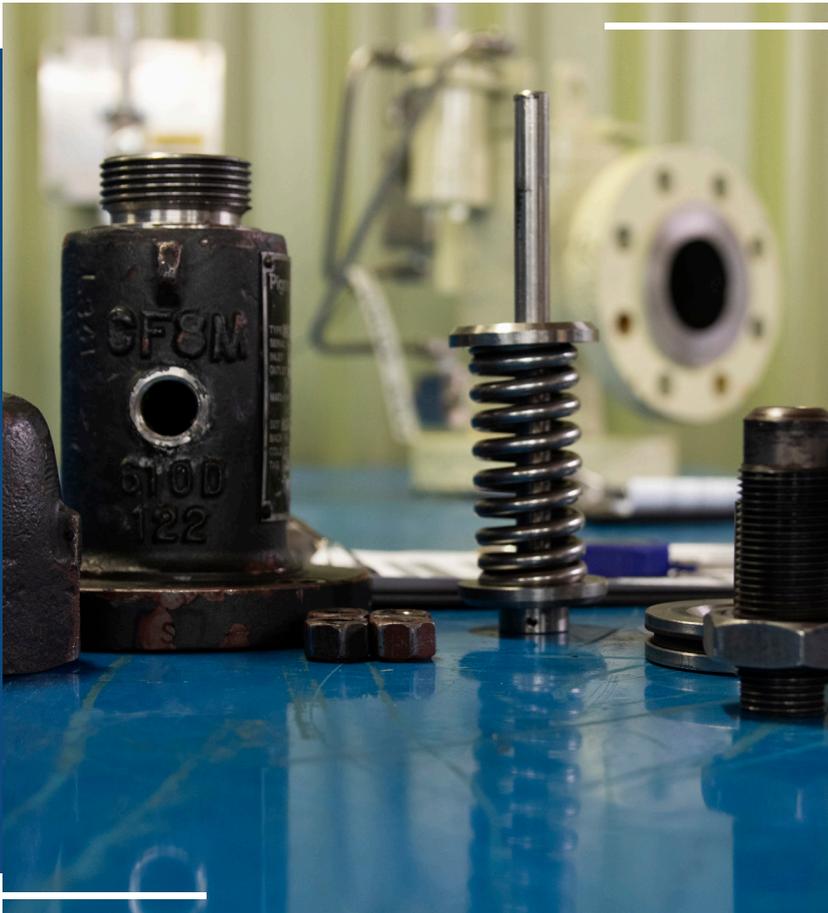
PSV 3 DAY COURSE CASE STUDY

CHALLENGE

Pressure Safety Valves are a critical part of oil and gas operations. Providing a last line of defence for pressurised systems, they can prevent catastrophic effects should the system over-pressurise. If a PSV was to fail the possible devastating effects of over-pressurisation can be costly in terms of any downtime while the damage is repaired, the release of toxic gases and oil spills can cause severe damage to the environment, and to the site or platform. To prevent this, various pieces of legislation must be followed to minimise any and all risks.

In early 2018, Score Training was approached by a large oil refinery, a client of Score (Europe) Limited, to provide PSV training for various members of their team. The client who distributes gasoline and other petroleum products throughout Israel had a need to improve the skills and knowledge of their technicians on the maintenance and testing procedures of PSVs.

The client requested a relevant PSV training course to be provided to technicians at the client's site.



SOLUTION

With Score Training's training facility being in Peterhead, Scotland, this project required a trainer to be sent on location in Israel.

Over the course of 3 days technicians were provided with a basic PSV knowledge including the function of bellows, and vital skills, such as the importance of establishing the Cold Differential Test Pressure (CDTP) and how to properly lap the disc and nozzle of the PSVs being worked on.

To tailor the course to the client's needs, Score Training also included specific testing requirements for the makes and models of PSVs being overhauled at the clients' sites.

50% of the training delivered was classroom based, focusing on the function and operation of various PSV types, how to recognise common PSV defects and frequent causes of poor performance. The remainder of the course was workshop based, allowing attendees to carry out the strip down, overhaul and testing of PSVs in a safe workshop environment.

OUTCOME

Following the training, technicians were able to put the skills they had learnt into use when servicing their PSVs on site, effectively improving the efficiency and effectiveness of their PSV maintenance routines.

The training provided was well received by the client, who has subsequently enquired about further training for technicians; the course also received excellent feedback from the attendees.

“Very interesting course! High professionalism and ability to teach material!”