

# COMPRESSION PACKING CASE STUDY

## CHALLENGE

Fugitive emissions are unanticipated or spurious emissions of gas or vapour from any part of the process plant which have major effects on the air quality around us.

Valves account for a high percentage of fugitive emissions being released from an installation, therefore it is integral that measures are put in place to prevent and reduce the release of fugitive emissions. Leaks from valves can also have effects on operating efficiency by causing production loss, which can be costly for installations. Using the correct compression packing techniques and materials can help reduce and prevent the consequences of leaks.

A large oil and gas operator with numerous oil and gas platforms worldwide contacted Score Training in early 2018. The client had identified that some of their technicians were having issues with the installation and maintenance of the compression packing used in their valves offshore.

The client wanted to make sure there was uniformity in the skills and knowledge of their technicians and therefore wanted to train over 100 technicians in the correct methods of installing and maintaining compression packing.



## SOLUTION

Score Training provided a customised Compression Packing course to smaller groups to ensure quality of training, provide a hands-on workshop element and to allow training to fit in around the technician's shift patterns.

Through the course the technicians were taught the difference between materials and when to use them, during a workshop session the technicians put theory into practice to install the compression packing into valves. The technicians learnt how to spot signs of packing failure, including uneven adjustment of gland packing and worn gland packing. They were also shown how to safety inspect and remove old material, being cautious of trapped pressure. Over a period of 9 months the original 100 technicians were all trained to the same standard in a series of courses delivered consistently to the client's requirements.

## OUTCOME

Following the original training requirements, the client reviewed trainee feedback and being delighted with the results added more trainees, requesting more dates to be added.

Score Training has continually received good feedback from the technicians attending. The technicians were able to implement the training they received in their day to day jobs, improving compression packing maintenance and having the ability to spot faults before they became a problem, helping to minimise downtime.

*"Great trainer. Great knowledge to share. Overall a good course that has taught me valuable information that I will use."*

*"Good course with some good technical information. Great to have practical element at the end. Trainer was excellent."*