CASE STUDY

GRAB SAMPLE PANELS

EXECUTIVE SUMMARY
This project involved modernising, replacing and upgrading obsolescent and deteriorated refinery analyser equipment, services and infrastructure with the aim of providing reliable and available analytical systems.

ABOUT THE CUSTOMER
Our customer is one of the largest oil refineries in the UK with a processing capacity of up to 10 million tonnes of crude oil per year (over 200,000 barrels per day). It was the first refinery to process North Sea Oil and has since grown and developed into one of the most complex and technically advanced refineries in Europe.

SCOPE OF SUPPLY
Grab Sample Panels.

THE CHALLENGES
The customer was first introduced to the Swagelok Lab Sampling Systems Standardisation Initiative. Unfortunately, the initial response did not meet the customer’s requirement, therefore we arranged a visit with Moritz Bruettinger (Swagelok Field Engineer) to provide a presentation demonstrating an animated flow diagram of the solution we were proposing. Following the support from Swagelok and a slight variation to the switching design using ETOP switching, the grab sample panel aligned with the customers’ needs.

THE SOLUTION
Swagelok held a PASS (Process Analyser Sampling Systems) training course in Aberdeen in November 2012. This was attended by the Analyser Project Engineer from the refinery. Feedback obtained from this course; 'the course itself was extremely interesting and very beneficial to my work'. This led to the Maintenance Analyser Engineer attending the same course the following year.

THE RESULTS
Our Grab Sample Panels provided a standardised, easy to use solution for upgrading the customer’s obsolescent sampling systems. Our panels replaced a simple tap-off filter sample connection by replacing the panels that provided an improved quality, representative sample more safely. The support that Swagelok has provided to the refinery has led to additional product supply including sample probes, tubing bundles and KEV heated regulator assemblies.