Introduction
Our customer is one of the largest North Sea oil and gas operators and have presence in more than 70 countries, producing around 3.3 million barrels per day of oil equivalent.

Summary
Any deviation in measurement approach from the one formally agreed requires that the pipeline operator and Oil & Gas Authority (OGA) are notified and in most cases, that notification must be formalised through submission of a dispensation request.

The required dispensation and deviation pro forma format is well established and is normally raised in a MS Word or PDF format. This document needs to work its way though the company internal QA and approval cycle, usually via email attachment sent from person to person before finally being sent to the pipeline operator and OGA.

For the KELTON customer, who operates four pipeline systems on the United Kingdom Continental Shelf (UKCS), this is time consuming and a cumbersome process to maintain which is open to error, misinformation and is easily overlooked resulting in punitive action from the pipeline and OGA.

Action Taken
KELTON developed an online software application to improve the efficiency and effectiveness of the whole dispensation and deviation submission and approval process. This application is ‘cloud based’ enabling access via any computer running a web browser with internet access.

Outcome
The application is in use across the Forties, Ninian, NLGP and WOS pipeline systems servicing over 40 production sites on the UKCS.

In addition to dispensation and deviations, the application has been expanded to allow shippers to submit mismeasurements for approval online.

KELTON have seen increased engagement of shippers within the pipeline due to the improvements made in the dispensation and deviation reporting process.