

Maximising the opportunity for collaboration and integration

Effective management of our offshore assets has never been more relevant considering the market conditions and challenges our industry faces today, writes guest author **Jason Brown**

ASSET MANAGEMENT



Adopting an integrated and collaborative approach to Asset Integrity Management (AIM) is not simply about companies working together. Instead we need to focus on a key behavioural shift, allowing us to tackle the systematic challenges of complexity and inefficiency within the modern oil and gas landscape. We need to understand how to maximise our collective

strength, share success and ensure that improvements are identified, supported, implemented and sustained.

Collaboration needs to be at the heart of our industry moving forward. We need to work together to innovate and find solutions – in turn, providing opportunities for growth. It should be our ambition to create value-adding relationships between organisations which are determined to derive real value from integrated and collaborative solutions.

Imagine if we could take this ambition and turn it into a reality? What if we could integrate some of the leading innovations, technologies and competencies into a single system, where the sum of these parts is significantly greater than the whole; maximising value, enabling optimisation

and providing a central platform for everyone to work within?

This is the journey that Aker Solutions and Return to Scene have undergone over the last 12 months, taking on the challenge of working in true collaboration and building a single integrated solution.

The conventional data management model is complex, relying on a huge amount of information, input and interactions from a variety of sources for topsides and subsea. Data is inconsistent and the volume is ever increasing. Traditionally, the industry has taken a preventative approach driven by existing, resource heavy risk models.

But why, with all this information and data, do we still find ourselves carrying out unnecessary maintenance on equipment that doesn't re-

quire it? Why do we still inspect systems where no risk of degradation has been identified?

It's time to make a change. It's time to make the data work for us.

By creating a single, collaborative system where everyone can access integrity and performance information, we can gain real value from asset data, producing the most effective results possible. We have called this system Quantified Visual Integrity, QVi.

QVi centres on our ability to create a dynamic, fully interactive 3D model of the complete asset, topsides, structure and subsea production system. We then link this model directly to the existing enterprise data in place, existing management tools, performance standards, our own proprietary Coabis and Integri-Tech systems, Re-

turn to Scene's R2S visual asset management system and a range of augmented third party solutions as appropriate or required.

This collaborative approach leads to genuine cost savings across a number of key areas, in particular the reduction of unnecessary inspection and maintenance requirements and the move from preventative to predictive execution.

Our industry is crying out for real results, lower costs, improved risk management and improved reliability and safety. We believe that QVi has the potential to address each one of these, a real value-adding solution to the industry.

Jason Brown is VP asset integrity management (AIM) at Aker Solutions



Malaria – prevention and preparedness is key



HEALTH CHECK

Dr Michael Braid

There are up to 30,000 travellers who contract malaria each year and, unfortunately, this figure is on the rise.

Increasing international travel to more distant destinations for employees across a range of industries means they are at greater risk of coming home with malaria. Although rare, imported malaria represents an avoidable risk to UK-based companies and business travellers.

Countries are reporting a rise in imported malaria cases and travellers are reminded about the importance of taking appropriate precautions and implementing prevention tactics when travelling to malaria endemic areas.

Clearly, a significant amount of global oil & gas production takes place in countries that are prone to tropical/sub-tropical diseases such as

malaria. So taking precautions is vital when travelling between, say, Aberdeen and destinations such as Angola, Mozambique and Nigeria regardless of whether you are working offshore or onshore.

A recent global study found that only 32% of travellers research diseases prior to going abroad. Great Britain is far below all of the other countries surveyed, with only 12% of people reporting they research diseases prior to travel abroad (International Travel: Risks and Reality 2015, an Ipsos Global advisor research study).

New data indicates a correlation between malaria education and the number of malaria in-patient, out-patient, and evacuation assistance services required by international travellers.

At International SOS, we analysed the requests for assistance received regarding malaria over a four-year period (2012-2015). The more calls for advice and information received, the less cases of people requiring malaria treatment and assistance. Malaria in-patient and evacuation cases spiked when there were fewer calls for information about malaria.

To avoid unnecessary costs and illnesses, it is crucial for travellers to know the symptoms of malaria and seek immediate medical attention if

they develop – even if they believe they have taken all the right preventative actions.

Malaria symptoms typically occur seven or more days after the mosquito bite and present as a fever in the first instance. Other symptoms include headaches, vomiting and chills, which may be mild and confused with flu symptoms. Some forms of malaria can progress to serious illness and death if left untreated.

Fortunately, malaria is treatable and almost entirely preventable. Medication will prevent malaria in 95% of people who take it correctly, and early confirmation and intervention is critical to avoid serious consequences.

People should take steps to avoid being bitten by mosquitoes when working in places with a risk of malaria, understand the risks at their destination, and also use preventive medication to protect themselves.

Travellers are encouraged to speak with a travel health professional prior to travelling to malaria endemic areas.

Free educational materials are available at <https://www.international-sos.com/topics/malaria2016>

Dr Michael Braid is regional medical director at International SOS

