



TORQUEASSIST

Quality control with data capture for flanged and mechanical joints

TorqueAssist is a revolutionary app from Ovarro that uses data capture to provide quality assurance when assembling flanged and mechanical joints. It's designed to work with most Bluetooth-enabled torque wrenches, allowing end users to capture installation information (include gasket and bolt type, location, weather and more) and automatically set torque values and record digital outputs from the torque wrench.



In the utility sector, pipeline construction is highly dependent on the pressure test - but there is uncertainty. Independent data shows that up to 30 per cent of new installations fail their pressure test first time, mostly due to weeps and leaks on mechanical joints. All of these failures would have been preventable with the right education, guidance and data capture. This is where TorqueAssist plays a crucial role.

FEATURES & BENEFITS AT A GLANCE:

TorqueAssist is designed to drive quality assurance on pipeline construction projects, both large and small, and provide quality assurance output for both asset owners and contractors. The app has many uses in the utility sector including the installation of valves, flanges, flange adaptors and mechanical joints.



Data capture

- Evidence of compliance to ensure manufacturers' installation procedures are followed
- Provides key efficiency data to supervisors. future needs of your infrastructure



Integrated technology

- Setting torques values can prevent incorrect process and values being used



Behavioural improvements

- Drives behaviours by asking operatives a series of important process questions, and guides operators through a complex process
- Acts as a guide and training aid to operatives



Smartform compatibility

- Customisable to provide enhanced data capture and QR codes



Cross platform

- Works with a range of manufacturers torque wrenches and torque equipment
- Connects through Bluetooth.



Quality assurance over data assurance

- TorqueAssist is the only application proven to improve quality



JointManager from Ovarro platform

- All data collected is viewed on this unique, industry-leading software platform
- Data can be analysed for asset types and features, locations, non-conformances

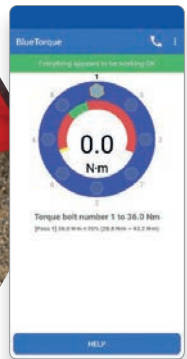
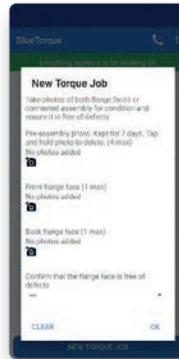
Ovarro believes data capture is only part of the story. That's why we've meticulously tested TorqueAssist to drive the right on-site behaviours, eliminate leaks and improve efficiency. The app is already being used by several tier one contractors and asset owners who have benefitted from improved efficiency and eliminating leaks.



APPLICATIONS

If your organisation is involved in the construction of pipework and ancillaries that require a torque setting to be achieved, then TorqueAssist will bring this data to life. Large or small projects benefit from its flexible data capture methodology and evidence provided to contractors, clients and asset owners to ensure the highest standards of quality, first-time.

In addition, if you currently use JointManager from Ovarro for other site data, this information can be linked and reported into project completion packs, adding another layer of efficiency.



CASE STUDY - PRESSURE TEST UNCERTAINTY

Budgets are often set to allow for rework on new pipelines, but this approach is inefficient and costly. That's why, to avoid time lost to leakages and reworks, a contractor used TorqueAssist from Ovarro to support the installation of about 400 flanged joints on around four kilometres of new pipework. The pipeline passed the pressure test first time, with no rework required.

In another case study, TorqueAssist was used by a contractor to demonstrate compliance with the standards to both the client and the pipe manufacturer during commissioning. Unfortunately leaks occurred, but the cause of the leaks were quickly identified. In this case they were caused by incorrectly-calculated torque values rather than by the installation. The leaks were solved by correcting the torque settings — which was much more efficient than the traditional solution of tightening bolts until the weep stops which risks damage to gaskets and flanges and can reduce the lifespan on the pipe. In the end, the contractor saved around £10,000



EASE OF USE

Operatives can confidently use the TorqueAssist app within a few minutes, once they have adjusted to a digital torque wrench compared to a conventional torque wrench. We also provide support on mobilisation and roll-out, and spending time in the field with operators is key to why Ovarro's product is proven to be user friendly, efficient and reliable.

Ovarro recommends end users receive EUSR training to gain the underpinning knowledge in flange assembly. This can be provided by us, and the old saying, "It's not knowing what to do that makes a skilled tradesperson, it's knowing why to do," is at the core of all Ovarro's training.

SUITABLE APPLICATIONS:



CONTACT US:

E-mail sales@ovarro.com
 Web www.ovarro.com
 Twitter www.twitter.com/ovarro_ltd
 LinkedIn www.linkedin.com/company/ovarro