1. What do you see as the biggest smart grid industry challenge and how does NES contribute to the solutions

We see the smart grid industry changing to reflect increased focus on efficiency of energy distribution, increased attention to operational efficiency and leveraging local and distributed generation. What is clear is that the physical solutions offered by smart grid providers have to provide the foundational layers allowing flexibility to enable innovative software solutions to achieve these overall industry objectives. Part of the solution is analytics, but it is also important for the infrastructure to allow de-centralisation of application logic towards the points of consumption and generation. This allows solutions to enable “energy brokering” rather than straight distribution.

NES provides sophisticated infrastructure, its unique Energy Applications Platform and analytics, and operational and security applications. These help DSOs make the transition from distribution to brokering.

2. Could you provide some background information on the current utility projects NES is involved in and what is NES’ contribution is to the projects?

NES has many projects running which demonstrate how we help DSOs meet their new business objectives. Projects including those in Sweden, Denmark, Finland, Poland, France, Austria, Germany and Switzerland are all demonstrating distributed intelligence, flexibility, configurable and upgradeable infrastructure, secure solutions, integration in the home and extended analytics. NES is also working in emerging markets to help DSOs in regions where efficiency and integration of locally produced energy can make significant differences to the economy and sustainability of growth.

3. What is your view related to the Open Smart Grid Protocol (OSGP) to promote and advance the capabilities of innovative solutions for utilities?

The OSGP provides a highly reliable and interoperable communications solution upon which all the above capabilities rely. OSGP solutions have been deployed into a wide range...
of environments and been proven to support communications for very stringent SLAs. Furthermore, the security offered by OSGP is best in class and allows DSOs to deploy their smart grid with confidence that they are maximising the protection they can achieve against cyber security.

Interoperability is critically important – through our deployments, we have proven that meters from different vendors can co-exist and can be managed through the same head-end and operational efficiency solutions. With OSGP, interoperability means operational simplifications and efficiency!

4. What will NES be showcasing at the EUW2018 - OSGP Alliance Pavilion and how does this contribute to the Energy transition?
NES will be showing its foundational infrastructure layer and will be focusing attention on the application solutions, which provide the innovation framework to meet our customers’ new business objectives. We will be showing our applications for analytics, operations efficiency and enhanced security, as well as our Energy Application Platform. These are the segments of the NES solution needed to enable flexibility and automation and in turn lead to solutions for energy brokering models.

5. Who should be visiting the stand and why?
All DSOs, especially any DSO seriously already looking at transitioning from an energy distribution to an energy brokering model should visit the NES stand. They will gain insight of the solutions provided by NES and how these can help them to become more efficient in distribution and operations and better integrate local and distributed energy generation.