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Biography

Attended North Carolina State University, graduated in 2008 with a BS in Nuclear Engineering. 7 years of experience in the field of nuclear new builds and construction projects. 2 years with NNB Project Hinkley Point C for EDF Energy. I have worked in 5 different countries (US, France, Finland, Sweden, UK) on 4 different EPR™ projects (US EPR™, Taishan, Olkiluoto 3 and HPC).

Abstract - Equipment Qualification Update On New Plant Construction- United Kingdom

"EDF is one of Europe's largest power companies and operates 58 reactors within France and 15 in the United Kingdom. The EPR reactor is currently being built in France, China, Finland with further plans for plants in the UK.

The UK energy policy is based on a future energy mix which can provide safe, secure, low carbon and affordable supplies. Nuclear energy has been identified as forming an important part of this energy mix. EDF Energy intends to be a part of this supply and have been granted a Nuclear Site License by the Office for Nuclear Regulation (ONR) to build a twin EPR on the Hinkley Point C (HPC) site.

EDF Energy actually makes up only a small part of overall structure of the qualification programme. The main design work and technical oversight is maintained by the EDF offices in France, in order to take advantage of the expertise of qualifying equipment for the French fleet of 58 PWRs as well as the new twin EPR. The design work produced in France, with the oversight of EDF Energy, is then fed into the global supply chain required to deliver the twin EPR on the HPC site.

As the work moves forward to the impending construction date, specific suppliers of long lead items and large contracts are entering into early involvement stages. Equipment Qualification was determined to be of particular focus based upon experience from the Flamanville EPR currently under construction in Northern France. Because of this, a number of these suppliers have added qualification to their early involvement work. EDF Energy, is currently working to engage the suppliers to define their strategy and help de-risk the suppliers' qualification.

Another intrinsic part of the process is the involvement of the ONR in the overall project delivery. One of EDF Energy's primary roles is to act as an interface between the design offices and the ONR. The ONR is not a prescriptive regulator and present their own

unique challenges when adopting a French design to the UK practice. It is the job of the EDF Energy Equipment qualification group to build a robust safety case that is acceptable by the ONR, reflects industry best practice both in the UK, and the world, and deliver qualified equipment to site on time and under budget."