



Ian Leaver – Thornton Tomasetti Pty Ltd,

Developing robust assurance capability in Australia to support AUKUS

Australia's AUKUS Submarine Industry Strategy focuses on the integration of Australian industry into both the US and UK submarine supply chains. To effectively achieve this, Australian industry needs to provide an equivalent level of assurance to the industry base in these partner countries (ie: aligning with US Navy SUBSAFE and UK safety systems) to remove barriers to supply equipment into respective nuclear build and sustainment programs. This presentation will focus on the requirements and opportunities within Australia in relation to shock testing as well as associated modelling approaches which are used to provide assurance of the design of nuclear submarines throughout the lifecycle of the platforms. These are areas which Thornton Tomasetti has a long history in supporting in the US and UK nuclear industries and insights will be presented from experiences in those countries in relation to how these can be achieved in Australia.