

FRAZER-NASH CONSULTANCY – OUR FUSION CAPABILITIES

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Abstract

[Opening statement on Frazer-Nash ethos etc].

Frazer-Nash has a strong history of undertaking and delivering complex & innovative integrated engineering tasks in the fusion sector, whilst providing expert strategic advice and sector knowledge. This poster provides an overview of this portfolio and the capabilities utilised in its delivery through several selected case studies of projects that support the development of fusion energy. These span a range of areas including: liquid metal coolant behaviour and thermal hydraulics; feasibility and design for heat and energy extraction; biological shield design; tritium engineering and control systems assessment for tritium plant; and design assessment of high-field pumping systems for fusion plant. Underlying these areas is a systems engineering approach to deliver integrated engineering, supplemented by deep and strategic expertise in the fusion sector. The poster will provide a view on emerging challenges in fusion engineering and supply to stimulate discussion on the evolution of the fusion ecosystem in coming years.