

TRACK 3: PROPULSION

“INNOVATIONS AND OPPORTUNITIES FOR IN-SERVICE SUPPORT FOR MILITARY PROPULSION SYSTEMS”

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ABSTRACT

The in-service support for civil and military propulsion systems has seen major changes only in the past 20 years. Traditionally the relationship between the operator and the manufacturer has been transactional and reactive: as and when required, the manufacturer or licenced service centres supplied documentation updates, spare parts, and repair & overhaul of engines, components and accessories. However, over the past two decades, market pressures in the commercial market have changed the in-service support offerings. Manufacturers and third party providers introduced comprehensive service offerings for corporate and airline operators, which transferred a wide range of responsibilities and decision power to the service industry.

Subsequently, military operators nowadays enjoy similar “Availability” service concepts through performance-based contracting such as (1) monitoring and analysing the engine condition to optimise the time on wing and prevent larger damage, (2) real-time diagnostics and 24/7 technical advice, (3) fleet and asset management consultancy. Going-forward, the digital evolution offers the opportunity that further enhancements to services will migrate from the commercial into the military environment: e.g. augmented reality in training, simulations for spares and maintenance requirements, advanced analytics, etc.

BIOGRAPHY OF SPEAKER



Mr Lars is the Director Defence Programmes for Rolls-Royce. He is responsible for the acquisition and execution of development, production and service programmes within the German subsidiary of the international corporation. In addition, he is accountable for business relationship between the Rolls-Royce Defence sector and the German government.

Mr Lars is a trained Aerodynamicist with more than 20 years’ experience in the international aerospace and defence industry. For the majority of the time, he worked with Rolls-Royce in leadership roles covering Programme Management, Business Development and Marketing & Sales, both in Germany and the United Kingdom.