Support Engineering

Through maintenance engineering and logistic support analysis, we develop structured support to lower operating and life cycle costs.

Support Engineering is an integrated and iterative process for developing a support strategy that optimizes functional support, leverages existing resources, and guides the system engineering process to quantify and lower life cycle cost. This is achieved by decreasing the logistics footprint, thereby making the system easier to support.

Selected quantitative methods are applied to identify and justify the resources required to support a system. The main activities include:

- Developing physical and functional structures

- Fault Tree Analysis (FTA)

- Reliability modelling

- Failure Mode, Effects and Criticality Analysis (FMECA)

- Reliability Centred Maintenance (RCM) analysis

- Level of Repair Analysis (LORA)

- Cost of Repair Analysis (CORA)

- Maintenance task analysis

- Support resource analysis

- Spares modelling and supply chain optimization