Aspîre

Logistic Support Analysis (LSA)

What is LSA?

LSA is the selective application of scientific and engineering efforts undertaken during the process of 'total system' development, (including in-service development).

LSA is an integral part of the Systems Engineering process and helps enable **compliance with operational and Cost Of Ownership (COO) objectives** through the application of the iterative System Engineering process of:

- Defining requirements, including inputs to the User Requirement Document (URD), the System Requirement Document (SRD) and the Statement of Work (SOW)
- Development of alternative Total System concepts and solutions
- Conducting System trade-off and optimisation analyses and studies
- System test and evaluation

The output from the LSA process is **properly supported in-service equipment at optimum cost**.

About Aspîre LSA

LSA Engineering and Management are a core activity for Aspîre; they are an integral element of the innovative Aspîre Methodology.

We deliver rigorously tailored, planned and implemented Supportability Engineering programmes that result in **reduced risk of programme overspend** and in the achievement of the **optimal balance between Cost of Ownership (COO) and Operational Effectiveness** during the in-service phase.

Aspîre provide a full LSA service and are established as a Centre of Excellence for the provision of Supportability Analysis.

Aspîre Methodology

We apply the **Systems Engineering** principles that are the basis of the Aspîre ILS Methodology.

The Aspîre approach provides a structured, logical method for defining programme outputs and hence for the selection of appropriate analyses and the associated information requirements; some of which will be stored in the Logistic Support Analysis Record (LSAR).

A range of innovative methods, processes and tools are used. These facilitate the generation of strategies and plans, project management, the development of requirements, the conduct of analyses, the management of information and data, and the generation of deliverables.

These methods, processes and tools are applied during bid preparation and during all the subsequent phases of the acquisition cycle.

Our Engineers have many years' experience gained whilst applying a range of Standards.

For More Information about our LSA services please **CONTACT US**. We will arrange for a Subject-Matter-Expert to talk to you.

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Multi Launch Rocket System (MLRS) European Fire and Control System (EFCS)

Teamed with Dornier Consulting, Aspîre conducted the LSA on this major program. A significant number of analyses were performed and included;

- ❑ Requirements Analysis & Identification
- ❑ Functional Analysis
- ❑ FMECA
- ❑ Damage Modes Effects Analysis (DMEA)
- ❑ Software Support Analysis
- ❑ Task Identification & Analysis
- ❑ Development of Support, Maintenance and Diagnostic Concepts
- ❑ Level of Repair Analysis
- ❑ Spares Ranging and Scaling
- ❑ Sensitivity Analysis
- ❑ Testability Analysis
- ❑ Maintenance Planning
- ❑ Generation of a Support Case

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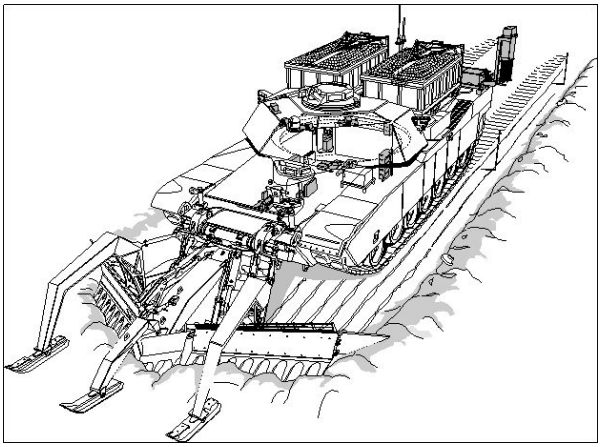
US Marine Corps Assault Breacher Vehicle Programme

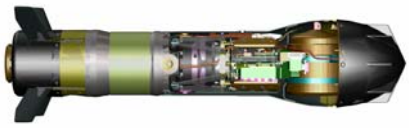
A range of 'best-of-breed' Front-end equipments and related remote control systems are being addressed by a Supportability Engineering programme aimed at providing a system that is operationally effective and inherently supportable in an extremely hostile environment.



Next Generation Light Anti-Armour Weapon (NLAW)

Aspîre Bureau supported Saab Bofors Dynamics (SBD) on the British Army NLAW Project (A portable, short range, fire-and-forget system). Aspîres' tasks included:

- ❑ Baseline Comparative Analysis
- ❑ Level of Repair Analysis (LoRA)
- ❑ Training Needs Analysis (TNA)
- ❑ Reliability and Maintainability (R&M)
- ❑ Reliability Centred Maintenance (RCM)
- ❑ Maintenance Task Analysis (MTA)
- ❑ LSA Report Generation



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