



Background

The Aspire Bureau was contracted by Saab Bofors Dynamics (SBD) to provide Supportability Engineering for the Next generation Light Anti-Armour Weapon (NLAW).

NLAW developed by SBD, was selected by the British Army NLAW Project. This portable, short range, fire-and-forget system entered service in 2006 to replace the British Army's LAW-80 system that is reaching the end of its operational life.

NLAW is a £250-£300M programme to provide lightweight anti-tank guided weapons (ATGW).

Both launcher and missile development are carried out at SBD facilities at Eskilstuna and Karlskoga in Sweden. Thales Air Defence is the major UK partner, responsible for final assembly and test, of the weapon and some training equipment, carried out at their facilities in Belfast.

SAAB BOFORS DYNAMICS

Aspire Involvement

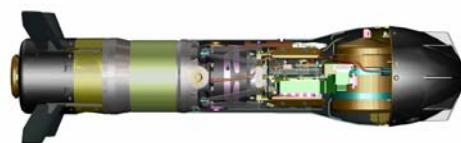
Aspire provided Integrated Logistic Support (ILS) to SBD, for the UK Ministry of Defence (MoD) NLAW Assessment Phase programme and were retained to provide ILS Management during the Demonstration and Manufacture phases.

Aspires' Support tasks encompassed Systems Management through to Logistic Support Analysis (LSA) tasks, including:

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

Initially Aspire provided the ILS Manager to set up the programme, and then handed over to a SBD Manager to implement. Aspire supported the ILS Manager with LSA management and programme implementation support, TNA and RCM analytical support.

Following the success of the UK MoD NLAW Programme SBD engaged Aspire to support the parallel FMV (Sweden) NLAW programme, which was a joint programme.



For More Information about the Aspire Bureau please **CONTACT US**. We will arrange for our Bureau Manager to talk to you.

Aspire

Aspire Bureau Service

The Aspire Bureau consists of **Subject-Matter-Experts** located at Aspire offices.

By using Aspire's Bureau Service, the project was supplied with the **right skill set at the right time** in the programme. This added value to the project by using specialist skill sets, ensuring quality analysis was delivered to milestones and contributed to the cost effectiveness of Aspire field Engineers.

As a core part of the support management team, Aspire applied innovative supportability engineering expertise, to ensure that the British Army received a **totally integrated Support Solution** comprising complementary proposals for the NLAW Weapon System, Training systems, and Support systems.

The LSA programme undertaken by Aspire was designed to ensure that each element was not only **operationally effective**, but was also supported in the most **cost-effective** manner. This was highlighted as being an essential selection factor in the NLAW competition.

Conclusion

This Case Study provides an example of The Aspire Bureau's ability to **support a major European Defence Prime Contractor** ensuring the delivered mission system has a **robust, pragmatic and cost-effective Support Solution** alongside a highly effective mission system.



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Aspire Training for the British Army

Aspire conducted a full and comprehensive TNA and provided assistance in designing and production of a 'Train the Trainer' Course and supporting publications.

Initial training of British Army instructors was carried out with subsequent courses conducted by British Army instructors.

The training package for the UK MoD includes:

- Drill rounds (DR)
- Indoor trainers (IDT)
- IR-based Short Range and Field Trainer (SR&FT)
- Weapons Effect Simulator (WES)
- Dummy rounds (DuR)
- Ammunition Technical Officer's (ATO) training package

IDT is for use in a Dismounted Close Combat Trainer (DCCT), both systems being supplied and manufactured by FATS Ltd. Lincoln, UK and Atlanta, USA.

The SR&FT was supplied by Thales Air Defence Systems and includes the common weapon replica fitted with NOPTel IR technology.

The WES was supplied by Saab Training Systems.

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