

NIGHTSHADE

User Configurable, Rapidly Deployable
Secure Infrastructure

Secure operations anywhere. Even where
infrastructure doesn't exist

Challenges

- HMG has revised security policy due to enhanced threat of compromise of classified or sensitive assets from surreptitious attack
- MoD information owners have reduced risk tolerance leading to enhanced project security aspects
- MoD's appetite for RBCs is reducing and by 2028 all FSC facilities are expected to be STaMP compliant
- Secure by Design has placed increased emphasis on supply chain security. The cost of conducting business within the Defence Industry has increased significantly
- Digital Engineering / MBSE trends are going to drive more data exchanges at S and TS
- Investing in new physical builds at every location where a supply is going to now work at S or TS is going to be prohibitively expensive, be difficult for MoD to staff and drive an unacceptable delay to the delivery schedule
- Mindful of sustainable ways of working in line with Government led climate initiatives and company specific goals means enabling people to work locally is desirable.



How it works

- Leonardo's 'patent pending' design integrates certified elements from the NPSA Catalogue of Security Equipment with its proven knowhow from 'wet builds' to ensure a solution at TS that is fully compliant with UK Government STaMP policy

Our Solution

With Nightshade, Leonardo can:

- provide a rapidly deployable and transportable space for temporary working with classified information up to TS.
- deliver within 14 weeks of order, with full assurance case in accordance with UK MoD PSyA requirements.
- offer a capability that can expand from a single ISO footprint to a multi-ISO footprint to meet user space requirements.
- configure the space in a range of designs to suite end user needs: meeting room, office, lab, network room, and provide fitted for IT or with IT included.
- offer a 'Swing Space' to maintain operations during traditional wet builds as well as temporary deployments for 'off-site' testing
- offer remote monitoring should local guarding not be possible
- configure for compatibility with other Leonardo solutions, such as SHADOW where the user requires local secure IT and doesn't have this available at site, or HEIMDALL where additional assurance is required for the management of Personal Electronic Devices.

Key Benefits

1. Secure by Design - Use of MOD assured IT for all design activity which is treated as S Implementation of overarching Security Management Plan (SMP) for the design,

2. manufacturing, installation and maintenance. Manufacturing carried out on FSC certified secure site with additional controls for access to work area. Photographic evidence throughout the manufacturing process. All persons involved in the design and manufacturing lifecycle to be UK Nationals with the appropriate security clearances
2. Rapid: Our pre-approved designs and close working relationship with PSyA and NPSA mean that we can provide NIGHTSHADE to site typically within 14 weeks of order.
3. Supportable: We can work with customers to provide a range of service options to ensure the capability is maintained through life. For example: Site Inspection (ground survey, containment routing, existing site security arrangements, Existing services location and capacity); User Configuration (use case development, layout / size, zones, power, roles); supply, installation and commissioning (options of ICT, EUD, VTC, HSE obligations included); Operational Support (user training and provision of operating manuals, change management, provision of user SyOps for the facility, option for ongoing provision of security monitoring, physical inspections, and patching as required).

Ideal for:

1. Enabling customers to deploy 'edge computing' and bringing processing power closer to where the data is generated, reducing delays and network congestion where the data is vulnerable to attack.
2. Supporting SMEs to meet their UK MoD security obligations without the capital investment required for wet build FSC areas.
3. Supporting organisations to maintain operations whilst existing facilities are enhanced.
4. Enabling off site testing to occur where it is not practical to build a traditional wet build FSC.

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