

THE NeO CONSORTIUM

All of your needs covered

The 'TURN-KEY' Solution

Platform Integration Services. One simple solution for military communications.

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THE NeO CONSORTIUM

The definition of 'TURN-KEY' is 'a type of solution that is easily or readily deployed into a current business, system or process by a third-party, which is able to be used immediately once installed or implemented'.

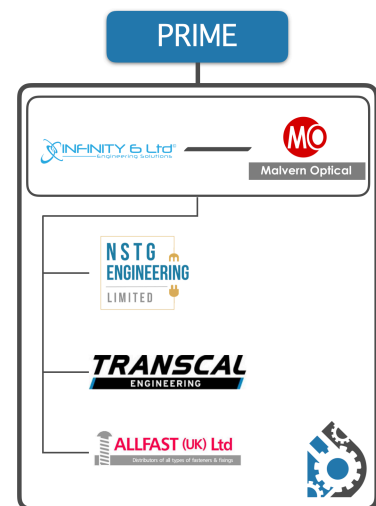
The NeO (New Engineering Order) Consortium is the collective name for the group of companies that have agreed to come together in a collaborative way to support primes in the delivery of 'Platform Integration on land and maritime vehicles. To cover military communication across current and future projects.

We represent a third party supply chain solution to fulfil project requirements, with a strong focus of 'on-time' and 'on-budget'. A large risk to a prime is engaging unknown suppliers, or even competitor companies as delivery partners.

We understand there is a need to have more than one option for programme contingency and to ensure competitiveness when looking at suppliers. Yet, having a 'primary' set of suppliers for any project is the safest solution. Utilising potentially costly additional support only as a last resort.

This is why the size, flexibility and capability of the companies in this consortium are a very particular match to the requirements of any project.

We are a group of companies, with a proven track record and can be the partnered supplier for Platform Integration.



"Larger suppliers or companies that provide manpower and expertise will have many competing projects and other priorities. Meaning a large prime project may or may not be their primary focus at any particular time."

MANAGEMENT

NeO streamlines the process for large primes by having all the backend administration and supply line management handled via NeO and managed with the Prime. This translates into time benefits in administration, and so financial savings.

We have the capability and desire to interface with a primes current management and reporting systems. To guarantee smooth communication on programme milestones.

EXPERIENCE

All members of the consortium either currently support large primes with ongoing projects, or have done so in the recent past. This ensures that all members already have an understanding of the systems and expectations of delivery and quality. All the companies in the consortium go above and beyond regarding commitment and delivery to projects. Other companies supply similar products and services, but not in the same supportive and innovative way.



MEET THE MEMBERS

Five proven companies committed to their specialisms with a strong history

The consortium's member companies have over 70 years collective trading activity. The combined engineering experience of the people that work inside the consortium is significantly more. Many have worked for large primes before and include a number with military service.

With an enviable customer list spanning the Defence, Aviation and Transport sectors means we are well placed to support Primes. The combined capability in the consortium is second to none for Platform Integration.



Malvern Optical



NSTG ENGINEERING **Electrical Design**

Highly experienced in the delivery of complex cabling systems in the defence industry. With the ability to supply complex defence cable harnesses.

TRANSCAL **Manufacturing**

A world renowned manufacturer of custom assemblies for the aerospace, automotive and rail industries. With design capability and 3D scanning.

INFINITY 6

Installation Design

A flexible and dynamic engineering company, highly experienced in military platforms and C4I, and provides a rapid response when deploying teams, or longer term support for larger contracts.

ALLFAST

Fixing Supplier

A local and trusted supplier of fixings, fasteners and P-clips required for ID&C and installation in land vehicles.

MALVERN OPTICAL **Research & Testing**

A research and development provider primarily in the electro-optic and electromagnetic (radio frequency) systems domains.

VALUES

There are clear capabilities that each consortium member has, proven on current and previous projects. Engaged as subject matter experts, or required to supply components or elements of a specific type or design. What sets the consortium apart are the combined values under which unmatched work is delivered and the support given. This shows in the way we support our customer, and in the quality and desire to deliver.

CUSTOMER SUPPORT

Small companies working in the Defence Sector with many Prime companies have to stand out. This means customer service and support is one of our strongest suits. NeO was formed to make defence Primes a priority for Ministry of Defence projects.

QUALITY IN EVERYTHING

Quality is a key requirement for large primes we understand that. But we also understand this applies to everything, the work, all communication and associated documentation. Driving towards quality in the consortium delivers effective combined planning, risk management and contingency.

ABOVE AND BEYOND

We are flexible, we see a project through to completion. The consortium positions itself both geographically and in its values in a place that means hitting deadlines, even if things go wrong. We commit to a project, and each task as a team, however challenging.

OBJECTIVES

ECONOMY

EFFECTIVENESS

EFFICIENCY

QUALITY

ETHICS

Economical activity is not only achieved by accurate budgeting, but in embracing all the other listed objectives. 'On budget is critical'.

Doing the right kind of work with the right team is the only way to be effective, the consortium are highly experienced subject matter experts.

Being effective isn't enough on its own, efficiency is a requirement when delivering to milestones to keep budgets on track. Good planning is a consortium mainstay as it drives our efficiency.

Poor quality is unacceptable, especially when delivering defence contracts where lives matter. Many of the consortium team members are ex-forces, so understand this requirement.

Ethical operation when delivering work, better management of teams and an open dialogue with clients is critical. Meeting compliance and regulation is assured.

SERVICES

ID&C

- **DESIGN** - Full design review and technical documentation with supporting CAD.
- **INSTALLATION** - Complete range of engineers to meet all stages of installation.
- **CERTIFICATION** - Verification & Validation, acceptance testing capability on land platforms.

TESTING

- **DEF STAN 59-411** - Mutual interference, susceptibility and radiation hazard testing.
- **TEMPEST** - Accredited by the National Cyber Security Centre to undertake platform testing to SDIP-27/2
- **EM SYSTEM DESIGN** - Advice and consultancy to manufacturers.

SUPPLY

- **CABLE ASSEMBLIES** - Built to exact technical specifications.
- **AKEE** - Designed, manufactured and compliant.
- **FASTENERS & FIXINGS** - A full range for Platform Integration.

Full C4 - Command, Control, Communications and Computers integration for land vehicles, including testing and supply chain management.

Competence	Infinity 6	Malvern Optical
Military Platform ID&C experience	✓	✓
Extensive BCIP experience (and JSP604)	✓	✓
Multi platform systems engineering experience	✓	
Human factors integration	✓	
Scalable, experienced engineering workforce	✓	✓
State-of-the-art CAD and 3D scanning technology	✓	
Testing to DEF-STAN 59-411		✓
TEMPEST Testing to SDIP 27		✓
Approved Quality System	ISO 9001	ISO 17025
Secure facility	Shared Secure footprint within Malvern Optical's Pershore facility with accredited IT systems	
Section 5 firearms		
Crypto and PMM handling		
Suitable military vehicle workshop		
Security cleared personnel	✓	✓
Programme management	✓	✓
Familiarity with Prime processes and operation	✓	✓
Supply chain management	✓	
Engineering fabrication, cable design and fasteners provided by Transcal, NSTG Engineering and Allfast (UK)		

LOCATION

Malvern Optical has extensive and unique secure facilities for developing and testing of prototype and in service systems. This includes prototyping laboratories, a large electromagnetic screened room (16 x 16 m), a 200m antenna radiated pattern range with vehicle turntable (70T weight limit), a 1.2 km laser and imaging range and 100 m long 'Dark Tunnel' facility for controlled environments.

The location is an accredited Ministry of Defence secure facility with crypto storage and a Section 5 firearms license. The location is radio-frequency (RF) quiet and offers additional trials facilities.

All of the consortium members are situated within a close proximity of each other, making logistics and collaboration easier. This gives a distinct advantage when a 24-hour response to a problem or change request is the only solution.

Accessibility is key for better communication, being able to get together for important meetings, whether for progress, design authority or planning purposes. We have the space and capability to house and ring fence additional space for any prime or Ministry of Defence people that need to be close to the work.

"Pershore, Worcestershire is the location for our main integration services. Being centralised geographically makes the consortium accessible from the Prime and for MoD"

Infinity6

Infinity 6's engineering team is co-located with Malvern Optical. Utilising a segregated area within the facility ensures full confidentiality across all projects. Compliance around materials and documentation management is delivered using relevant local protocols and security. Including I.T. with 'Cyber Essentials', and secure storage.

Transcal & Allfast

Both of these companies are within 30 minutes of the Pershore site, so are easily accessible. They have the facilities and capability to manufacture and supply into the consortium as and when required.

NSTG Engineering

NSTG Engineering is based in Bristol, approximately 1 hour from Pershore. NSTG Engineering is a fully remote and highly flexible business that can react immediately to any cabling issues that may arise.

BENEFITS AND SAVINGS

A Prime can benefit from engaging with the consortium to deliver its projects. There are many specific areas that streamline the process and in turn create financial savings. The consortium has a long term vision of supporting the Prime on multiple projects and for many years. Engaging the consortium gives a capability that feels like it's 'in-house'. Which many competitors would struggle to achieve.

BENEFITS

A complete range of capabilities across Platform Integration.

A number of companies and capabilities are required to deliver integration services. The consortium is unique in having all the companies in it agreeing to support each other and the Prime. This represents a singular cohesive solution.

A robust team of subject matter experts with extensive experience.

The team members in the consortium represent a large contingent of the experts in the UK. Able to carry out integration at the highest level of quality, with a commitment to deliver that's second to none. It's hard to find so many experts in one place.

A singular site for critical delivery components.

The ability for the Prime to deliver a vehicle to our location and then have it go through the full platform integration without being moved again until completion is rare. Backed up by a supply chain capability that can be as quick as a 24 hours response. Both make project management efficient.

SAVINGS

Hidden or unknown costs are always the most challenging to justify when they come up after the project has started or on completion.

The consortium understands this, and will be very open and transparent with any quotes or costs.

This also applies to additional unforeseen expense arising from change requests. We will always quote fairly in these high pressure situations. Others may not.

Vehicle transport can be expensive. Outside of initial delivery and final removal, when a vehicle enters the consortium work flow, its management and movement is our responsibility.

Much of the supply chain management has an administration and time cost for the Prime. We would manage that work. including direct recruitment, per diem and expenses.

Facilities for storage and management of the Prime's long lead-time or valuable assets may also be provided on request.



INFINITY 6 CAD

The 'TURN-KEY' Solution

Platform Integration
Services for PRIMES.
One simple solution
for military
communications



CONTACT



THE NeO CONSORTIUM
All of your needs covered



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