

# **CORVUS: NEXT GENERATION CEMA SOLUTIONS FOR SENSE, SHIELD AND ACT CAPABILITIES**

## **Delivering information advantage**

Based upon an open standards approach, CORVUS provides scalable, versatile and agile multi-platform solutions to meet the rapidly evolving threats of today's congested and contested battlespace – delivering information advantage to the Commander.

### **A CONGESTED BATTLESPACE**

Greater knowledge and information are key to providing the Commander with the ability to control and exploit the modern battlespace, as threats grow at a greater pace than ever before.

Advances in technology mean that sophisticated communications and sensor capabilities previously only available to government agencies can now be acquired by smaller and unregulated hostile groups. This is a scenario which enables them to co-ordinate attacks with new found freedom of movement and communication and increases the threat they present.

As the capabilities of our enemies and adversaries grow – fuelled by porous borders, terrorism, hostile foreign powers, transnational organised crime or attacks on infrastructure and assets, the need to protect, detect and counter threats intensifies.

### **ONE STEP AHEAD**

CORVUS is an open standards approach to CEMA solutions that can be scaled across a family of static, mounted or dismounted systems. Built around a highly agile architectural core, capable of hosting user defined, mission specific CEMA applications, CORVUS enables rapid end user configuration in the field to stay one step ahead of the adversary.



## **AN EVOLUTION IN CEMA CAPABILITY**

A single, modular, scalable architectural approach:

- > Application driven
- > Multi-functional
- > Utilising open standards

## **FREEDOM OF MANOEUVRE IN A CONGESTED AND CONTESTED BATTLESPACE**

Key benefits:

- > Increased user agility
- > Rapidly reconfigurable in the field
- > Multi-role operation in varied and diverse operating environments
- > Supports secure, sanitisable storage of application data
- > Seamless integration saves time and money
- > Comprehensive suite of health checks to assure operational parameters

# AN OPEN STANDARDS APPROACH

As the digital era expands, the need for actionable intelligence expands with it. With technologies evolving quickly, they must be matched by versatile solutions that respond to changing targets and intelligence requirements.

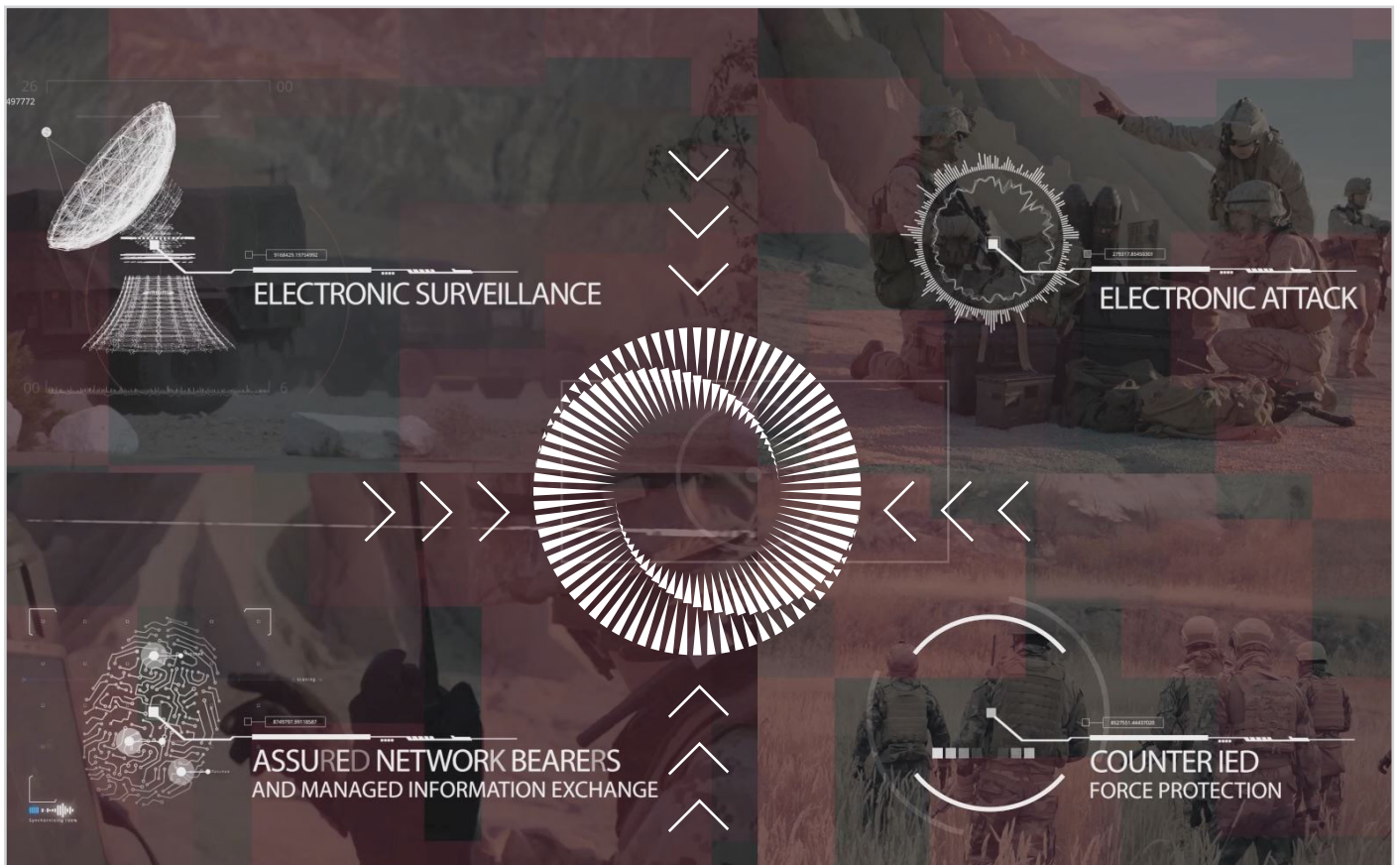
In a hostile environment where every moment counts, the highly versatile, modular and rapidly deployable nature of the CORVUS architecture greatly enhances the flexibility of operations and freedom of manoeuvre between the Commander and troops, but it is not only the front line that benefits from the scalability of CORVUS.

The constraints of traditional stove-piped EW system hardware can delay and disrupt mission success. CORVUS allows for seamless integration across multiple platforms and domains saving time, effort and money.

Whether systems are static, mounted or dismounted, CORVUS allows for seamless integration and rapid end-user reconfiguration in the field resulting in faster action and operational advantage against the adversary.

“The very rules of war have changed. The role of non-military means of achieving political and strategic goals has grown, and, in many cases, they have exceeded the power of force of weapons in their effectiveness”

- Gerasimov, 2013



## SEAMLESS INTEGRATION

CORVUS enables modular, scalable network solutions that allow multi-role, multi-platform integration seamlessly throughout the mission and across multiple domains.



# MULTI-ROLE OPERATIONS

## SENSE

### ELECTRONIC SURVEILLANCE

Unless the Commander has the ability to detect, locate and analyse communications across the spectrum, the enemy will always hold the initiative and the vital element of surprise. CORVUS provides an enhanced ES role by working across platforms to ensure fast and seamless intelligence delivery that creates information advantage.

## SHIELD

### COUNTER IED

Our solutions are continuously evolving and are designed to provide flexible and targeted countermeasures for convoy protection, troop protection, VIP protection and EOD teams. CORVUS is simple to deploy and is configurable across all domains.

## ACT

### ELECTRONIC ATTACK AND OFFENSIVE CYBER

In an environment where the threat is constantly evolving CORVUS offers a responsive solution that adapts with the battlespace. Whether spoofing signals or degrading networks to destroy enemy communication channels, CORVUS delivers both the actionable intelligence required to make the decision as well as the tactical ability to carry it out and dominate the spectrum.

## AGILE CEMA SYSTEMS

Information advantage for every scenario:

- > Multi-role
- > Multi-platform
- > Multi-domain

## SCALABLE OPEN ARCHITECTURE

Supports multiple CEMA-based applications:

- > Electronic Surveillance
- > Counter IED
- > Electronic Attack
- > Offensive Cyber

## CUSTOMER-CRITICAL CONFIGURATION

A rapidly changing threat environment also demands responsiveness on our part. Bespoke or customised solutions are increasingly needed, and we work tirelessly to ensure all CORVUS solutions are shaped and optimised to meet specific customer needs.





## PARTNER OF CHOICE

We design, develop and deliver advanced electronic systems for the protection of people, infrastructure and assets when and where it matters.

We create scalable solutions by investing in innovation and delivering excellence. Working in partnership with civil and defence organisations, we defend against evolving and emerging threats worldwide.

As part of the leading US defence supplier L3Harris, we are resourced to anticipate and support our customers' evolving needs, staying one step ahead of the threat in a changing environment.

Our flexibility comes largely from the fact that we have retained the ethos of a smaller company, where relationship building is paramount.

The long-term customer, industry and in-country partnerships we develop pay huge dividends in terms of trust, responsiveness and our understanding of key issues.

These strong partnerships are a testament to the quality of our people applying their in-depth market knowledge and technical experience in order to understand our customers' requirements.

## 35+ YEARS DESIGNING AND MANUFACTURING CEMA SOLUTIONS

Proven experience in:

- > Vehicle, portable and personal solutions
- > Active and reactive solutions
- > Threat profiling, analysis and waveform protection
- > Innovative solutions underpinned by our own R&D
- > Through-life support
- > Training and consultancy



## CORVUS

Next generation CEMA solutions providing SENSE, SHIELD AND ACT capabilities

CORVUS  
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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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