# EDS DEFENCE SERVICES
## Enabling Capability Development

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# EDS – a global provider with local strength

| | Employees | Revenue (US$) |
|---|---|---|
| **EDS Globally** | **120,000** | **US$20Bn** |
| **EDS in Australia** | **6,000** | **US$1.3Bn** |

— We serve 500+ government clients in 27 countries
  - In Australia we have a 15% Government sector market share
— Globally we manage more than 65,000 servers
  - Including for some of the biggest organisations in Australia
— We support more than 3 million desktops
  - 90,000 in Australia alone
— We respond to 25 million support calls a year in 32 languages
— We are focused on providing GreenIT solutions to help reduce our own, and our clients, environmental footprint



# EDS in Defence

| | |
|---|---|
| US Department of Navy – Navy Marine Corps Intranet (NMCI) | 320,000 seats under management<br>Only network larger is the Internet itself |
| UK Ministry of Defence – Defence Information Infrastructure (Future) (DII(F) | Information infrastructure providing connectivity between headquarters, battlefield support & the front line |
| UK Ministry of Defence – Joint Operations Command Systems (JOCS) | Joint warfare command and control system |
| US Department of Defense Common Access Card solution | Over 14 million smart cards delivered and processed |
| US Department of Defense (Command Communications Survivability Program) | Upgraded the majority of the Pentagon's IT Infrastructure post September 11 |



# Capability Development
## The characteristics of today's capability development environment

— Increasing time pressures
  - Operational tempo means that the 'Needs' identified during operations must be transformed into solutions quicker than before
— Increasing industry collaboration
  - The complex system-of-systems required to support today's warfighter largely require the involvement of more than one organisation
— More complex engineering/system engineering environments
  - Complex, interwoven systems and systems-of-systems
  - Developing and complying with frameworks
  - The need to meet legislative requirements and de-risk projects
— Tighter control on costs
  - "Right First Time" approach
  - Minimise risk



# How EDS enables Capability Development
## Providing enabling technologies and solutions

— EDS provides enabling technologies for capability development…
  - to organisations (Government and Commercial)…
    - Defence (and Defense!) primes
    - Australian, US, UK and other Defence Departments
  - throughout the Capability Development process…
    - Frameworks and tools for identifying and capturing needs
    - Management of requirements to ensure needs are met
  - at a number of levels…
    - From traditional Information Systems support through to complex simulation solutions

# Engineering in a Box

## Rapidly deployed managed engineering environments

*Increasing time pressures… Operational tempo means that the 'Needs' identified during operations must be transformed into solutions quicker than before… Companies are involved in delivering increasingly complex projects with ever tighter timeframes*

- Major global defence company needed to rapidly ramp-up their engineering systems to support its work on the F-35 JSF Program
  - Integration of PLM with extant CAD, CAE, CAM and supplier systems
- Traditionally, the company bought individual licences, costing upwards of $US20,000 each for their 1800 engineers
- EDS delivered a complete, ready-to-run solution in a fraction of the normal time required, consisting of:
  - Hardware – via a leasing system reducing up-front capital investment
  - Software – licensed via a usage driven just-in-time model
  - Support Services – supporting all hardware and software, including helpdesk

*"Our new fully managed workstation environment enables us to work more efficiently and focus our engineering expertise on successfully fulfilling the F-35 program deliverables".*
Global Defense Company



# Collaborative Design Environments

## Improved collaboration, processes and information sharing

*Increasing industry collaboration… The complex system-of-systems required to support today's warfighter largely require the involvement of more than one organisation*

- Collaborative Design Environments (CDE) allow all elements within a project to connect to the same data, and work towards solutions even if geographically dispersed
- EDS provides a CDE for a global automotive company, with a significant footprint in Australia
  - Historically:
    - Disparate systems and software packages
    - Tasks performed sequentially
    - Little re-use of data
  - Today:
    - Integrated solutions building on existing applications with a modern architecture
    - Twice-yearly globally managed software updates
  - Benefits:
    - Fewer re-designs – re-use of existing data
    - "Needs-requirements-design-production" process cut from 5 years to 18 months
    - US$1 billion in savings



# STARDIS

## Assessing Performance & Effectiveness Of Distributed C4ISTAR Systems

*More complex engineering/system engineering environments*
*Complex, interwoven systems and systems-of-systems*

- Distributed Battlespace C4ISTAR systems rely on the timely availability and dissemination of information through an interconnection of systems and networks
- Utilising an adaptive design the STARDIS tool models the numerous architectural options for distributed information systems
- The model runs in near real time and measures information throughput, levels of performance, system resilience and quality of E2E service
- Benefits include:
  - De-risking of the design and implementation of information systems and network designs
  - Accurate forecasting of information systems performance and service delivery
  - Access to an expansive library of systems and performance criteria allowing rapid development of models
  - Operational requirements accurately captured within model designs



# ISTAR Testbed

## Experimentation Service For The UK ISTAR Community

**ISTAR** – Intelligence, Surveillance, Target Acquisition & Reconnaissance

**ISOSCELES** - ISTAR System of System Concept Evaluation and Live Experimentation Service

- Team ISOSCELES (primed by EDS) have delivered the ISTAR Test bed program since it's inception in 2003
- The service includes:
  - Deployable synthetic environment comprising representative ISTAR and C2 applications and processes
  - Mobile experimentation infrastructure
  - Consultancy expertise to plan, execute and exploit ISTAR visualisations and experiments involving serving military players, at bespoke events or as an adjunct to large or small scale exercises
- Benefits:
  - Identification of candidate system concepts and visualisation of new concept developments
  - De-risking potential solutions through validation of architectural concepts & designs
  - Experiment on interoperability issues
  - Identification of training needs
  - Enabling the evolution towards Network Enabled Capability



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It's when we do business.
It's how we do business.
ARE YOU READY FOR **NOW**?

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