

Position Title:	Systems Engineer - Software		
Department:	Engineering		
Function:	Systems Engineering		
Location:	Brisbane or Melbourne. Projects and customer related activities may require travel to Brisbane and Canberra sites.		
Security level required:	NV1 or be able to obtain NV1	ITAR designated:	Yes

Key Relationships: (Internal/ External)
Internal: <ul style="list-style-type: none"> Functional/Project Managers and Engineering Managers, Systems Engineers, Other Engineering Staff, ILS staff
External: <ul style="list-style-type: none"> Customer Project and Technical Staff, subcontractor engineering staff

The Company:	Elbit Systems of Australia Pty Ltd (ELSA) is a growing presence in the defence and law enforcement industries in Australia. A subsidiary of Elbit Systems Ltd, ELSA develops state of the art technologies and integrates them into the Australian market. ELSA's main business is Systems Integration for the Australian Defence Force (ADF), with an emerging presence in the law enforcement, intelligence and cyber markets.
Position Purpose:	<ul style="list-style-type: none"> Provides systems engineering services to Projects across the entire system engineering life cycle including conception, design, realisation, integration, verification, acceptance and support. Shapes the development of systems within a dynamic, multinational company providing cutting edge technology to the Australian Defence Forces. Under the direction/guidance of the project engineering manager, deliver systems engineering services on time, within budget and with a quality acceptable to both ELSA and the customer. The scope of engineering activities includes systems engineering, design, verification and specialty engineering.

Core Responsibilities:	Key Tasks:	Expected Results:
Systems Engineering Project Activities	<ul style="list-style-type: none"> Undertake Systems Engineering activities as part of a project (or bid) team Conduct system engineering activities in accordance with a designated systems engineering framework based on standards such as SCRUM, ANSI/EIA-632, ISO/IEC 15288 or the INCOSE Systems Engineering Handbook. The identification and quantification of system goals and capabilities. Analysing and eliciting customer needs and required functionality, documenting and managing requirements. Investigation/development of alternative system level architectures, design concepts and system deployment solutions. Undertake design analysis and trade studies. Requirement specification and traceability of systems, sub-systems and products. Interface definition and design. 	<ul style="list-style-type: none"> Delivering against commitments of time, cost and quality Production of coherent engineering artefacts embodying the applied Systems Engineering approach, which is both technically and commercially feasible. Delivering products that are safe, fit for purpose and environmentally compliant.

	<ul style="list-style-type: none"> • Hands-on software integration activities in a laboratory and field environment • Working with Software/Application intensive systems. Work to configure, operate and problem solve these systems. • Development of test procedures and verification so that the design is properly built and integrated including post-implementation assessment of how well the system meets its goals. • Application of System Safety to all engineering activities, including regulatory compliance. • Responsible for exercising individual knowledge, skills, initiative and professional judgement in order to resolve issues and problems with project scope. 	
Systems Engineering Functional Activities	<ul style="list-style-type: none"> • Contribution to the continued improvement and development of Engineering Department plans and processes 	<ul style="list-style-type: none"> • A Systems Engineering framework benefitting (both employees and customers) from continuous improvement
Work Health & Safety	<ul style="list-style-type: none"> • Take reasonable care to ensure personal safety and health at work and of other persons in the work place • Observe all safe working practices as directed by the supervisor and the use of personal protective equipment as and when provided • Report ALL accidents, incidents and hazardous situations arising in the course of work 	<ul style="list-style-type: none"> • Proactively address identified safety issues

Training & Qualifications:	
Essential	Desirable
<ul style="list-style-type: none"> • Tertiary qualification(s) in Engineering or Science degree • Systems Engineering lifecycle experience 	<ul style="list-style-type: none"> • Communications systems background
Work Experience & Industry Knowledge:	
<p>Essential:</p> <ul style="list-style-type: none"> • Systems engineering • Requirements analysis and building detailed design • Working with software, communications and system integration projects • Broad understanding of systems safety across hardware, software and system integration development • Working on Defence projects ideally • Plan and schedule development • Customer relationship management • Working in an Agile environment <p>Desirable:</p> <ul style="list-style-type: none"> • Military Land System Projects experience • Australian Defence contracting standards • Design management and design control • Knowledge of Project Management principles • Knowledge of Sub-contract management principles • Configuration management experience 	

- Range of relevant engineering disciplines
- Broad knowledge of ILS and production
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Core Behavioural Competencies & Skills:

- Team building and team communications
- Motivating others
- Planning and coordinating
- Effective written, verbal and interpersonal communication skills
- A good attention to detail and the ability to follow through with minimal supervision
- Proactive support to customers/stakeholders
- Adapting quickly to changing and volatile project requirements
- Willing to undertake domestic and international interstate travel when required