

Position Title:	Systems Engineer		
Department:	Engineering		
Function:	Systems Engineering		
Level of role:		Location:	Melbourne. Bid Projects and customer related activities may require travel to Brisbane and Canberra sites.
Security level required:	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 Bids and 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 ADF. 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. 	<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"> • 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. • Hands-on equipment 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 reports for the verification and validation (V&V) of the design to ensure the system meets the requirements. • Application of System Safety to all engineering activities, including regulatory compliance. • Application of System Security 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 equivalent 	<ul style="list-style-type: none"> • N/A
Work Experience & Industry Knowledge:	
Essential	
<ul style="list-style-type: none"> • Up to 3 years' experience in systems engineering in a commercial environment or 5+ years' experience in any relevant engineering discipline in a commercial, business or defence environment • Systems Development Life Cycle (SDLC) experience • Broad understanding of systems safety and security • Working in an Agile environment • Requirements analysis • Conducting detailed design • Developing and conducting V&V activities • Working with software, communications and system integration projects 	
Desirable	
<ul style="list-style-type: none"> • Military engineering experience • Design management and design control • Broad knowledge of ILS and production 	

Core Behavioural Competencies & Skills:
<ul style="list-style-type: none"> • 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 travel when required