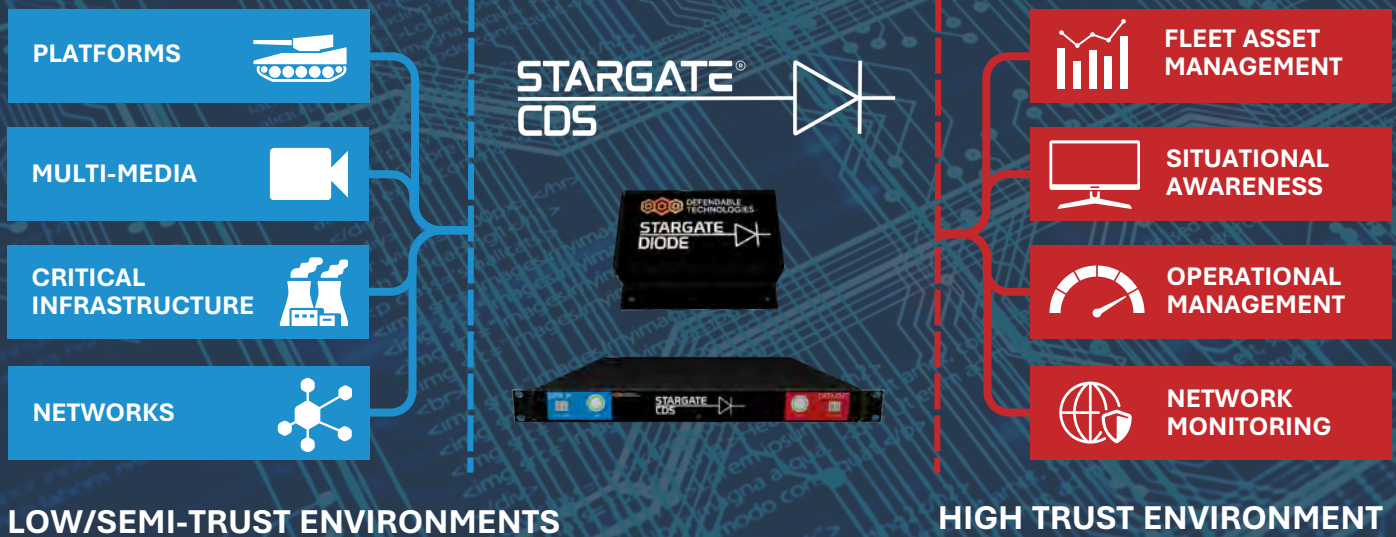# ABOUT US

Defendable Technologies is an Australian owned and operated technology company, founded by Defence Veterans, headquartered in South-East Queensland. We support clients in high-risk industries that need to solve complex challenges via innovative solutions. Key industries and sectors that we operate across are: Government (Defence and National Security), Critical Infrastructure, Resources (Mining), and Energy.

With a team of security cleared, technology experts, including: Systems Engineers, Network Integrators, Communications Technicians, Software Developers, Test and Evaluation personnel, and Project Delivery Leads, Defendable Technologies is ideally postured to be your partner of choice for solving complex, technical challenges.

Stargate® Cross Domain Solution (CDS)

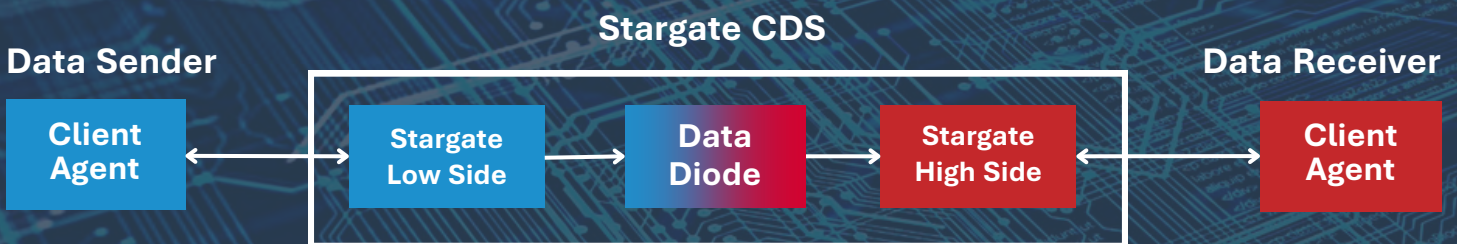| LOW/SEMI-TRUST ENVIRONMENTS	HIGH TRUST ENVIRONMENT
PLATFORMS	FLEET ASSET MANAGEMENT
MULTI-MEDIA	SITUATIONAL AWARENESS
CRITICAL INFRASTRUCTURE	OPERATIONAL MANAGEMENT
NETWORKS	NETWORK MONITORING

The Stargate® CDS is designed to protect sensitive customer information, critical network data, and isolate external sensors from an enterprises' core systems, whilst simultaneously enabling data to flow across low and high trust environments to support required operational functions. Improving on the traditional methods of network segmentation that have proven vulnerable to cyber-attack, the Stargate® CDS is a comprehensive integrated solution that securely passes and synchronises information between separate, isolated information domains using best practice Secure by Design patterns.
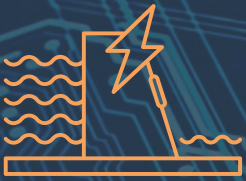
HOW IT WORKS

Stargate uses a patented concept of 'application synchronisation' combined with a unidirectional data link, to pass information from low/untrusted sources to a trusted domain. The users on the High Side (trusted) have full confidence in the veracity of data provided, and; assurance that no capacity exists for external access across the diode into the enterprise network (denying ransomware attacks) or for High Side data to be unlawfully compromised and accessed (ensuring data protection).

Stargate CDS

Data Sender → Client Agent → Stargate Low Side → Data Diode → Stargate High Side → Client Agent → **Data Receiver**

USE CASES

Critical Infrastructure

Protecting critical infrastructure is paramount to national security and economic stability. Recent cyberattacks have demonstrated the susceptibility of current network architectures to increasingly sophisticated and persistent threats. The Stargate® CDS offers a robust solution to enhance network segmentation and safeguard critical infrastructure by enabling secure, one-way data flow between Operational Technology (OT) deployed on critical infrastructure sites and backend corporate networks.

Smart Places

Smart places are designed to provide enhanced services to society using a collection of smart technologies to capture, communicate and analyse data. However, this interconnected ecosystem presents unique security challenges, particularly in light of the diverse origins of IoT devices, sensors, and cloud computing services. The Stargate® CDS enables the seamless integration of these technologies while providing robust protection to connected corporate networks.

Digital Twin

The increasing frequency of ransomware attacks has made it crucial for organisations of all sizes to implement robust data protection measures. One effective strategy is to maintain a secure and isolated copy of critical information, enabling seamless restoration of services in the event of a ransomware attack. The Stargate® CDS offers a reliable solution for creating and maintaining a synchronised Digital Twin that is immune to attacks originating from the compromised network.