

## Company Overview

Vardyn Systems is an Australian, veteran-owned engineering analytics company that builds practical decision-support tools for teams working with complex, asset-heavy systems. We focus on helping organisations make better-informed decisions around spares, availability, and sustainment without unnecessary complexity.

Our tools are designed to be used by engineers and sustainment teams in day-to-day work. They make it easier to test assumptions, explore trade-offs, and identify availability risks using clear, transparent logic. Our flagship platform, THORIS, brings together spares demand, criticality, and lead-time effects into a single, easy-to-use analytical workflow.

## Capabilities

- ❖ Spares optimisation and demand forecasting tools
- ❖ Availability modelling and bottleneck identification tools
- ❖ Risk-based decision-support analytics
- ❖ Asset hierarchy and criticality analysis toolsets
- ❖ Analytical support tools for RCM, FMECA, and LORA activities
- ❖ Sustainment and life-cycle trade study modelling tools

## Discriminators

- ❖ Tools designed for engineers, planners, and decision-makers not specialist analysts
- ❖ Minimal training required; intuitive workflows usable out of the box
- ❖ Smart, algorithm-driven analysis that automates complex decision logic
- ❖ Transparent assumptions and traceable results (no “black box” optimisation)
- ❖ Rapid scenario analysis without rigid process or governance overhead
- ❖ No vendor lock-in or proprietary data ownership constraints
- ❖ Australian owned and operated
- ❖ Veteran owned

## Markets & Customers

- ❖ Defence and government organisations
- ❖ Prime contractors and OEMs
- ❖ Engineering consultancies and advisory firms
- ❖ Labour-hire and engineering services providers
- ❖ Critical infrastructure operators and utilities
- ❖ Mining and heavy industrial organisations