

## Q. Are you Struggling with Spares? A. Tempo – The Next Generation of Inventory Optimization Tool

### Do you struggle with?

- Fleet build-up and run-down
- Obsolescence and technology refresh
- Reliability improvement impact on spares solutions
- How to spare aging systems
- Long lead-time versus short lead-time buys
- PBL incentive schemes with complex metrics
- Other future program changes such as Ao targets, operating hours and basing



# STOP struggling! Tempo solves these problems quickly, easily, automatically

Current spares optimization methods worked reasonably well before the extensive use of COTS components in the 1990s when market-driven technological obsolescence started to become a common headache for inventory managers and planners.

**Tempo** is the first optimization tool to deal directly and correctly with part obsolescence and a host of related problems – automatically.



A *Tempo*-optimized solution is superior to those provided by steady-state tools because it:

- Explicitly handles inevitable changing scenarios
- Avoids the errors implicit in steady-state models including over-stocking of life-limited and long-lead time parts
- Maximize return on investment and avoids waste due to market-driven obsolescence
- Optimizes timing of procurement to match fleet build-up, re-basing and run-down for lowest Life Cycle Inventory Cost

 Deals explicitly with time, eliminating the drudgery of hand-made multi-period calculations

#### **Tempo** is ideal for:

- Budget trade-offs between expensive, long-lead time parts that will be critical at some stage and inexpensive short lead time items that might provide immediate performance. *Tempo* determines the proper mix by comparing the cost and return corrected to Net Present Value.
- Complex, multi-period Performance Based Logistics environments with multiple metrics and KPIs.
   Tempo can optimize in a complex mix of metrics by comparing the incentive reward against the cost.
- Obsolescence and Aging Systems where technology insertion, mid-life upgrades and late-life spares requirements are inevitable. *Tempo* recognizes the differences between the useful life of a part and that of the system in which it is fitted and calculates their respective value.
- Simultaneous new-fleet build-up and old-fleet retirement scenarios, characterized by changing operational availability (Ao) targets, operating tempos and basing. *Tempo* simplifies inputs and provides all solutions in a single run.
- Expeditionary deployments, training exercises and other time-bound excursions requiring spares solutions integrated with long-term, normal deployment solutions.

### STILL struggling?

