Q. Are you Struggling with Spares?
A. Tempo – The Next Generation of Inventory Optimisation 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 optimisation 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 optimisation tool to deal directly and correctly with part obsolescence and a host of related problems – automatically.

A ***Tempo***-optimised 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
- Maximises return on investment and avoids waste due to market-driven obsolescence
- Optimises 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 optimise 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*** recognises 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, characterised 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?