



Reliability Centred Spares (RCS)

➤ Reliability Centred Spares (RCS)

Reliability Centred Spares helps engineers and stock analysts decide the right stocking policy for spare parts. It is targeted specifically at decisions involving high cost, slowmoving spare parts where the decision is often whether to stock zero, or one or more parts. RCS helps engineers and stock analysts achieve the requirements of production and maintenance at minimum cost.

Too often, initial stock decisions are based on manufacturers' recommendations and on engineering judgement. Inevitably the inventory compiled is not optimal: parts are held that are never used. In typical engineering stores, the value of "nonmovers" can be more than 30% of the total parts held. Of course there is a strong temptation simply to eliminate those parts which have not been used for one or two years, without considering the possible consequences for the organisation.

The objective of RCS is to buy stock that is essential for plant operation, and to reduce or eliminate completely stock that is unnecessary or can be more effectively held by a vendor or other third party.

➤ Why RCS?

Robust Decisions

RCS not only recommends the right stock holding for your organisation, but it also allows you to see the effect of uncertainties in product price, part costs and lead times. You can be confident that the decisions you make with the RCS methodology are robust and auditable.

The Right Choice With RCM

Unlike other software products, RCS is based on Reliability Centred Maintenance (RCM), the method of choice for setting equipment maintenance policies. Because RCS takes into account both commercial and maintenance requirements, you can be certain that your spares holdings are right for your organisation.

Third Party Options

Analyse vendor stocking options, including up front and recurring costs, and decide which options are more worthwhile than holding stocks at your own site.

RCS puts you in the driving seat for contract negotiations and enables you to see the real benefit of a third party proposal.

➤ Applications

Typical applications include:

- Spares for new equipment
- Disposal of excess inventory
- Evaluation of third party contracts
- Quantifying downtime risk

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➤ Implementing RCS

A typical RCS implementation includes:

- Training for inventory, operations and maintenance staff
- A pilot project in a selected area to demonstrate the benefits that can be achieved
- Use of the RCS Toolkit software to optimise the organisation's spare parts inventory

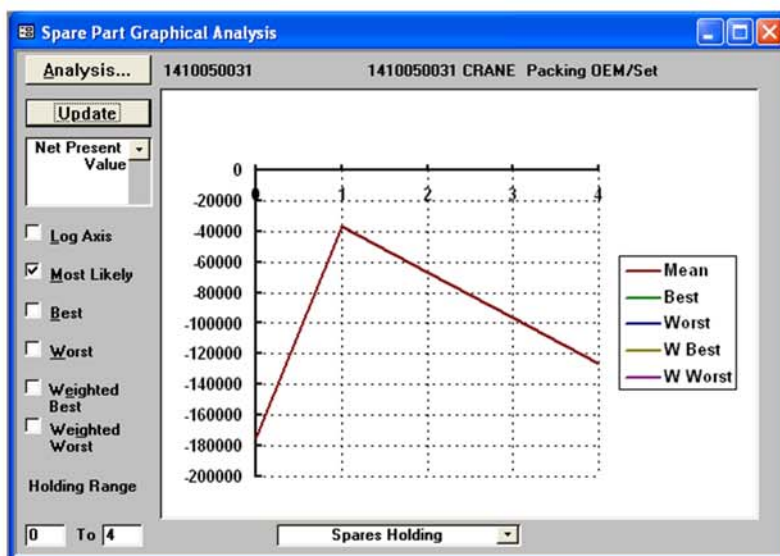
➤ RCS Benefits

The benefits of applying RCS are:

- Elimination of unnecessary inventory
- Improved confidence and elimination of "squirrel" stores
- More effective relationships with suppliers
- Reduced exposure to the risk of extended downtime through lack of stock
- Better communication between operations, maintenance and inventory personnel

RCS is an integral part of Asset Dynamics Asia's portfolio of asset management consulting services.

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RCS software screen shot

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