

Do you have lots of projects, ideas and change requests, all competing for resources and a limited budget?



Screening of 400 project proposals in just 3 weeks saved **\$2.5 Million** compared to traditional NPV evaluations

It is more critical than ever to make the right decisions when considering how to invest and which projects are most worthwhile. Yet projects and opportunities vary widely, in type, in objectives, in cost, in associated risk and in the quality of data or uncertainty in assumptions. APT-PROJECT is a screening tool that enables you to evaluate and demonstrate the value-for-money and quantified risks for any type of project or proposal. It generates a ranked listing of competing options, with a clear audit trail to demonstrate the true cost/benefit/risk merits of each, along with the economic 'premium paid for compliance' or 'premium paid for intangibles' if there are any mandatory obligations or reputational/non-economic motives involved.

Energy saving projects can be compared with reliability improvement projects; procedure changes ranked alongside plant modifications; acquisition of safety equipment against new environmental obligations, all ranked by consistent value-for-money criteria.

APT-PROJECT

- Demonstrates (rapidly) which projects and proposals are not worthwhile, *and why*.
- Compares and prioritises dissimilar competing projects or investment options.
- Uses range estimates, 'tacit knowledge' and engineering expertise to the full.
- Includes extensive, configurable reliability and risk data, cost rates and other aids to consistent assumptions.
- Reveals what extra data is worth collecting, if any, to resolve unclear decisions.
- Calculates the economic 'premium paid' for safety, legal compliance, public image and other intangibles.
- Creates an audit trail for assumptions and uncertainties about anticipated benefits and risks at the time of decision-making.

Proven track record

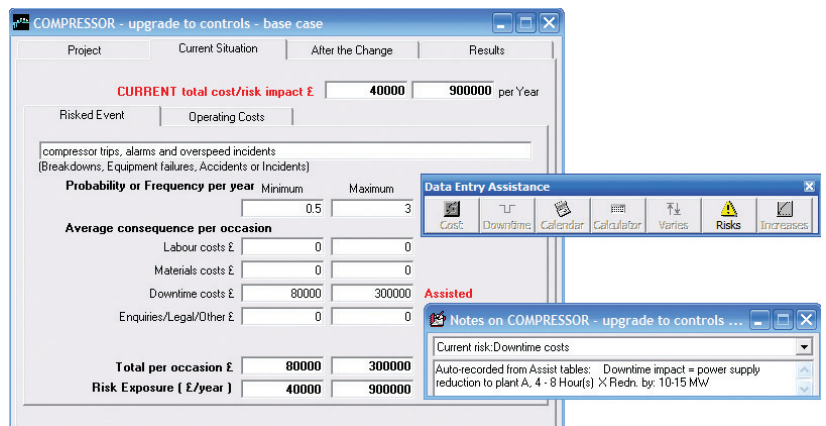
Developed by a multi-industry collaboration of major organisations, backed by the UK and European Governments, APT-PROJECT is a field-proven method that works in a wide variety of industries, countries and cultures. It has been used to evaluate projects in the North Sea oil industry, prioritise equipment renewal programmes in metro railways, screen innovation ideas in manufacturing plants and rank capital investment priorities for electrical and water utility networks.

APT-PROJECT can evaluate projects of any size or type, to avoid wasted investigation, data collection and expenditure. It will help you to get control of those 'small and many' projects, and pre-filter the big ones: so more customised, detailed analysis is only done when it is really worthwhile.

The decision-support tool for evaluating different projects

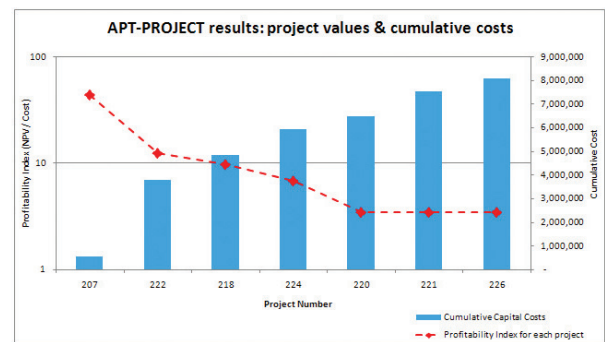
APT-PROJECT

- Guides you through the range-estimating of costs, risks and benefits for any project.
- Calculates the value-for-money of each option, including sensitivity to the uncertain data.
- Can be configured to use any company-specific business drivers, terminology, reference data and evaluation criteria (e.g. risk data, unit cost rates, downtime impact and penalty costs).
- Provides results in terms of Discounted Pay-back, Net Present Value, Internal Rate of Return or Profitability Index.
- Calculates the 'premium paid' for safety, compliance or intangibles, enabling prioritisation of mandatory projects, or safety/intangible objectives among the business oriented alternatives.



APT-PROJECT delivers

- Increased consistency and comparability between dissimilar projects and options.
- Technical staff able to present proposals in business language.
- Quantified capture of expert knowledge and better auditability of basis for decisions.
- Avoidance of unnecessary data collection or analysis: clear, rapid filtering of weak cases.
- Comparative ranking and prioritisation views of where to best spend your limited budget (including best interweaving of mandatory projects and those with 'intangible' benefits).



APT-PROJECT is part of an integrated ASSET PERFORMANCE TOOLKIT

APT-MAINTENANCE

Cost/risk evaluation of planned maintenance, optimal intervals, preventive, predictive or reactive strategies.

APT-INSPECTION

Optimum inspection, condition monitoring and testing strategies, optimal condition reaction points, alternative monitoring methods.

APT-SCHEDULE

Shutdown strategies and intervals, optimum task grouping and timing, shutdown opportunity evaluations and resource or work planning constraints.

APT-LIFESPAN

Asset replacement decisions, repair-versus-replace options, life extension refurbishments, asset acquisitions and alternative designs based on life cycle costs.

APT-STOCK

Consumables and materials purchasing strategies, min/max stock, re-order quantities, supply options, storage requirements.

APT-SPARES

Strategic and slow-moving spares strategies, optimum spares levels, 'pooling' options, alternative suppliers.