

Asset Management Education & Training

Course ref	AM05
Course title	Risk-based Capex & Opex Decisions
Duration	4 days
Class Size	16
Overview	The course is tailored to firstly give students (maintenance managers and engineers, maintenance supervisors, spares managers etc), a grounding in the principles of asset management and then learn about, use and apply risk-based decision support tools to enable the right level of maintenance to be done, and the risks fully understood and quantified.
Objective	At the end of the course students will have an overview of asset management, know how to assess criticality, understand what decision support tools to use in what circumstances, and be able to apply these tools to their own work environment to improve activity planning, maintenance, spares, projects and shutdowns.
Content	<p>Asset management concepts and awareness</p> <ul style="list-style-type: none">• British Standards Institution's PAS 55• Asset management decision making <p>Asset management key processes</p> <ul style="list-style-type: none">• Asset management decision making• Asset investment and life cycle costing• Criticality analysis <p>Problem-solving and continuous improvement</p> <ul style="list-style-type: none">• Reliability centred maintenance• APT/MACRO risk-based decisions• Cost/risk optimisation <p>Risk and reliability</p> <ul style="list-style-type: none">• Nature of risk• Risk and reliability management• Structured 'what if' questioning techniques• Failure mode and effect analysis• Root cause analysis• Risk control techniques• Cost/risk evaluation of inspection decisions• Cost/risk evaluation of spares <p>Economic and business skills</p> <ul style="list-style-type: none">• Business skills for engineers
Benefit	Students will be able to apply and gain benefits immediately in the use of modern risk-based decision support tools and techniques.



If you require more information:

Phone: + 44 (0)1635 298800

Email: enquiries@twpl.com

www.twpl.com

Audience	This course is applicable to middle/asset management.
Pre-requisites	Although no pre-qualification is required, a degree-level or HND qualification is recommended
Cross references	See TWPL course AM01, AM03 and AM19.