

Asset Management Education & Training

Course ref	AM24
Course title	Optimisation of Shutdown Strategies & Work Package Bundling
Duration	3 days
Class Size	16
Overview	Planned shutdowns usually result in considerable amount of lost production and lost sales as a result. This training course enables the understanding and modelling of cost/risk optimisation of shutdown intervals, and the choice of maintenance work to cluster or bundle into various shutdown alternatives.
Objective	To optimise and reduce the total cost of planned outages to be programmed over a period of years, while maintaining and improving unplanned plant availability.
Content	<p>Shutdown optimisation</p> <ul style="list-style-type: none">• The concept of shutdowns• The advantages and disadvantages of shutdowns• The technology of shutdown optimisation• What is shutdown optimisation? <p>The potential for cost savings</p> <ul style="list-style-type: none">• Shared overheads• Shared downtime <p>Modelling of work package bundling for shutdown optimisation</p> <ul style="list-style-type: none">• Critical paths and sequential or parallel working• Sequential work selection and groupings• Present value evaluation of shutdown alternatives• Cost and risk optimal work bundling and sensitivity testing of alternatives• Modelling and optimisation of non-critical assets bundling decisions• Modelling and optimisation of critical assets bundling decisions
Benefit	The reduction of unproductive planned lost time. The bundling of maintenance work into optimally timed shutdowns. The cost/risk optimisation comparison of various alternatives of work packaging for shutdowns. Options and alternatives of mini and major shutdowns.
Audience	Asset Managers, Production and Industrial Engineers, Maintenance and Operations Managers, Reliability Engineers and facilitators of continuous improvement programmes
Pre-requisites	Understanding of cost risk assessment and optimisation of maintenance, inspection, projects and whole life costing decisions
Cross references	See TWPL courses AM15, AM16, AM22, AM23, AM25 and AM26



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