



**Problem-free industrial, production, manufacturing and operating assets.
 Build a holistic, life cycle system that gets you world class productivity.**

Lifecycle Asset Management the Plant Wellness Way: How to get big profits from ISO 55000 / ISO 55001 Asset Management

Email us to register for the next course in your city

(Save money and run the course in-house if you have 5 or more people.)

Add powerful lifecycle asset management excellence into your business systems so you create world class reliability and get protection against operations downtime losses and wastes with the least maintenance costs

Packed with insights and powerful techniques that you use every day, this 3-day enterprise asset management the Plant Wellness Way training course teaches you the best life cycle asset management strategy that lets you build the right life cycle asset management system so your operation makes products better, faster, safer, with higher quality and for less cost.

With this EAM training you learn the vital lifecycle asset management processes that you use with the ISO 55000 / ISO 55001 asset management standard framework to guarantee world-class asset maintenance performance and equipment reliability. You learn powerful, leading-edge business process design methods to make your equipment failure-free, get zero breakdowns, produce at maximum sustainable capacity with first-pass quality throughput, and make your operation highly profitable.

Discover how to focus your maintenance methods and practices on defect removal and failure elimination in every phase of your plant and equipment life-cycle. You'll come out of this asset management training knowing how to intentionally make your business processes and production equipment outstandingly reliable in ways that turn organisations into world-class operations.

Businesses wanting to improve asset management and maintenance management performance can immediately adopt a best-practice, coherent and complete business-wide discipline to recover most value from their facilities, equipment and infrastructure. The Plant Wellness Way

MORE TRAINING

Maintenance Management Mastery the Plant Wellness Way

Maintenance Planning and Scheduling for Reliability

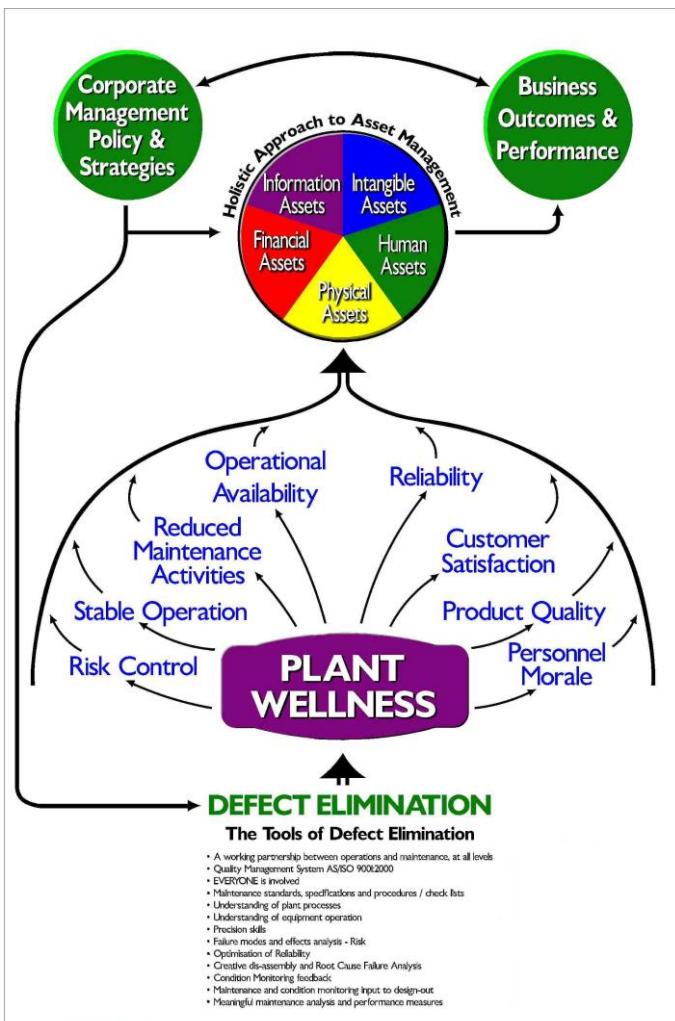
World Class Machinery and Rotating Equipment Reliability

Applied Reliability Engineering for Operating Plant Improvement

Operational Excellence the Plant Wellness Way

SEE WEBSITE FOR DETAILS AND PRICING

www.lifetime-reliability.com





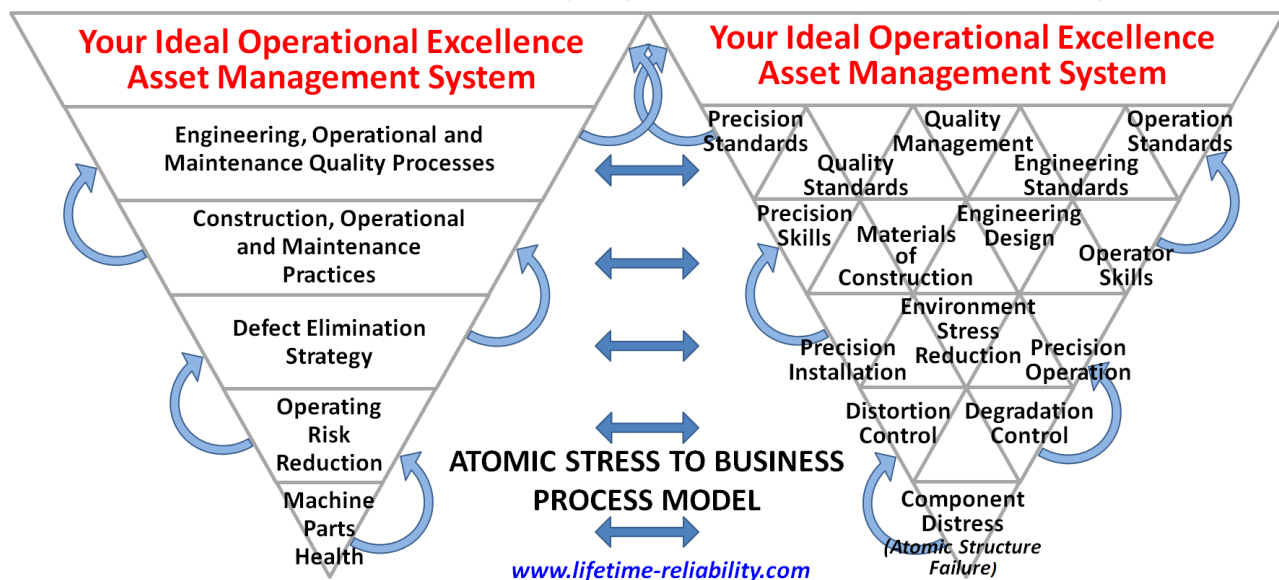
methodology is a perfect fit with the requirements of the ISO 55000 / ISO 55001 asset management standard. Attend this Life Cycle Enterprise Asset Management training course to discover how to insure you build the right lifecycle asset management processes and best reliability practices that keep your operating costs low and the productivity high from your production and operating assets. See how to:

- make plant and equipment run consistently at highest availability
- **produce at full capacity with 100% first-pass-quality**
- make the most operating profit and be sure you get it
- **reduce production costs and wastes**
- get utmost throughput from existing plant
- **make higher productivity inevitable**
- bring world class reliability without new capital

This is an asset management course where you learn what to clearly focus on when you apply the ISO 55000 / ISO 55001 asset management standard in your business. You'll know which activities and practises really create a world class enterprise asset management system that drives world class production plant and equipment performance. You discover how to intentionally make your business processes and production equipment more and more reliable and turn your organisation into a world-class industrial operation most quickly.

Guarantee You Get Low Operating Costs and High Equipment Uptime

The Plant and Equipment Wellness Way



Successful use of the ISO55000 / ISO 55001 Enterprise Asset Management standard requires a life cycle long, business-wide discipline full of powerful life cycle asset management methods that focus your efforts on doing what is important to bring high productivity and lasting performance improvements to your operation—you need to create plant and equipment wellness in your operation. In this course you learn the Plant and Equipment Wellness Way to success in life cycle enterprise asset management. You discover the few critically valuable processes and practices you need to have in-place for best production equipment uptime and high operating profit when using physical assets. You get deep insights to new and better reliability improvement methods and a sound appreciation of where to focus your business' efforts for maximum asset productivity and high operating profits month after month.



- **Discover processes and systems to solve Enterprise Asset Management, reliability and maintenance problems.**
- Understand why your business processes (projects, engineering, operations, finance, and quality) need to interact correctly to get lasting low operating costs and high plant availability, and learn how that is done.
- **See and use the novel, innovative and even revolutionary concepts needed to be a world-class operation.**
- Learn the fundamental practices and understandings vital for successful enterprise asset management.
- **See how to achieve your business plans and profits by combining the ISO 55001 framework with the systems and processes of Plant and Equipment Wellness.**
- Manage your plant and equipment life cycle from concept through to decommissioning so you and your people make the great decisions that bring business success.
- **Learn to integrate design, operations, maintenance, and finance for maximum business risk management**

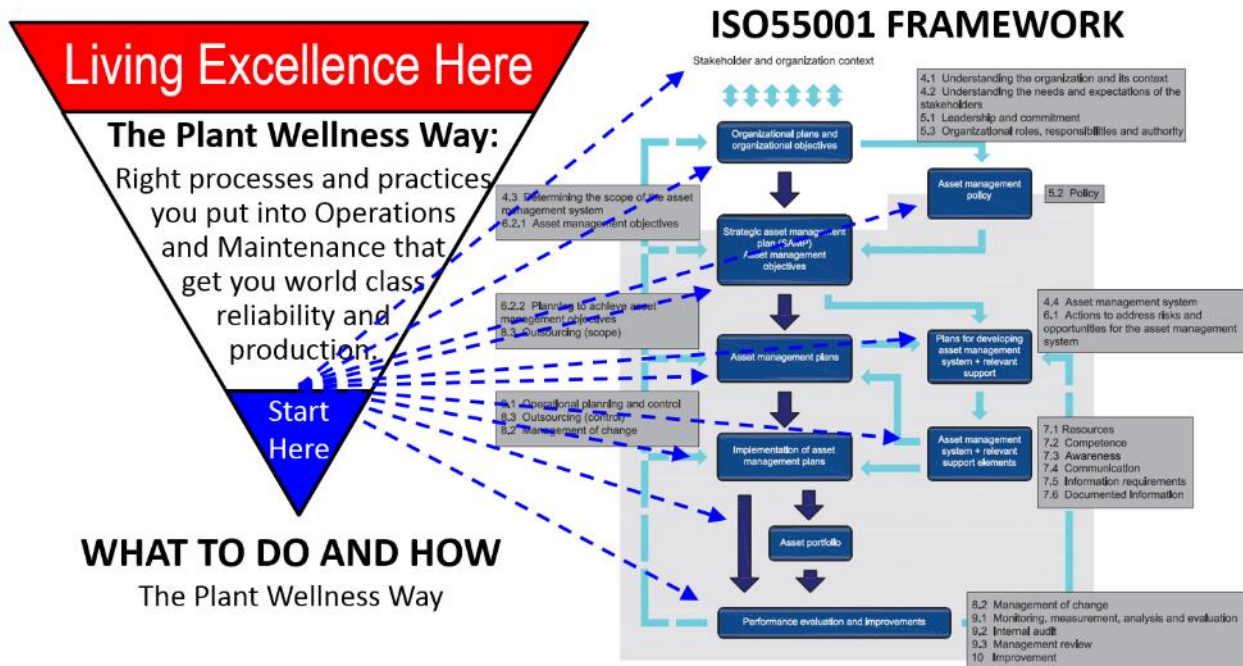


- Why operational excellence needs a quality focus if you want to get 100% right-first-time performance.

With the Plant and Equipment Wellness asset management systems, methods and practices of you learn how to get:

- an operation designed for outstanding success
- 100%-dependable full production,
- in-full-on-time delivery,
- first-pass quality product every time,
- sustained maximum throughput,
- no penalty claims,
- zero breakdowns,
- non-stop highest plant availability,
- dramatically extended time between failures,
- extra production from your ‘hidden factory’.

Designing a ISO 55001 Asset Management System with Plant Wellness Methodology



WHAT TO DO AND HOW
 The Plant Wellness Way



This world class enterprise asset management course teaches you new, right solutions to the life-cycle issues affecting your operating plant and equipment performance. You discover simple, certain methods that produce the highest pay-offs from industrial and manufacturing plant and equipment. You find successful ways to involve and motivate your workforce to minimize your operating risks and maintenance problems, while consistently producing maximum throughput. You learn how to truly make your plant and equipment assets reliable.

Attend 3-days of asset management training where you discover the specific methods that really make the difference in getting highly productive production plant. Learn how to use the simplest reliability solutions to improve your operational performance. Get the right information and methods to improve your business processes and operating and maintenance practices, so world-class performance becomes natural, normal and inevitable for you. A Plant Wellness Way driven operation is designed and run to get least cost production that delivers the biggest operating profit margins. It does not matter the industrial, production or manufacturing business you are in.

The Asset Management training you use to build best processes and disciplines for world-class equipment performance in your operation

The training content coverage in the ‘Lifecycle Enterprise Asset Management the Plant and Equipment Wellness Way’ course is comprehensive and includes the work processes and the business systems needed to coordinate and achieve maximum production plant performance. Learn how to institute the few vital practices and processes to get maximum life-cycle profits from your operating plant and equipment. Be guided in your workplace with new understandings of the right concepts to use—from their fundamental implications through to their masterful implementation.



During the course you are given details on the methods that actually work to deliver excellent plant and equipment performance. You find out how to deliver lower production costs and higher profit margins by:

- **controlling the inherent variability in both business and operating processes to within designated limits,**
- managing risk by reducing the likelihood of adverse incidents, along with minimising their consequences,
- **using failure preventing quality standards throughout your plant and equipment lifetime, including capital equipment acquisition and installation,**
- stopping human error by ensuring the accuracy and precision of human activity and intervention,
- **minimising total life cycle costs with proactive spread sheet modelling of what robs your operating profit.**

Covering key elements of systems engineering, reliability engineering, maintenance management, operational management, risk management, industrial engineering and guided by sound financial management practices, the course provides a full coverage of the important factors that create asset management success. The training addresses the three areas to focus on that surely improve production plant and equipment performance.



1) Quickly create World Class Equipment Reliability:

Learn the fundamentals and understandings of what drives machine reliability. You learn the critical concepts that get the most out of your operating plant's performance. Important issues, such as maximising series process reliability, reducing operating risk with chance reduction strategies and not only focusing on consequence reduction strategies, grasping the implications of the 'physics of failure' when considering parts replacement and equipment purchases, and when to proactively apply reliability engineering on your equipment.

2) Use Failure-Free, Operating Profit Making Maintenance Strategy:

Gain knowledge on the quality standards, component risk strategies and right methods to use to sustain high reliability of your operating equipment. You will learn how to develop a one-page operational risk management model for your business. You learn how to build holistic maintenance plans containing the fewest actions, the simplest equipment monitoring and the most powerful continual improvement strategies to create the safe, sure, high reliability, low maintenance costs and full production you want. *(This holistic plan is perhaps the most important document that you can create in the life of an operation.)*

3) Guarantee World Class Enterprise Asset Life-Cycle Management:

Discover core factors critical to successfully build and run operations for high reliability and availability. Including the best way to maximise life cycle profits, identifying and using the systems and practices that produce most benefit for your operation, and powerful ways to involve and motivate your workforce to produce great results. You see how to combine the best reliability and maintenance knowledge into a lifetime strategy for your plant and equipment that moves your business toward top-class performance and keeps it there. You learn how the Plant Wellness Way turns companies around to become places of operational excellence.

In the Plant Wellness Way asset management course you learn exactly how to ensure that your machines last longer, that production quality is maintained and that delivery schedules are surely met. The best asset management and maintenance processes prevent failure by designing their business systems and business processes to produce the right outcomes. You will discover and learn to use the right principles and the proper practices of successful asset maintenance systems. Whether you use ISO 55001 or not in future, you will know what to do to imbed Plant Wellness best practice life cycle asset and maintenance management processes into your organisation so you get world class asset management results.

Contents of the Plant Wellness Enterprise Asset Management Course

The world class asset management process designing you learn in the course prevent failure by using systematic inspection, detection, and correction of embryonic failures before they become problems. You discover and learn how to use the right principles and the best practices for successful asset management, reliability and maintenance management systems when you attend this Plant Wellness Way EAM training course.

Lifetime **R**eliability **S**olutions
...your edge in RELIABILITY



Day 1 – Foundations of World Class Reliability	Day 2 – IONICS for Asset Management System Design	Day 3 – Reliability Creation the Plant Wellness Way
<p>Physics of Failure</p> <ul style="list-style-type: none"> • Don't put your Components in distress • Only two ways your machines fail: Deformation or Degradation • Understand Physics of Failure (PoF) if you want world class reliability 	<p>Operating Risk Identification</p> <ul style="list-style-type: none"> • Every process improvement starts with Process Mapping • Defect Identification is easy when you can see them • Downtime Costing reveals your business-wide failure cost surge • Application in ISO 55001 	<p>Optimising Process Success</p> <ul style="list-style-type: none"> • Show Your Cost and Performance Distribution Curves to Spot Problems • How to Use the Taguchi Loss/Cost Function to its maximum benefit • Move Your Performance to the Optimal Profit Point • Application in ISO 55001
<p>Reliability</p> <ul style="list-style-type: none"> • Right and wrong Reliability definitions • Modelling reliability to learn why your plant fails • How process variation causes risk that leads to failure 	<p>Operating Risk Selection</p> <ul style="list-style-type: none"> • Risk Rating lets you see how much money you will lose upon failure • Know your Risk Response Rating so you can justify risk prevention • Measuring your real Equipment Criticality is a must • Application in ISO 55001 	<p>Business Risk Reduction</p> <ul style="list-style-type: none"> • Design Operational Excellence into your Operating Processes • Select the most useful Quality Controls to put in your procedures • Document the Correct Ways so you teach the 'one best way' to work
<p>Risk</p> <ul style="list-style-type: none"> • The True Risk Equation you need to know • Risk Modelling is vital to uncover your failure causes • Operating Risk Reduction is easy when you know what to change 	<p>Risk Control Planning</p> <ul style="list-style-type: none"> • Your Risk Strategy Selection needs to match operating risks • Risk Cost Calculator lets you map your risk options • Confirming Risk Reduction is vital so you know you will make money • Application in ISO 55001 	<p>Stress to Process Model</p> <ul style="list-style-type: none"> • Have you got a Machine Health Creation Process? • Have you put Supporting Business Processes throughout your operation? • Immediately start Introducing the Right methods and practices • Application in ISO 55001
<p>Cost of Failure</p> <ul style="list-style-type: none"> • You need to know your Defect and Failure Total Costs • When to use Reactive Breakdown strategy and when not • Why proactive Reliability takes you to world class operating profits 	<p>Risk Control Introduction</p> <ul style="list-style-type: none"> • Keep improving your Process Design until it is in-control and capable • Work Quality Assurance needs quality to be built into the source • Which Organisational Structure brings the greatest reliability and success? • Application in ISO 55001 	<p>Life Cycle Risk Reduction</p> <ul style="list-style-type: none"> • Make the Key Life Cycle Decisions that bring sure reliability and profits • During design and engineering be sure to Totally Optimise your Risk • See how to use a risk matrix to Gauge your Likely Profit Improvement • Application in ISO 55001
<p>Series Arrangements</p> <ul style="list-style-type: none"> • Learn to see the Series Arrangements that dominate business process design • Use Parallel Arrangements for reliability improvement • 3 inherent properties of Series Systems you must know and use 	<p>Operating Risk Monitoring</p> <ul style="list-style-type: none"> • Use lagging and leading Operation Performance Measures that are truthful • Selecting KPIs that are really useful for improving your processes • Why you need to view Your Process Stability in real time • Application in ISO 55001 	<p>Operational Risk Reduction</p> <ul style="list-style-type: none"> • Using Failure Factors Analysis to remove the causes of your failures • A simple way to make great Risk Reduction Strategy Selection • Start doing Profit Centred, Economic Maintenance Selection • Application in ISO 55001
<p>Human Error</p> <ul style="list-style-type: none"> • Human Error is inevitable, but failure from human error is not • 12 Human Factors to control if you want operational excellence • Preventing Human Error 	<p>Risk Continual Elimination</p> <ul style="list-style-type: none"> • Build a Failure Prevention Cycle into your operating practises • Root Cause Analysis is useful, but often not successful • Why Precision Maintenance is a vital part of your future reliability success • Application in ISO 55001 	<p>Machinery Risk Reduction</p> <ul style="list-style-type: none"> • Reliability Growth Cause Analysis (RGCA) brings world class reliability and profits to your company • Know how to Set the right Reliability Maintenance Standards • Application in ISO 55001
<p>Life Cycle</p> <ul style="list-style-type: none"> • Maximising ROI is part of the engineering design of your plant • Operating Profit Optimisation is a project deliverable • How to design your business for Least Operating Costs 		<p>Making Changes</p> <ul style="list-style-type: none"> • What Change Management is necessary for fast process change? • How to map your Improvement Journey using line-of-sight goals • Getting People to Work Together is the only way that you will be successful • Application in ISO 55001
<p>Reliability Improvement</p> <ul style="list-style-type: none"> • Component Reliability needs a System-of-Reliability • Standardisation brings stability • Systemisation permits optimisation 		<p style="text-align: center;">Lifetime Reliability Solutions <i>...your edge in RELIABILITY</i></p>



About Your Training Course Presenter



Mike Sondalini B Eng (Hons), MBA, CP Eng.: The seminar presenter, Mike Sondalini, uses his extensive, practical industrial asset management expertise and business experience to take attendees through a carefully structured coverage during which they learn the key knowledge, understandings and skills that deliver practical and valuable contributions to improve asset productivity, reduce maintenance costs and maximise production performance and quality. In engineering and maintenance since 1974, Mike's career extends across original equipment manufacturing, beverage production, steel fabrication, industrial chemical manufacturing, quality management, project



management, industrial asset management and industrial training. He uses his years of experience as a maintenance manager in business to focus on the critical success factors of what to do, and how to do it quickly and well. He shows you how you and your people can make wise asset management decisions, effectively use your resources, work expertly in the least time necessary, and continually improve your operation's productivity, efficiency and effectiveness. His book 'Plant and Equipment Wellness' is published by Engineers Media, a subsidiary of Engineers Australia

Those **EARLY BIRDS** who register secure their seats and save 20%

For **EARLY BIRDS** who book and pay a month in advance, the 3-day lifecycle asset management excellence the Plant Wellness Way course costs \$2,400 plus GST. The standard price is \$3,000 plus GST and payment must be received before the course start date. Included in the price are softcopy of the presentation slides and course notes, arrival tea/coffee, morning and afternoon tea/coffee with finger food and a light lunch. **YOU MUST BRING YOUR OWN LAPTOP OR PAD** to view the slides, as there is no printed course book handed out during the training.

Call now to get a place and then make your payment in time to get a seat. It is best to register immediately for the course if you want to be sure of a seat. Seating is limited and is allocated on a first-come-first-served basis. Complete your registration form then choose your payment option and scan the registration form into an email to info@lifetime-reliability.com. Book yourself and your key people into the course now. You can contact us on mobile 0402 731 563 to confirm places are still available.

You get Full Protection of a 100% Money Back Guarantee

All Attendees are afforded maximum protection at our seminars, courses and workshops by a 100% Money Back Guarantee. If, for whatever reason, you believe your expectations have not been met, your attendance fees will be totally refunded in full. As further compensation you are also allowed to keep all materials handed out during the presentation. (Guarantee is subject to booking fee being received in full by the due date.)

More Course Information Details You Need to Know

Confirmation of your registration goes by email to the address on the registration form and includes all venue details. On the first-day venue doors open from 8.00am with the course starting at 8.30am and finishing at 4.30pm each day. Included in the price are soft copy of course notes, arrival tea/coffee, morning and afternoon tea/coffee with finger food and a light lunch. Morning and afternoon teas are 15 minutes and lunch is 30 minutes duration.

Please check local road maps, or the venue website, to find nearby parking.

A softcopy of the full PowerPoint presentations and course book are given to every attendee for future reference and unlimited use within their company. **YOU MUST BRING A LAPTOP OR ELECTRONIC PAD TO THE COURSE.**

A certificate of training is provided at the end of the course.

We can also run our training course on-site in your operation. Ask us for a free quotation and practical advice.

Contact us by email at info@lifetime-reliability.com.au or by telephone on +61 8 9457 6297, or cell/mobile +61 8 (0) 402 731 563 to get more information and answer any questions that you have.



Your Course Registration Form and Payment Details

**1 - Select Your Course: Life Cycle Asset Management the Plant Wellness Way:
 How to get big profits with ISO 55000 / ISO 55001**

City: _____ **Dates:** _____

2 - Registration Fee:

EARLY BIRD: AUD\$2,400, GST \$240 **Total** \$2,640
STANDARD: AUD\$3,000, GST \$300 **Total** \$3,300
Early Bird payment is required in full a month before the course start date.
 Standard Payment is required in full prior the course start date. Attendees **MUST BRING A LAPTOP** to get a softcopy of the PowerPoint slides and course book, with unrestricted usage rights within their company, along with morning tea, lunch, afternoon tea provided each day.

3 - Register:

By Phone: (+61) 0402 731 563
By Email: info@lifetime-reliability.com
By Fax: (+61 8) 9457 8642
By Post: General Training Pty Ltd,
 PO Box 2091,
 Rossmoyne, 6148, WA
 Australia

4 – Pick Payment Option and Make Payment:

A. Electronic Fund Transfer to:
 Bank: National Australia Bank
 Branch: Bull Creek Branch Office
 Shop 33 Stockland Bull Creek
 Cnr South Street and Benningfield Road
 Bull Creek, WA 6149
 Account: General Training Pty Ltd
 BSB No: 086-138
 Account No: 580663221
 Swift Code: NATAAU3306P

B. Cheque in favour of ‘General Training Pty Ltd’

C. Credit Card secure online at www.paypal.com.au with Visa, Am-Ex or MasterCard (*fee applies*).

You can also pay online using PayPal

PayPal On-line Payment

email address: info@lifetime-reliability.com

Order/Item # - **Asset Management PWW**

D. Purchase Order:
 (*Only in Australia*)

Cancellation Policy: Substitute delegate welcome. To cover administration costs, management costs and training venue penalties there is 80% refund with prior 30 days’ notice of cancellation, 70% refund between 30-15 days, 50% refund after 15 days. 25% refund for non-attendance.

5 - Delegate Details (One form per person attending):

Name:
 Job Title:
 Company:
 Street/Box:
 Suburb:
 Zip/Post Code: State/Country:
 Email:
 Phone No:

6 - How did you find out about the course?

7 - If via the Internet, which website address?