

ENERGY1 Asia - Virtual instructor-led Training (Online)

Due to the recent developments with COVID-19 we have, for the health and safety of our speakers and attendees, our selected multi-day courses will be delivered live online led by experience practitioners. This will enable you to experience a similar engagement experience to our successful traditional classroom setting which includes exercises, answering your question and provide feedback – all without having to travel anywhere!

Improving Supply Chain Quality with a Modern Effective Approach and **'Managing by Measurement'**

26th – 28th April 2021 | 12:30 – 17:30 (GMT+8) Daily | ONLINE Virtual Instructor Led Training

Master and understand how to manage suppliers by measurement based and drive 'true' world class quality through the supply chain in a consistent manner.



Improving & Maximizing Supply Chain Quality with a Modern Effective Approach and 'Managing by Measurement' (3 half-Days)

Supply Chain Quality is a very important area as companies cannot only rely on simple Audit, Incoming Quality Control, etc. to manage suppliers. Supplier visits / audits are all well and good, but do they truly bring sustainable quality improvement?

As companies strive for ongoing cost reduction a much more detailed and 'real-life' awareness of supplier capability is imperative to minimise risk of changing suppliers or making major changes with existing ones. The key to improving Supplier Quality is developing a sequential set of detailed activities that clearly 'reveal' supplier's true capability and provide suitable process reporting that clearly demonstrates a supplier's ability to produce consistently high-quality components / sub-assemblies / products.

All Supplier Quality Engineers have knowledge on applying standard supplier audit methodology but lack the ability to look deeply into supplier processes with the right tools to evaluate their capability. Setting up a new supplier or even changing management approach to existing suppliers requires the supplier QE to have a 'toolkit' to lead them through a proven and efficient method of maximising supplier quality and providing long term assurance via 'virtual' reporting.

Supply Chain "Measurement Based" Masterclass (New Tools)

This 3 half-days **Virtual Instructor Led Training** will show how to measure supplier quality escape rates from their own process data to allow true 'Risk Management' of the supplier and MINIMISE the level of ad-hoc firefighting which takes place much too often in the supply chain.

The trainer have developed a very effective '6 Step Supplier Process' which has been used widely across many clients, leading to major reduction in supplier failure levels in all stages of the client's manufacturing process and in the early life stage of end customer usage. In each of the above steps, many years of experience has been used to develop the 6-step approach that provides measurable outputs the supplier QE uses to benchmark suppliers and also drive continual improvement at existing ones.

Total Measurement Tools

Participant will receive a wide range of the trainer self-developed Total measurement tools (Proven XL models) to evaluate and handle existing / new suppliers which they can start applying and modifying them to suit their own needs.

This 3 half-days **Virtual Instructor Led Training** is based on the trainer experience coaching many clients Supply Chain Quality people on making sure suppliers are objectively measured continuously in a step by step manner that involves a range of KPI's rarely used in supply chain quality management.

This Virtual Instructor Led Training will have a good balance of Practical and theory. Initial theory to set the scene goes quickly into multiple case studies so participants learn quickly how to do similar on their own supply chain.

Attend this to Master:

- Methods of how to truly assess supplier ability to control in process quality and use data to predict potential escape rates.
- How to remove focus and cost of low value Incoming Quality Inspection by managing suppliers by measurement.
- Understanding how to process map and perform strong supplier PFMEA that converts into Strong Process Control with high level supplier reporting to drive real improvement.
- How to pull several key supplier measures together in Holistic manner to understand and score supplier capability to start mass production at New Product Introduction stage.
- Making Supplier Process Auditing TRUE VALUE ADD rather than simply being an ISO style tick box audit.
- Turning almost everything a supplier does into a measured metric to continually monitor their 'true' performance to drive accountability.
- Developing excellent supplier partnerships without any 'hidden factories' and setting realistic goals.

PRACTICAL INVOLVEMENT: Wide range of free proven XL models to apply in your own environments:

Participant will get the chance to experience and learn an entirely new and efficient method to evaluate and handle existing suppliers in a Total Measurement manner which will greatly enhance their ability to drive World Class Supplier Quality achievement. Participant can then start applying and modifying them to suit their own needs.

- Supplier Quality and Reliability Questionnaire with scoring model
- Reliability Solutions SMART Scoring model to evaluate supplier ability to produce world class quality
- Detailed Supplier Quality Audit with scoring, unique approach developed by Reliability Solutions over last 10 yrs
- Reliability Solutions Supplier Reliability Maturity Rating model.
- NPI transition scoring model to evaluate supplier readiness to start mass production.
- Supplier Process failure escape rate calculation models.

Improving & Maximizing Supply Chain Quality with a Modern Effective Approach and 'Managing by Measurement' (3 half-Days)

This program is intended

This course will teach new and experienced supply chain quality engineers / management how to assess new suppliers more effectively and understand existing supply chain 'true' quality capability as supplier quality extends into early life reliability. Applicable to both "Brand owners" and actual suppliers to major companies.

- Supplier Quality engineers and Managers
- Supply Chain Managers
- Quality engineers / Managers / Directors
- Procurement Managers / Directors
- Customer account managers
- Technical sourcing / procurement personnel
- Personnel involved directly with suppliers from start up at a new supplier to improving existing suppliers.
- Contract manufactures – CM are being given more and more responsibility for total quality as new start-up companies are only designers, hence need their CM's to control part sourcing, Parts quality, total supply chain quality, process reliability, etc To do this the CM's need a very thorough reporting model and ability to rate themselves internally to perform their own GAP analysis to improve further and support their customers totally. This will help them improve their competitiveness in appealing to their possible new customers.

Learning outcomes for non-technical and technical disciplines:

Technical personnel, engineers type personnel will learn how to:

- 'Manage by Measurement' and use quantifiable assessments of suppliers to REMOVE the normal 'subjectivity' of supplier audits / reviews
- shows the technical models required to make clear assessment of best suppliers and ensuring the best and most capable suppliers are selected based on ability to achieve World Class Quality and Reliability.
- Enables engineers to be able to set up critical Questionnaires and Maturity rating processes to truly understand a supplier's capability plus control New Product Introduction with a detailed and measured approach to ensure NO SURPRISES with new product mass production.
- show how to set up an efficient Supplier Process Measurement model and reporting to enable strong VIRTUAL management of the supplier

For the non-technical, procurement type personnel this virtual training:

- Shows why supplier rating and management is such an important model. Traditional supplier measurement has been handled with measuring factors such as on time delivery, order completeness, etc which have minimal effect on supplier quality performance, hence more is required.
- Provides a good understanding for non-technical people who need to look at the 'overall' approach and how to combine with the standard measurement factors used to manage suppliers.
- Show how to get best from suppliers WITHOUT increasing cost but REDUCING Overall Cost of Ownership.

CASE STUDIES & PAST PARTICIPANTS ACHIEVEMENT:

- Reduced Incoming Quality Control headcount from 35 to 5 persons with the supply chain quality approach. Achieving World Class Quality levels < 30 ppm with suppliers managed the "Reliability Solutions" way.
- Transformed approach to supplier reliability and process measurement to drive Warranty Fail reduction by 50% and 'Manage by Measurement'
- Implement and followed the "Reliability Solutions" total measurement-based supply chain quality improvement approach to drive World Class supplier fail levels in their own assy process at 6 sigma levels

SMALL SCALE INHOUSE ONLINE Virtual Instructor Led Training:

- Interested in bringing this Online training to your location for your team?
- Do you have 10 or more people needing training?

We would love to help! Call us at +603 7727 3952 or email intraining@petro1.com.my to discuss special pricing and information.

TAKE AWAYS TOOLS

Over the years (25 years' experience), our expert trainer had design and develop his own unique model, approach, techniques and solutions through coaching many clients Supply Chain Quality people on making sure suppliers are objectively measured continuously in a step-by-step manner that involves a range of KPI's rarely used in supply chain quality management.

The trainer will provide practical tools throughout each concern the 3 days that can be implement directly:

How to evaluate a new supplier with virtual approach by using a critical Questionnaire:

Tools: A Unique Questionnaire approach built up over 25 yrs working with clients to define supplier quality needs.

Measuring the Supplier Reliability Maturity Index to minimise sourcing risk:

Tools: Model focuses on the 'real' areas to measure which will directly link to assuring world class reliability capability.

Performing a 'SMART' score at new suppliers to perform quick and effective GAP analysis and Supplier Benchmarking

Tools: A unique 'SMART' score model specific to Reliability Solutions making supplier review much easier and more efficient / measurable.

Setting up detailed supplier process management and overall management reporting for effective virtual management

Tools: Our expert trainer has set up excellent reporting models that focus on key process areas which yield results.

Following the '6 steps to world class quality' model

Tools: A totally new approach using all the models design by our expert trainer over the years to make new supplier selection and development very measurable and efficient

Using a measurable NPI transition model to ensure top class supplier quality at start of mass production

Tools: A truly unique model which enables management to QUICKLY see how suppliers are performing at critical NPI stage and benchmark against targets to drive suppliers

Understanding why Receiving Inspection is a worthless high-cost operation which can be avoided and the statistics behind IQC / AQL sampling

Tools: Helping engineers understand the basic statistics behind sampling and setting up the correct alternative to high cost incoming inspection testing

How to effectively score a supplier with an efficient weighted supplier audit approach

Tools: A detailed thorough supplier audit approach that is based on REAL LIFE experience as opposed to basic standards which do not provide sufficient value add

Using more effective supplier defect management models and setting up effective reporting to track and manage the supplier issues

Tools: Alternatives to the old traditional 8D that every supplier quality engineer hates to use!

Bringing the complete sourcing model together for an effective 'manage by measurement' approach and utilising localised agencies to perform on site quality testing

Tools: Our expert trainer approach to bringing everything together, showing how all the elements are implemented and the overall structure required from which to develop a full solutions and pragmatic approach.



LIST OF COMPANIES THAT HAD BENEFIT FROM OUR APPLIED ELECTRONICS TRAININGS:

Amkor, Analog Devices, Artesyn Embedded Technologies, Apple, Beckman, Benchmark Electronics, BOSE, Bel Fuse, BI Technologies, BBOX Business consultancy, Clarion, Cypress manufacturing, Celestial Electronics, Channel well technology, Design Pool, Domino OPTO Technologies, Dyson Manufacturing, Delta networks, EDMI Electronics, Electrolux, Emerson, Finisar, Fisher & Paykel, Fitbit, Freescale Semiconductor, Funing precision, Flextronics, Foxconn, Hayco, Honor Eletronics, Harman Automotive, HGST, Infineon Technologies, Jilin WeEn, Semiconductors, Johnson Electric, Kaertech Electronics, Kitron Electronics, Logitech, Lumentum, Laird Technologies, Littlefuse, Mattel, Macom, Microhip technology, Microsoft, Mircosemi, Muehlbauer Technologies, NXP Seimiconductors, National Instrument Netgear, Nexteer Automotive, NOTE Electronics, On semiconductor, Osram, Plexus Manufacturing, Premium Sound, QAV Technologies, Qorvo, Quasar Eletronics, Sandisk Storage, Sanmina System, Schaffner EMC, Schneider Electric, Sernet Technologies, SharkNinja Sky-Light, Smith Medical, Sony Technology, ST Microelectronics, TF-AMD Microelectronics, Traxton Technologies, Tridonic, Vishay Semiconductors, Vtech Communication, WD Media, Western Digital, Wistron NeWeb, Leica and many more.

Improving & Maximizing Supply Chain Quality with a Modern Effective Approach and 'Managing by Measurement' (3 half-Days)

DAY 1 (Session 1)

Where to Start in Virtual Supplier Management / Improvement

- Traditional role of the Supplier Quality Engineer and why it is no longer so effective.
- What is involved in a more effective and efficient SQE role?
- What is the skill set required for today's SQE's in modern electronic and electromechanical products?

Using the Supplier Quality Questionnaire to support Virtual Supplier Assessment

- Designing a very efficient Questionnaire for supplier to feedback their own self-assessment
- Following up on the Questionnaire with focused questions to 'test' feedback relevance and understanding
- Agreeing the first 'virtual' supplier quality score
- **20 min workshop session on using the Reliability Solutions online rating module**

Setting up an effective Quality audit scoring approach and performing the Reliability Solutions 'SMART' score at a Virtual level

- Setting up a strong Quality Audit which asks the right questions and leads the SQE deeply into the process
- Making sure there is No Hidden Factory with the right type of audit method
- Using the audit score to compare to initial questionnaire and provide detailed feedback to supplier and why they do not see or admit the GAP's
- **30 min Workshop on Applying the Reliability Solutions Scoring Model and applying the Reliability Solutions 'SMART' score**

Day 2 (Session 2)

Performing the Reliability Solutions Virtual Supplier Reliability Maturity Rating

- Introducing the added value audit to the SQE toolkit
- Combining Reliability Maturity Rating with Quality Audit Rating

Why IQC and AQL sample test standards are no longer appropriate in modern manufacture and how this affects supplier quality / reliability assurance

- Using Supplier Process data to measure and control outgoing Quality
- Installing Effective Problem-Solving methods

Why Supplier PFMEA is important, How to use a simplified and effective approach as part of the Supplier Quality improvement program in the Virtual World

Continue Day 2 (Session 2)

The importance of Supplier Process Yield Measurement and how to use data to predict Field Failure Rate escape rates from the Process

- Methods to predict Escape Rates into customer from the manufacturing process
- Predicting Customer Dead On Arrival and Early Life Failure rates using Reliability Solutions model

DAY 3 (Session 3)

The 6 step Virtual process to achieving World Class Supplier Quality

- An effective and efficient system to drive suppliers developed by Reliability Solutions
- How to use learnings in Sessions 1-7 to develop the Solution
- Case Study examples demonstrate the use of this approach

Bringing all the models and assessments together into an NPI scoring model which allows SQE to 'Holistically' evaluate the supplier

- Using the Reliability Solutions scoring model and several real-life case studies
- Using the Reliability Solutions Supplier NPI measurement model to manage world class quality levels

Workshop Session where teams are given a Mgmt Directive to set in place an improvement programme to drive 30% reduction in Process failure levels, Teams set up to define their approaches and present to the class

- Define Critical Parts / Materials
- Develop Strategy to select suppliers
- Include what supplier ratings required
- Define the Critical parts supplier quality focus measurements
- Outline Quality and Control Testing approach (Product / Critical parts)
- Summarise the NPI approach and measures used
- Define Ongoing control approach and measures to be implemented at suppliers

Improving & Maximizing Supply Chain Quality with a Modern Effective Approach and 'Managing by Measurement' (3 half-Days) Registration Form

Improving & Maximizing Supply Chain Quality with a Modern Effective Approach and 'Managing by Measurement'	Per Participant	PROGRAM DETAILS ONLINE Virtual Instructor Led Training Date: 26 th – 28 th April 2021 Time: 12:30 – 17:30 (GMT+8) Daily
Full 3 half-Days ** (Recommended) **	USD 1099 ()	STEPS TO REGISTER: Simply fill up the registration form and email it to: Email to : registration@petro1.com.my Call us : +603 7727 3952 Mobile /Whatsapp: +6012 568 4696 (Harn)
<ul style="list-style-type: none"> The above investment fee is inclusive of course material. This course is limited to 15 attendees to ensure that the course can remain interactive. Please note the Online VILT time zone will be as "Malaysia / Singapore" time zone (GMT+8). The Duration of the training will be 4 hours / Per day. Additional 1 hour will be inclusive of breaks in between session, exercises, and Q&A session. 		
<p>If you or your company is facing travel restrictions, we may be able to arrange the training at your preferred location for remote participation or conduct the training in-house with minimum 10 pax. Please contact ihtraining@petro1.com.my to discuss this possibility.</p>		

Delegate Details

1. Name: _____ Mr Mrs Ms Dr

Job Title: _____

Email : _____

Contact No: _____

Department: _____

2. Name: _____ Mr Mrs Ms Dr

Job Title: _____

Email : _____

Contact No: _____

Department: _____

3. Name: _____ Mr Mrs Ms Dr

Job Title: _____

Email : _____

Contact No: _____

Department: _____

Head of Department: _____

Invoice Details

Invoice Attention to: _____

Company: _____

Industry: _____

Address: _____

Postcode: _____ Country: _____

Telephone: _____ Fax: _____

Email: _____

Authorized Signature : _____

Payment Method

By Direct Transfer: Please quote invoice numbers on remittance advice.

ACCOUNT NAME : PETRO1 LIMITED

BANK : United Overseas Bank (Malaysia) BHD

ACCOUNT NO : 2609008514 (USD)

All bank charges to be borne by payers. Please ensure that PETRO1 SDN BHD received the full invoice amount.

CREDIT CARD PAYMENT

Credit card payment will include a charge 3%.

Payment Policy: Upon receipt of a completed registration form, it confirms that the organization is registering for the seat(s) of the participant(s) to attend the conference or training workshop. Payment is required with registration and must be received prior to the event to guarantee the seat. Payment has to be received 7 working days prior to the event date to confirm registration.

DATA PROTECTION

The information you provide will be safeguarded by Petro1 that may be used to keep you informed of relevant products and services. We take it seriously when it comes to protection of our client data.

Sales and service Tax (SST): Apply to Malaysia register company only.

The above investment fee is excluding of SST 6%. The SST charges of 6% will be include during issuance of the invoices.

Cancellation & Substitutions:

Should you be unable to attend, substitutes are always welcome anytime at no additional cost. Please inform us as early as possible. Payment is non-refundable if cancellation occurs 7 working days prior to event commencement. However, delegates will receive a 100% credit on the amount paid which can be used in another PETRO1 SDN BHD training course for up to one year from the date of issuance. The credit is transferable to other persons in the same company and applicable against any future PETRO1 SDN BHD public course/ Online Live Webinar. If cancellation occurs 7 working days prior to the registration date and there is no substitute, the organizer reserves the right to charge 50% of the total investment from your organization.

In the event that, PETRO1 SDN BHD. postpones or cancels a course, delegate payments at the date of cancellation or postponement will be credited to a future PETRO1 SDN BHD course. This credit will be available for up to one year from the date of issuance, and it is transferable to other persons in the same company and applicable against any future PETRO1 SDN BHD public course.

PETRO1 SDN BHD is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. PETRO1 SDN BHD shall assume no liability whatsoever in the event this training course is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, war, fire, labor strike, extreme weather or other emergency.

Program Change policy:

The organizer reserves the right to make any amendments and/or changes to the webinar, Date/ time, facilitator replacements and/or modules if warranted by circumstances beyond its control.

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