

1. What happens, when "Quality Mindset" is lost?

دراسة حالة 2: الغش بإنتاج مواد بلاستيكية بفت ض أنها غد قابلة للاحت اق Case 2: Non flammable daaa:+ /abaa+\

deceit (cheat)	يفترض أنها غير فابله للاحتراق
Industry: building materials (insulator plastic panel)	الصناعة : مواد للبناء (ألواح بلاستيكية عازلة)
When: Nov. of 2007	متى: تشرين الثاني 2007
Happened: It was revealed that a sample for evaluation had been falsified for 15years	الحدث: عند أخذ عينة من الألواح لتقييمها اتضح أنه تم تزييفها لمدة 15 عام بإضافة مواد غير قابلة للاحتراق
(adding nonflammable agent)	
Cause : The company cheated the test samples, assuming that their business would expand if the official certification obtained.	السبب:افترضت الشركة أنه في حال الحصول على شهادة رسمية تصادق على جودة الألواح البلاستيكية عندها يمكنها التوسع بالإنتاج ، لذلك تم تزوير عينة الاختبار
Result : Deprivation of the certification from the company, Lost the company's reliability Confidential repr	النتيجة: حرمان الشركة من الحصول على الشهادة، وبالتالي خسارة السمعة وحصة السوق 4 مسلمة مسلمة المسلمة 1018/1017

Quality Infrastructure in Japan

~Reflections and Implications for Syria~

By Kazuyuki Kuwada & Seiichi (Jiiji) Matsumura JICA Senior Volunteer (Aleppo Chamber of Industry)

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1. What happens, when "Quality Mindset" is lost?

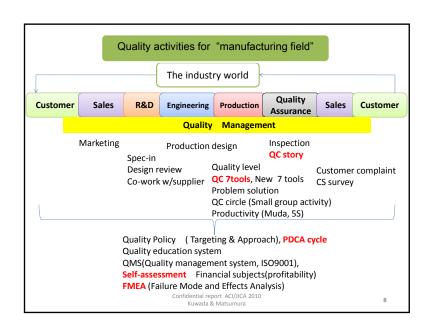
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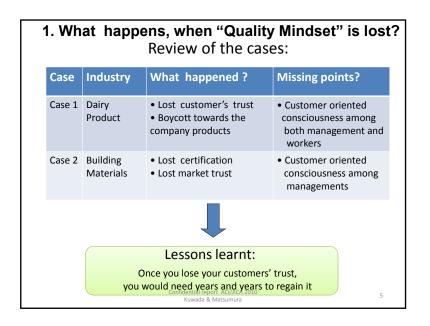
ماذا يحدث عندما نفقد (التفكير بعقلية الجودة)

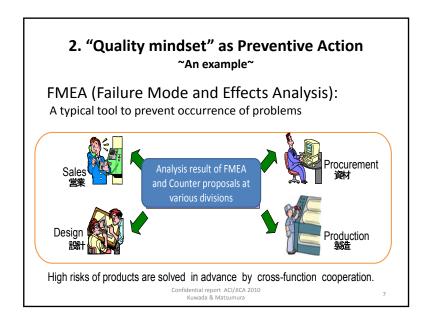
در اسه حاله: التسمم الغدائي
الصناعة : الحليب والأجبان
متی : حزیران 2000
الحدث: إصابة 14.780 شخص بالمرض بسبب جراثيم مختلفة
السبب: رغم توقف خطوط الإنتاج نتيجة انقطاع الكهرباء، استمرت الشركة باستخدام المواد الوسيطة التي كان يتوجب التخلص منها
النتيجة: مقاطعة الزبائن للمنتجات التي تحمل اسم الشركة وأجبرت الشركة على إغلاق أحد معاملها

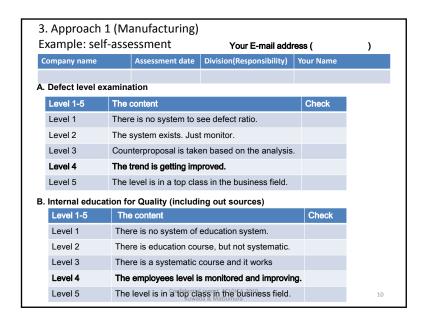
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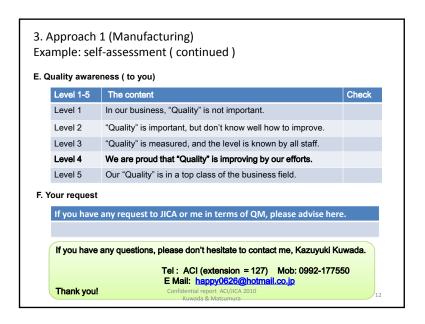












3. Approach 1 (Individual company and factory level)

3.1) Self-assessment
Practice a self-assessment to know the own positioning

Based on the assessment, to establish an action plan for continuous improvement

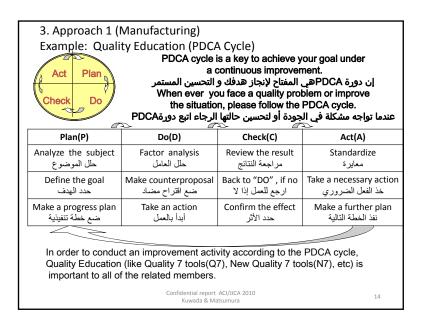
Compare between the current and the past to know the future direction

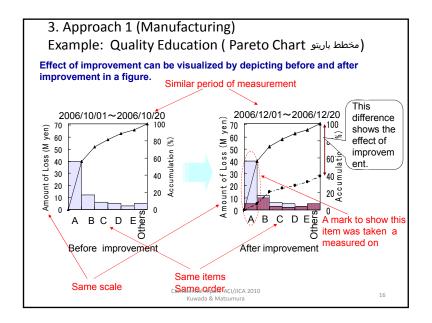
3.2) Quality Education

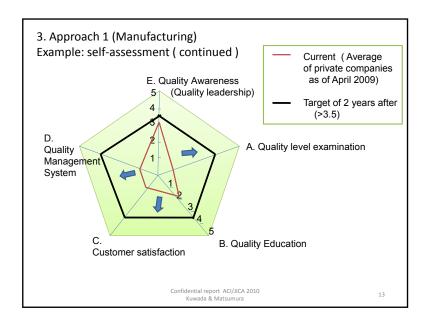
PDCA cycle: Basic approach to continuous improvement QC story: Basic approach to solve problematic issues Q7 tool (ex.Pareto Chart): Typical Quality tools to develop "QC story"

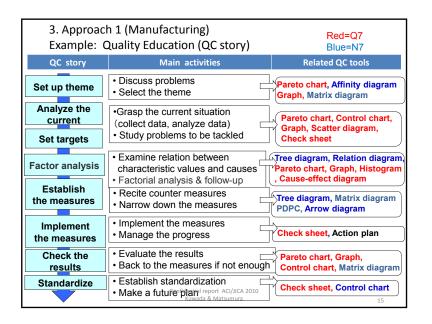
FMEA: Typical tool to prevent occurrence of Quality problems

3. Approach 1 (Manufacturing) Example: self-assessment (continued) C. Customer satisfaction Level 1-5 The content Check Level 1 We don't know our customers, nor what they want. Level 2 When complaint from customers, we follow it. Level 3 There is a customer list for special request & past complaint. Level 4 Customer satisfaction survey is planned and practiced. Level 5 The level is in a top class of the business field. D. Quality management system (QMS) Level 1-5 The content Check There is no Quality division (QA or QC), nor QMS. Level 1 Quality division exists and it works. Level 2 Level 3 There is a Quality policy and all staff know it. Already obtained ISO9001 or have internal QMS equal to it. Level 4 Level 5 The level is in a top class of the business field. 11 Kuwada & Matsumura









Example: Quality Education (FMEA)

=Continued =

Recommended activities

1)Ranking failure modes according to RPN
RPM=S(level of influence) x O(frequency of occurrence)
x D(detective ratio) :1-10 points

- 2)To take corrective actions to the highest risk problem and urgent subjects
- 3)To take a concrete and proactive corrective action
- 4) Any division needs to cooperate to overcome the risky problem

Preventive activity is better than any activity after finding defects.

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5. Expectation for future generations

<Example of Quality Education in University of Japan>

=My experience in Japan=

At the second grade of Applied Chemical course of Engineering Faculty In 1968 of Osaka University

Frequency: One hour every week w/ a textbook of

"Fundamental Quality Control"

Content: Quality mindset

Histogram, Check-sheet

Statistical study (normal distribution)

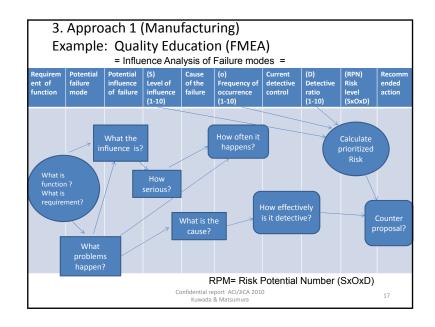
Control Chart

Inspection

Scatter analysis etc.

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4. Approach 2 (Industrial society as a whole)

Quality activity in Quality month (November)

= slogan of 2009= (50th in Japan)



Quality that Enables Sustainable Society
What is the Quality for You, now? ~

Here, "Sustainable Society" is a society inherited down the generations while maintaining a favorable balance among our environment, economy and society. For example, reducing quality losses leads to reducing

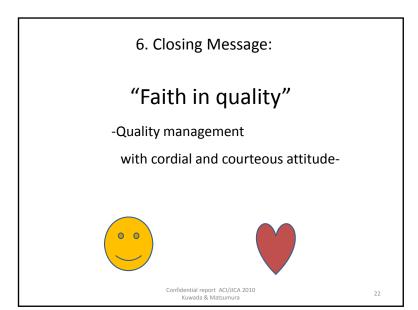
the environmental burden, and thus considered to help realize a sustainable society in the end.

(Award system for excellent companies)

Cf. In Syria, 14th Quality month (in 2009)

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(continued) 5. Expectation for future generations Suggestion about "Quality related course" = proposal for university/ institute in Syria= Back ground: Syrian industry need to expand its business competitiveness in the global market. In order to support the strategy, all persons who engage in manufacturing should have "Quality mindset". The concept should be learned at university/ institute. Proposal: Preparation time in 2009 Starting a trial in 2010 as an elective subject Trial years for 3 years (2010 - 2012) Setting up an essential subject from 2013 based on an investigation of trial periods 2009 2010 2011 Year Action plan Investigation Trial periods for 3 years Starting (elective subject) Discussion (essential) Trial draft Summary repo Summary repo Summary repo

Severe assessments towards QC & Management

Authorized certification of ISO9000

Steady improvement in quality...?

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Developing new technologies

Daily continuous activities for improvement

⇒a real important force supporting the company.

⇒There's no end in KAIZEN

-continuous improvement- activities

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Furthermore...

PEOPLE

Royalty for their company

Faith in their products

Commitment for improvement

...and LOVE for their people

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Zero defects in production

Necessary conditions BEFORE introducing ISO:

Appropriate production facilities

Complete maintenance

Thorough working standards

Operators properly trained to implement the standards

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Thank you very much for your attention!



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"Cordial and courteous" attitude and commitment.

Origin for MONODUKURI
—shop-floor production technologies-

Foundation to sustain the quality control system

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