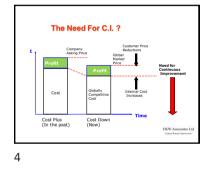
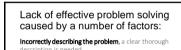




	m provide knowledge of DMAIC
	bjectives the end of the session you will be able to: Use the steps of DMAIC as a problem solving methodology
	HEW Associates La International International Internationa
3	





Hurrying up the process, steps are skipped to obtain a

No logical process, the team lacks a disciplined system to prioritise, analyse and review problems.

Poor Team participation, Not all team members get involved, may not consider all the causes of the

problem. HEW Associates Lt hepital lineiros Improved

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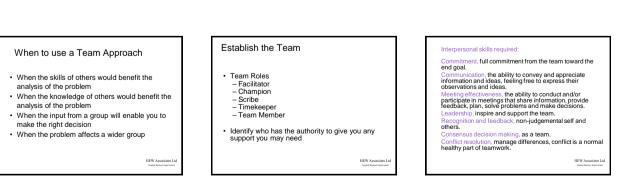
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Lack of technical skills, team members are not trained in statistics and problem solving. Management's impatient, pressure causes an inadequate analysis. Not implementing permanent corrective action, root cause not identified also financial justification is required. Misidentifying a possible cause as a root cause, problem reoccurs because the root cause is not eliminated.

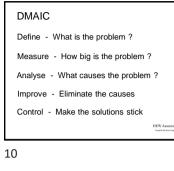
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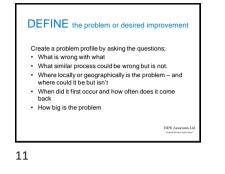
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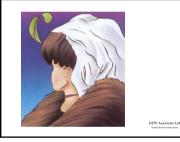


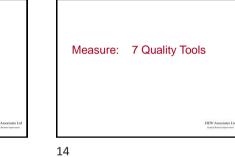
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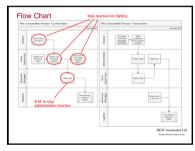


Kipling and Open Questions What is the problem ? Why is it a problem? Where is it a problem ? How is it a problem ? (Guatty, Cost, Delivery, Safety, Morale and Management) When is it a problem Who is a problem for ?

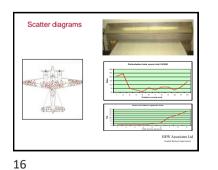


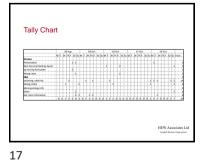


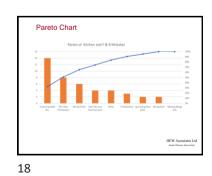


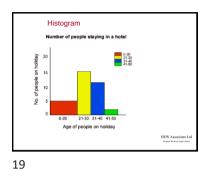


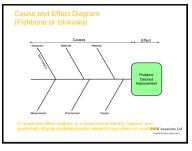






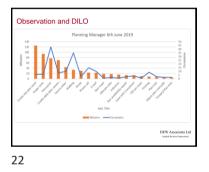






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Other sources of Data

- · historical records (e.g. maintenance or shift logs)
- quality audits
- external sources
- Standard Operating procedures
- health and safety & environmental information
- designed and controlled trials

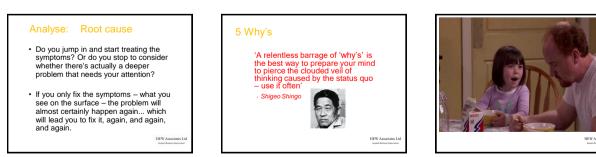




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Ask your partner Why are you here ?

Until you find something new about them

HEW A

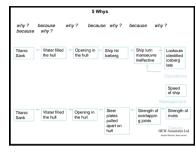
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why ?

Titanic Sank

Ship hit Iceberg



30

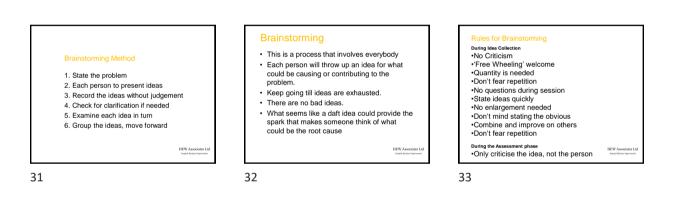
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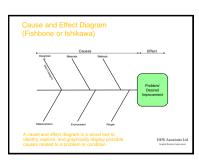
3 Whys

HEW A

Ship hit Iceberg

Opening in the hull





- •The cause & effect matrix prioritises the possible causes of the problem/ defect
- . The possible causes should be investigated and
- verified

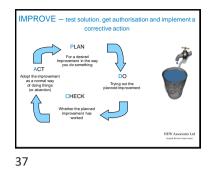
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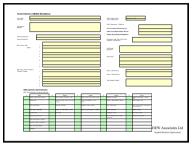
•From this potential solutions can be generated •The potential solutions must be evaluated

HEW As

- Evaluate all the potential solutions considering the following:
- Operational Effectiveness
 Ease of implementation
- Timescale for implementation
 Financial Impact
- Functionality of the system
 Environmental Impact
- Staffing Implications
 Quality Implications
- Conformity with Company Policies
 Health and Safety Implications
- Customer delivery implications

HEW A

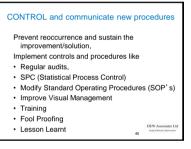


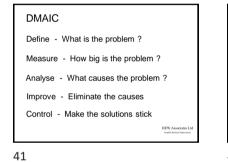












PDCA	DMAIC	A3	8D/PSP
	Define	Clarify the Problem	1. Create Team & collect Information
	Measure	Break down the Problem	2. Describe the Problem
Plan		Set a Target	3. Define Contain- ment Actions
		Analyze the Root Cause	4. Analyze the Root Cause
	Analyse	Develope Countermeasures	5. Define possible corrective Actions
Do	Improve	See Countermeasures	6. Implement corrective Actions
Check	Control	Evaluate Results & Processes	7. Define Actions to avoid Recurrence
Act		Standardize Success	8. Congratulate your Team



