



RISK, FMEA AND RELIABILITY

An FMEA is for Life!

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[Return to Session Directory](#)



22nd May 1995: Shell attempt to end the 23 day Greenpeace occupation of the Brent Spar oil installation in the North Sea with the giant STADIVE, a multi use vessel larger than a football field.

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M/V "YA TOIVO" (ex. HMS CHALLENGER)





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What is a proper FMEA?

- Client defined
- Classification society requirements
- Is it useful for the ship's crew?
- Does it help to explain the ship's systems?
- Are there any gaps?
- Will it survive an audit?



Benefits of a Quality FMEA

- Provides value for money for the client
- Reduces project risk for all parties
- Reduces vessel downtime and problem solving
- Assists crew training
- Improves design and construction phases
- Provides customer confidence
- Provides a living document – fully auditable



FMEA Lite!

- It does what it says on the tin!
- It can only fill a gap for a short time and will need to be reviewed again in a short time
- Does a skinny latte cost less than a standard one?



So how is it for Life?

- Doesn't just “tick the box”
- Becomes a document to rely on
- Forms part of the ship's documentation library
- Used by ship's personnel



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Thank you



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