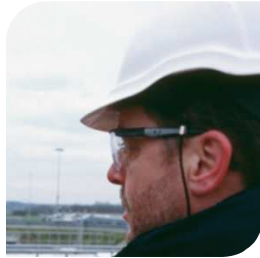




TORC Final Seminar



Date: 01-12-2016

By: John van Schie

HSE teamleader ONEgas Asset NAM



-
- NAM- Nederlandse Aardolie Maatschappij B.V.
 - Exploration and production of oil and gas in the Netherlands and on the continental shelf (on / offshore)



Target population

- Initial target population
 - Operators (field staff)
 - Management – Operation Support - HSE
 - Work preparation
- Opportunities to expand the population to other disciplines (e.g. Finance , Wells) and contractors
- About 1500 people working in NAM and 3000 contractors



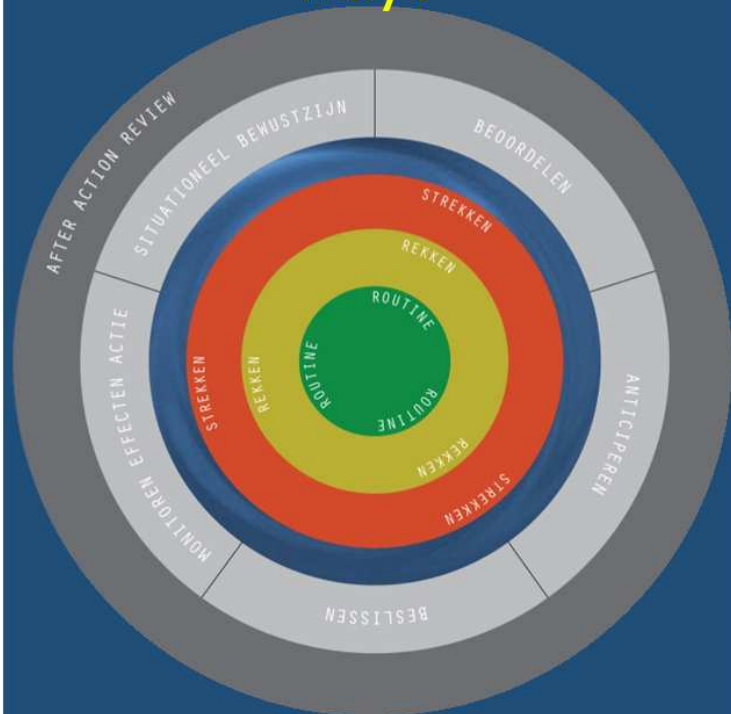
Situation



- Starting case for the training- normal operation activity
 - Safeguarding an installation
 - Routine maintenance

Expectations

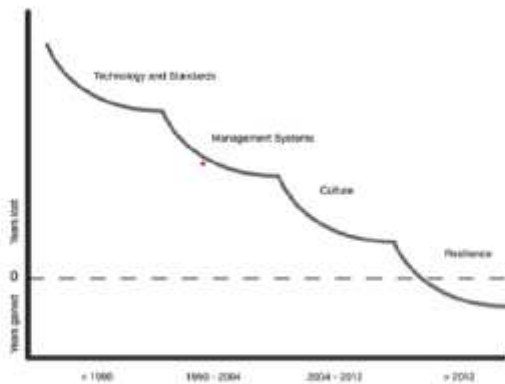
Solved in a resilient way?



What have we learned?

- Interactive training for resilience capabilities
 - Open up the discussion that things don't go always as planned –prepared
 - People solve a lot working on our locations and getting exposed to all kind of unexpected situation
 - Does management know?
 - Do they approve?
 - And what do we learn from that?
 - How can we build the resilient capabilities of our teams

Starting point



Figuur 1.2 Ontwikkeling veiligheidsprestatie in de tijd inclusief veerkracht
Bron J. Groeneweg 2010

- Working on my MoSHE thesis
- Thesis topic Resilience
- Contact with TNO- Johan van der Vorm
- SAF€RA project
- Industrial partners – “Proeftuin”
- Helping to develop a training tool for resilient operation

Feedback

- Serious game training -> interactive
- People get very involved-> case is reflecting real life
- Time constraint triggers the sense of chronic unease
- Good discussions and understanding - management- operation team- work preparation
- “This is certainly somewhat different from a normal training”



Opportunities

- Combination with the Shell Heath individual resilience training program
- Various other cases – training for other disciplines
- Trainers availability
- Relation with incident investigation

- Improvements

- Group think –create various roles e.g. advocate of the devil
- Tools to keep the training alive – posters – booklet – game board as sticker on table
- Clarity wrt to the investments – safety- efficiency- work load

