Reliability Maturity: 10 jaar later, waar staat u?

Harry Roossien

Voorzitter PLOT (NL), Past-president & board member CEEES (EU) Reliability & System Engineering (Sony/Ericsson, Plantronics, Dopple, R2R)







29 NOVEMBER 2018 TECHNIEKHUYS VELDHOVEN

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Vroeger was alles beter. En tegenwoordig is dat niet anders.







iPhone 3G



Documenten > 03_PLOT-CEEES > Ledenvergaderingen > 2018-nov Conferentie > Reliability Maturity...

Reliability Maturity V1.0 - Harry Roossien

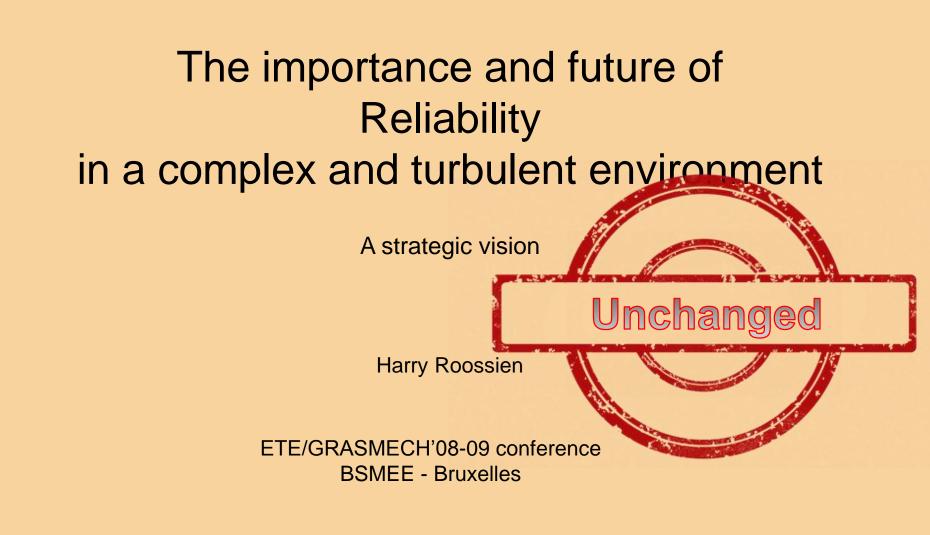
PowerPoint 97-2003-presentatie (*.ppt)

🕞 Opslaan

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Meer opties...







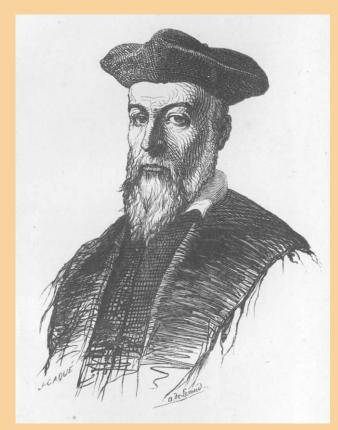
Contents

1. Importance of reliability

- Complex: Forces on organisation and reliability
- Turbulent: Technical and economic perspectives

2. Testphylosophies in perspective

- Simulation, Robustness, Virtual
- Acceleration en aggrevation
- 3. Future of Reliability
 - Reliability Maturity Model



2010 attacks on prime ministers
2015 first global war
2028 Venus expedition (2005 Mars)
2050 end of cattle breeding meat sowing and harvesting
2060 people lifetime up to 500 years
2068 life on other planets

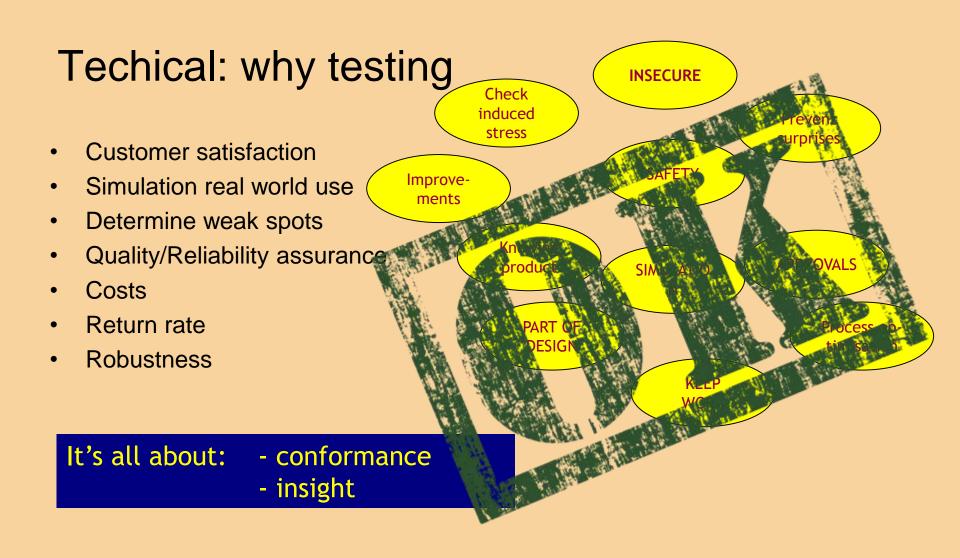


- 1. Importance of Reliability
- Technical
- Economic
- Complexity



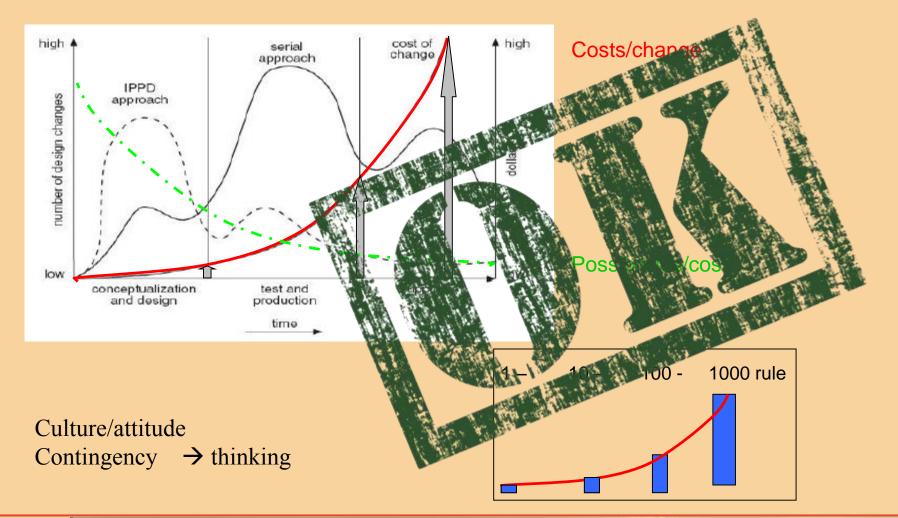








Economical: Costs of Change





Complex: value

Organisational importance of Reliability

- 1. Savings on Costs and Time
 - Life Time Costs, efficiency and projectdelays
- Effective and Efficient testing methods
 Brandname and consumer trust (loyalty)
- first choice, second buy
- 3. Availability
 - · reliability, repair, maintenance
 - contractual obligation
- <u>Differentiating (competitive advantage)</u>

 quality level and perception
 - value for money → quantification and prove
- 5. Insight and understanding
- Physics of Failure, Root Cause Analysis, Modelling → prediction and control

Reliability is efficiency and competitive advantage

- insight and understanding leading to pro-active approaches
 - answer to forces and competitions (South-East Asia and former Eastern block)
 - response to complex and turbulent environments



Quality is free (Juran) Reliability is the proof (...)









l'm a Reliability Engineer

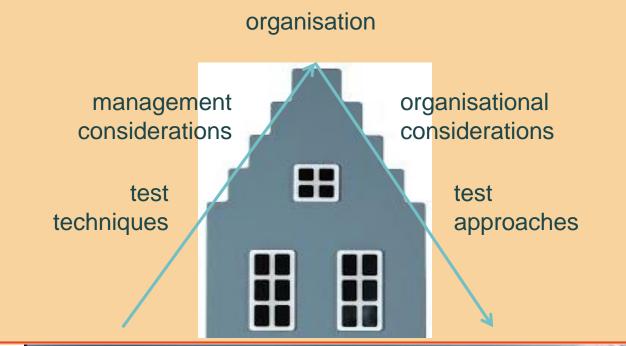
> If you see me running try to catch up !





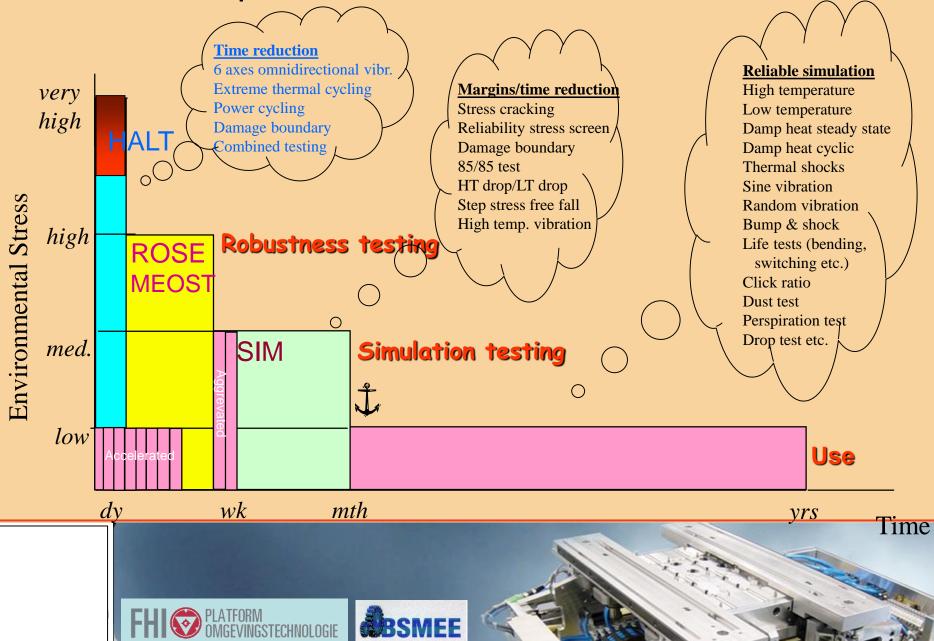
2. Testphilosophies in perspective

Q is the ability of the product to meet required performance under stated conditions ... (R) for a specific period of time and to determine the margin to required performance



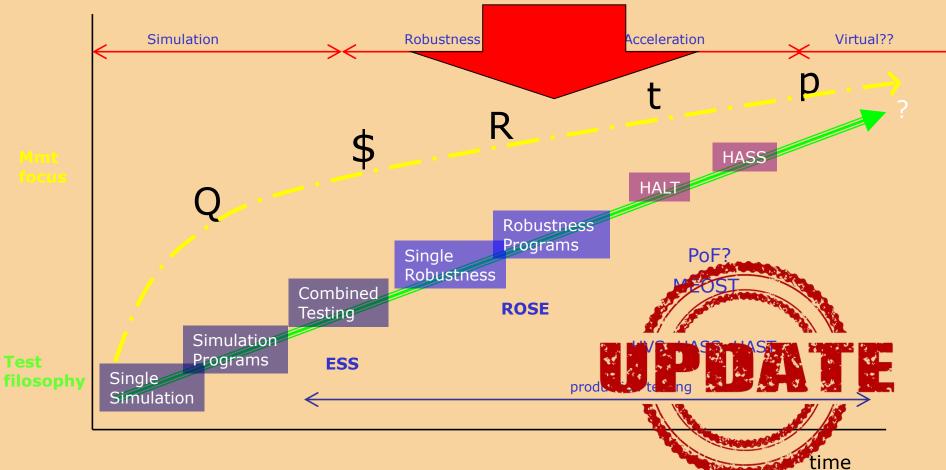


Test Philosophies



Management focus

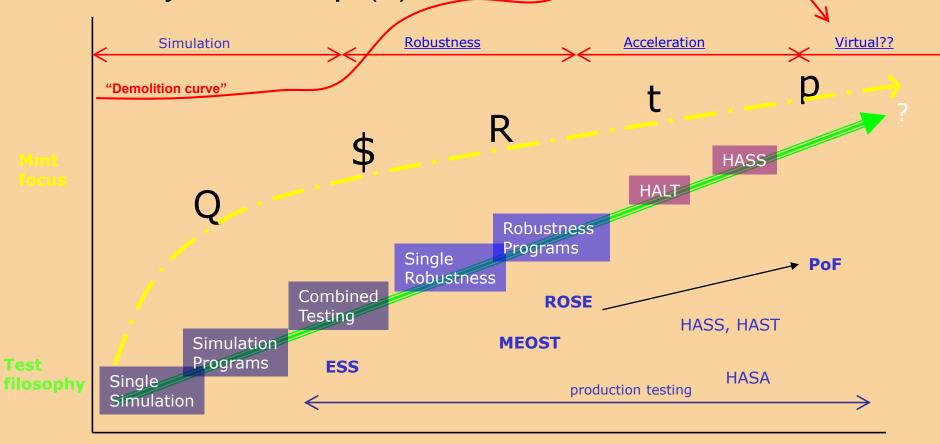




Base: PLOT members / CEEES / supplier base



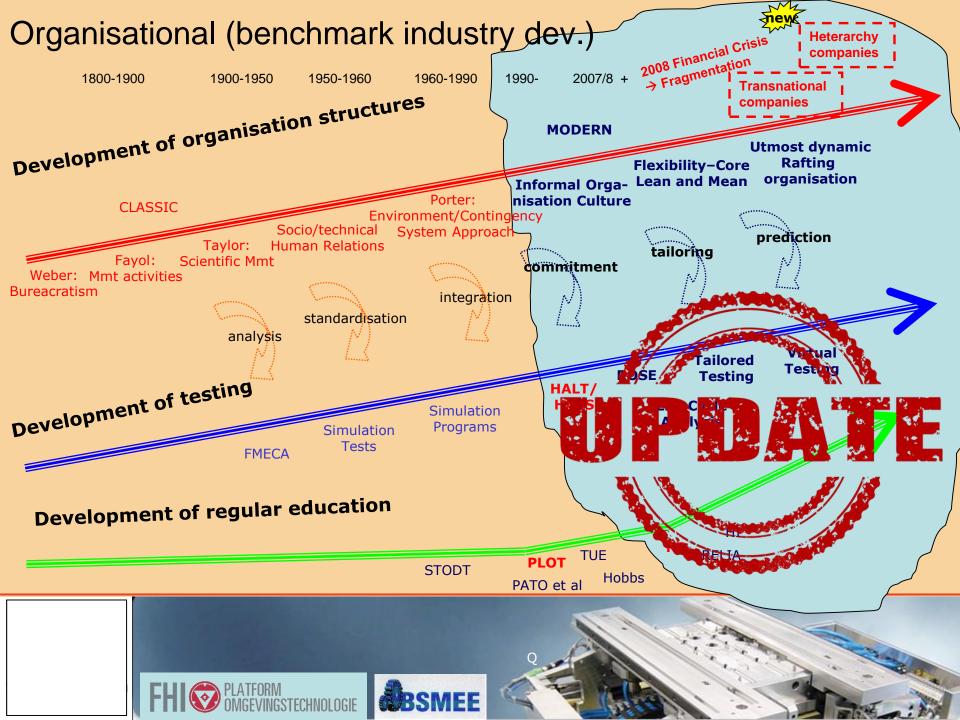
Reliability Roadmap (II)

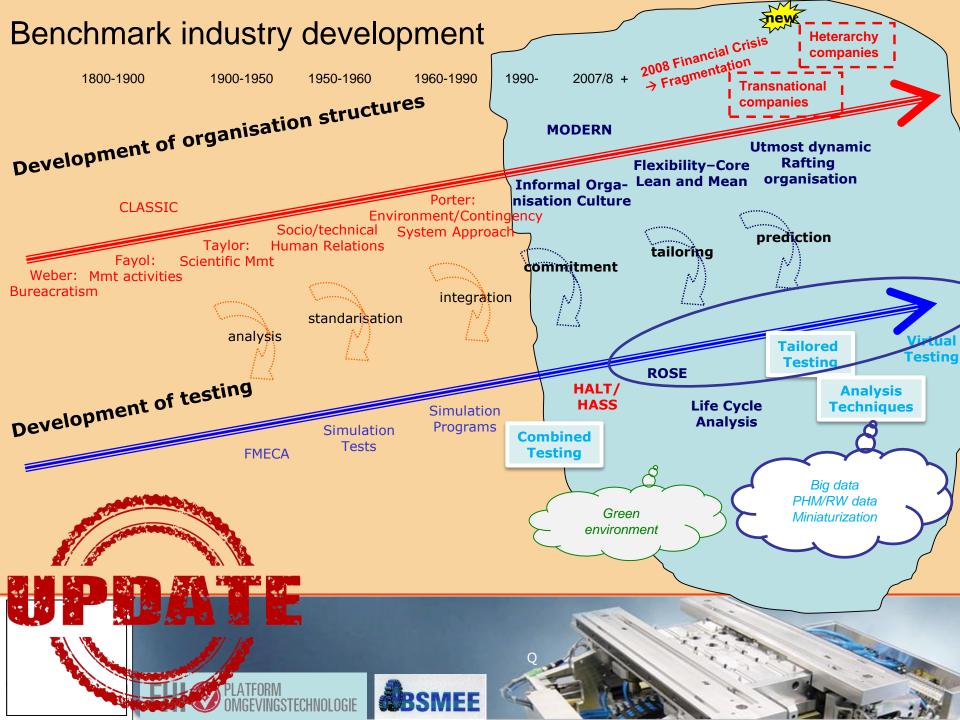


time

Base: PLOT members / CEEES / supplier base







Megatrends 2010+

With special permission of and thanks to Adjiedj Bakas (trendwatcher)

- Structural shortage on labor market and job security are over.
- Multinationals will cut back on innovation and creativity, will lead to missed opportunities and emerge of start-ups.
- New migration flows and deflation. Need for extremely a carmanufacture g facilities.
- Domination by nanotechnolgy, biotechnolgy, gene of protocolics and grown viron ont. Shift in industries and economic value of profession a skals.
- More female labor, less children. Agoing effects, hoyboon to (140), et echt, gebonn ire and education jobs.
- Next to traditional employers and employees, b, co, ing group, b, sowen it is kance.
 we work organisations.
- Work will be journey and experiment. Different journey. Poster advialist e comics in the poble satisfaction, sabatticals and retraining.
- Focus on talents development (talent assessments) professional continue interaction education-work-private. Investments in people calance and Happing s.
- Generation exit. Professionals leaving home contry.
- Dilemma's. Dilemma of Sustainability and Greek societey

educe-Reuse-Recycle) vs expensive

Source: sigma online; Bakas trendoffice; de toekomst van werk, Richard Lamb trendwatcher/futuroloog Adjiedj Bakas trendwatcher/author



Use profiles and tailored testing (real world data)





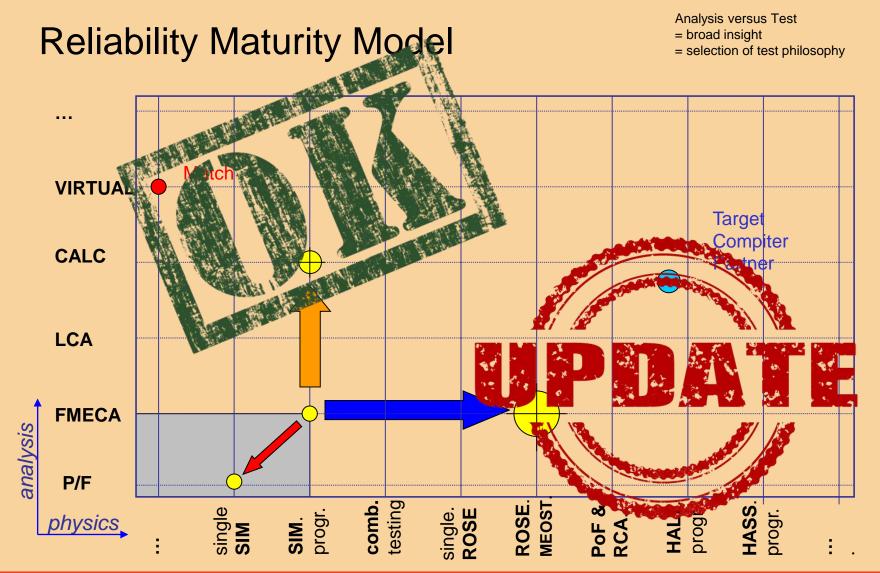
3. Future of Reliability

A paperless office has about as much chance as a

paperless bathroom (anonymour)

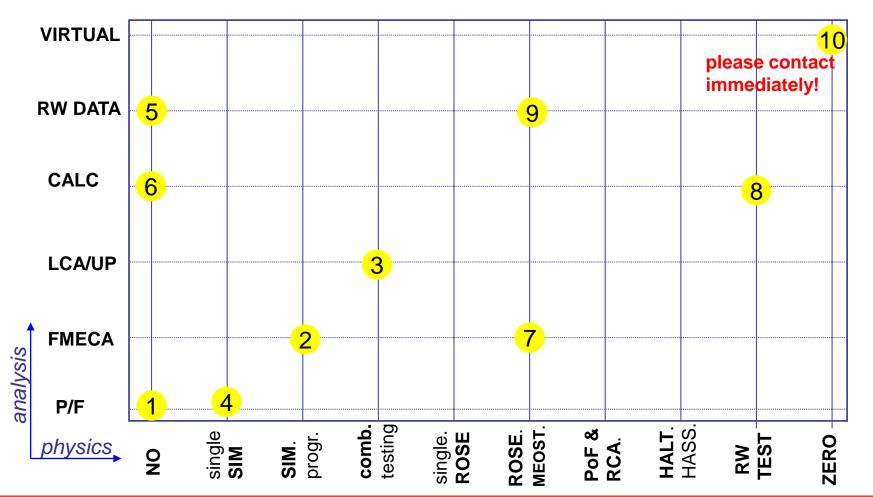
- Turbulent environments
- Benchmark industy development
- Reliability Maturity







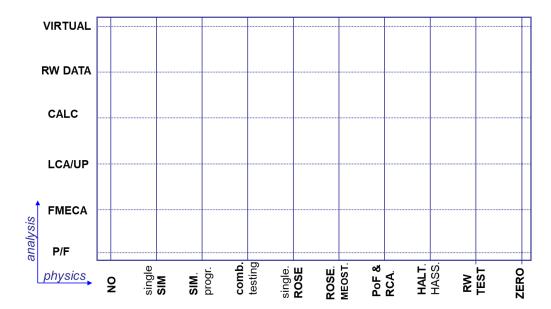
What's your point today ... and tomorrow?





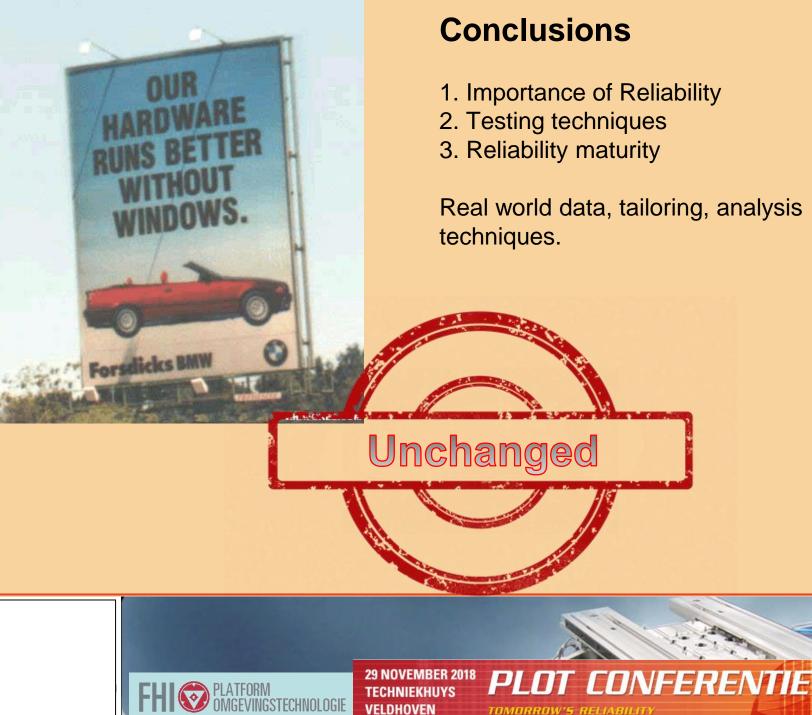
Reliability Maturity Model

- Insight current position
 - SWOT
 - focus areas, analysis or testing
- Benchmark your position
 - with suppliers/test houses
 - with competitors
- Strategy development
 - current and wanted position
 - vision
 (how to develop, which direction)



Time to PLOT





TOMORROW'S RELIABILITY



Thank you

Let's enjoy the future together with respect for the past



www.reliability-support.nl





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