



2021 RELIABILITY SEMINAR

LIVE Reliability Seminar on Data Science
for Reliability & Root Cause Analysis

14 OCTOBER

High Tech Campus Eindhoven

Join us!

WELCOME !

On behalf of Holland Innovative organization

*Elly van den Blik
Karina Garcia del Real
Hans Meeske*

Coen Smits, Dorien Lutgendorf, Ronald Schop, Jeroen de Mast

POWERFUL SOLUTIONS



2021 RELIABILITY SEMINAR

Reliability 2.0

Data Science

Root Cause Analysis

What can Data Science mean for Root Cause Analysis, Condition Monitoring and Reliability Prediction?

**How to collect the proper information and how to transform this into usable data?
How to model the data to get accurate predictions?**

**Why do things break down – and when – and how ?
How can PoF, Material science and data science offer the answer for reliability ?**

Learn – Connect – Share - Discover

Where to start, how to start, show examples ?

What ? Why ? How ?



Program...Key notes & presentations & discussion panel



9:15 – 10:15 hrs **Keynote Prof. Tiedo Tinga**, professor at NLDA and University of Twente
"Predictive Maintenance – Combining Data and Physics"



10:15 – 11:15 hrs **Keynote Dr.-Ing. Martin Dazer**, Head of Reliability and Driveline Department at IMA, University of Stuttgart
"Taking Advantage of Smart Data in Reliability Assurance and Product Design"

Presentations from the industry

Discussion panel @ 16.45 hrs: welcome to ask questions, raise issues !

Program

11:45	Topic: Reliability 2.0, Data Science
	Dorien Lutgendorf, Holland Innovative
	<i>Taking the Leap: Expanding your Reliability work field with Data Science</i> Room Ernst - Curie
	Topic: Data Science in Root Cause Analysis, Diagnostics, Predictive Maintenance
	Maarten de Leuw, ASML
	<i>Growing from Solving to Preventing Problems: Strengthening RCA and Predictive Maintenance with Data Science</i> Room Ernst - Curie
12:45	Lunch Lobby Rontgen
13:45	Topic: Reliability 2.0, Data Science
	Anders Gottfred Aaen, Senior Key Expert, Siemens Gamesa
	<i>Moving towards more Intelligent Reliability: Data-driven and Sustainable solutions in Energy</i> Room Ernst - Curie
	Jeroen van Rijt, Inalfa Roof Systems
	<i>Using the Real Data: Improving Product Reliability of automotive sunroof systems</i> Room Ernst - Curie
	Evelyne Janssen – van Dam, Canon Production Printing
	<i>Data Science adding Value in the Field: Optimizing printer productivity by pro-active use of field data</i> Room Ernst - Curie
15:15	Network Break Lobby Rontgen
15:45	Topic: Data Science in Root Cause Analysis, Diagnostics, Predictive Maintenance
	Coen Smits, Holland Innovative
	<i>Root Cause Analysis: How can the Data help you ?</i> Room Ernst - Curie
	Maarten van Noorden, Sensata Technologies
	<i>Data-driven diagnostics: Effective Use of Simulation in Root Cause Investigations for Automotive Sensors</i> Room Ernst - Curie
16:45	Plenary Panel discussion, interactive
	With keynote speakers and presenting speakers

Thank you

Sponsored by MASER Engineering



In collaboration with

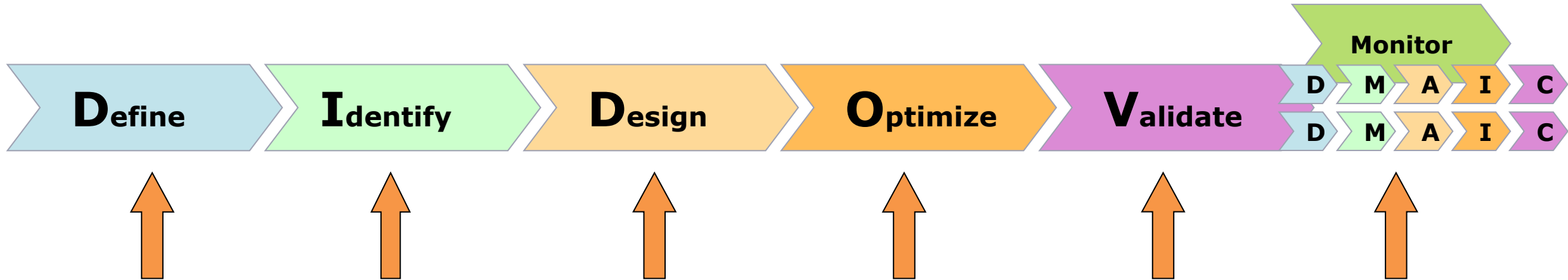


HIGH TECH CAMPUS
EINDHOVEN

Is there a RIGHT Way of Thinking ?



Reliability and RCA in Product Creation Process



Data is always there and everywhere...

From reactive to proactive...how ?

Holland Innovative in a few slides

Welcome to contact us !
via our website, to talk to a HI specialist, or mail us !

POWERFUL SOLUTIONS



Breakthrough Innovation by proven methodology

Holland Innovative House & Knowledge network



The **Holland Innovative** House: ■ core ■ results ■ enablers



Who we are

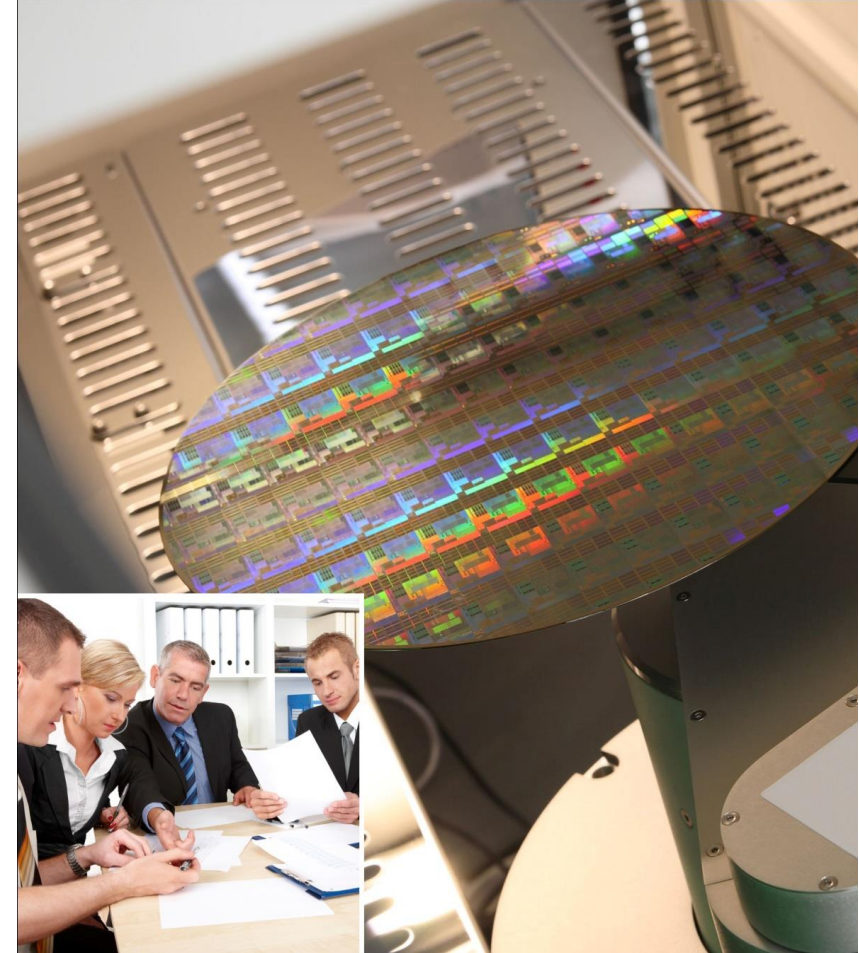
> 50 dedicated experts

Located in Eindhoven, Enschede & Den Haag

Projects and Competence development in:

- Reliability Engineering
- Root Cause Analysis
- (Design for) Six Sigma
- Risk Management
- Data Science
- Medical device development
- Project management





Business Drivers

- SPEED: Short Time To Market – right product with right design
- RELIABILITY: Robust Design & Reduction of Cost of Non-Quality; Complexity reduction
- LEADERSHIP: in product innovation

Markets
HighTech, Energy, Mobility, MedTech,
AgroTech

Market HighTech: example Reliability

Question:
Can you increase the lifetime of
our cars?

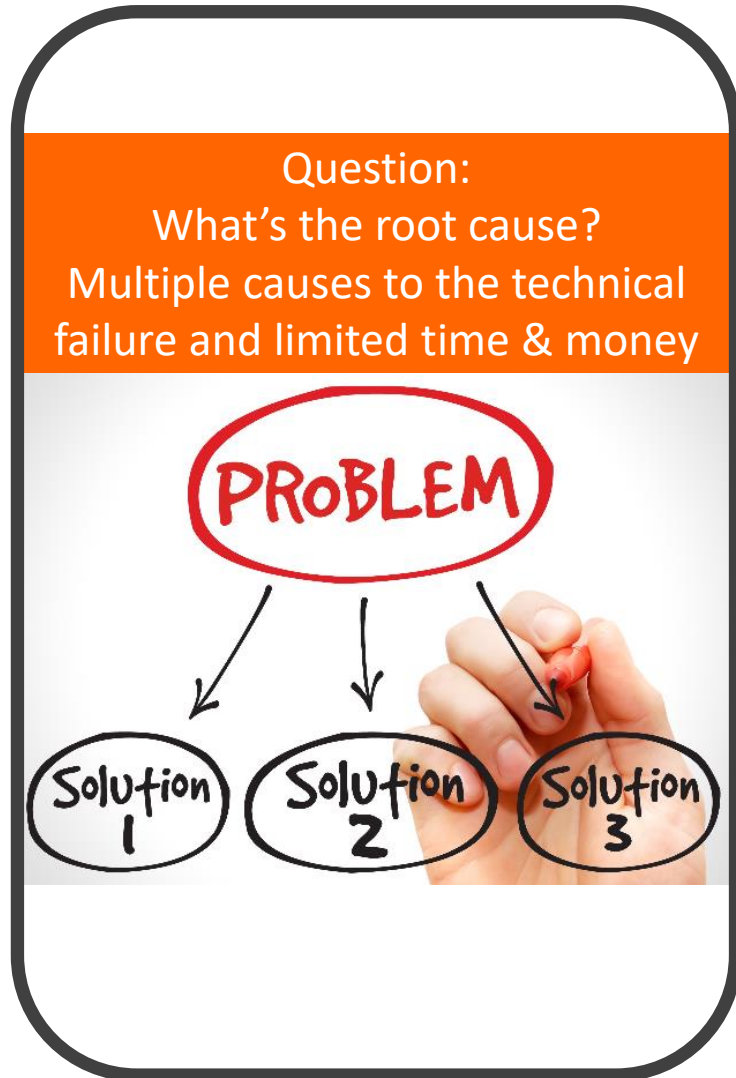


Solution by
Reliability Engineering

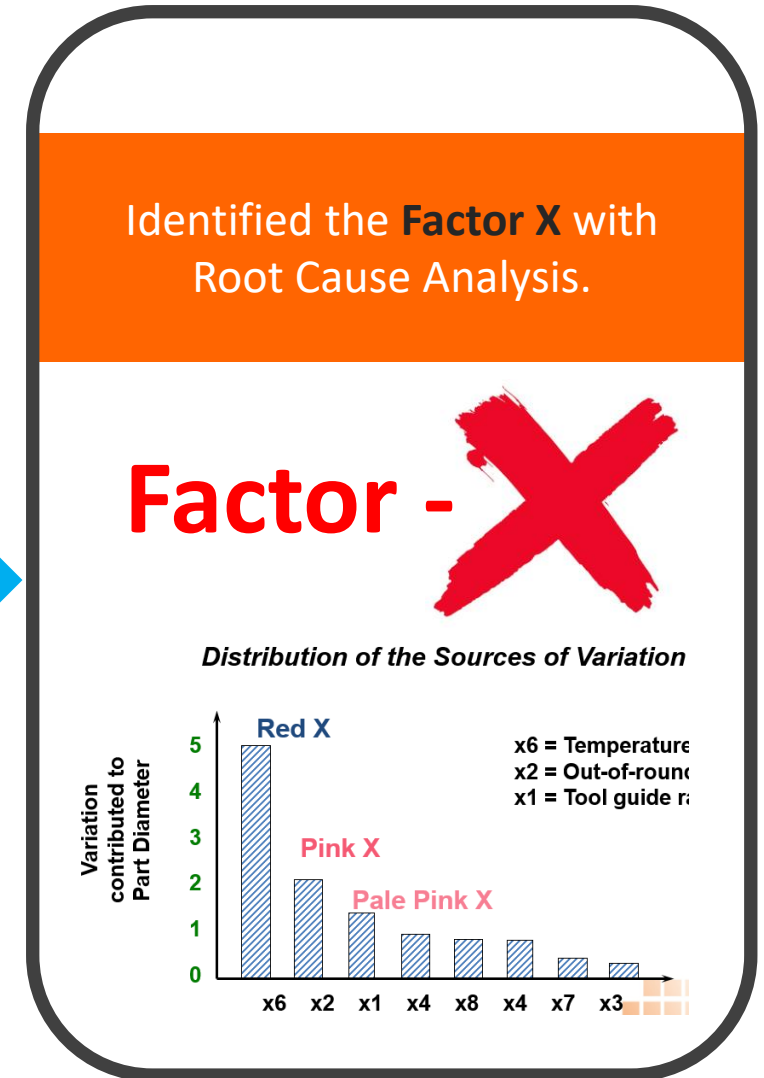
Results:
Cars with > 1.000.000 km



Market HighTech: example Root Cause Analysis



Solution by
Root Cause Analysis



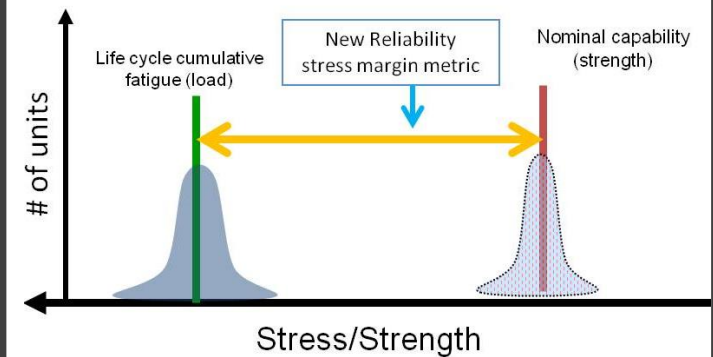
Market HighTech: example Robust Design

Question:
How to increase the robustness of
my product and process?



Solution by
Design for Six Sigma

Proven Reliability stress margin by
Design for Robustness



For more info you're more than welcome!



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Thanks to our Customers!

