

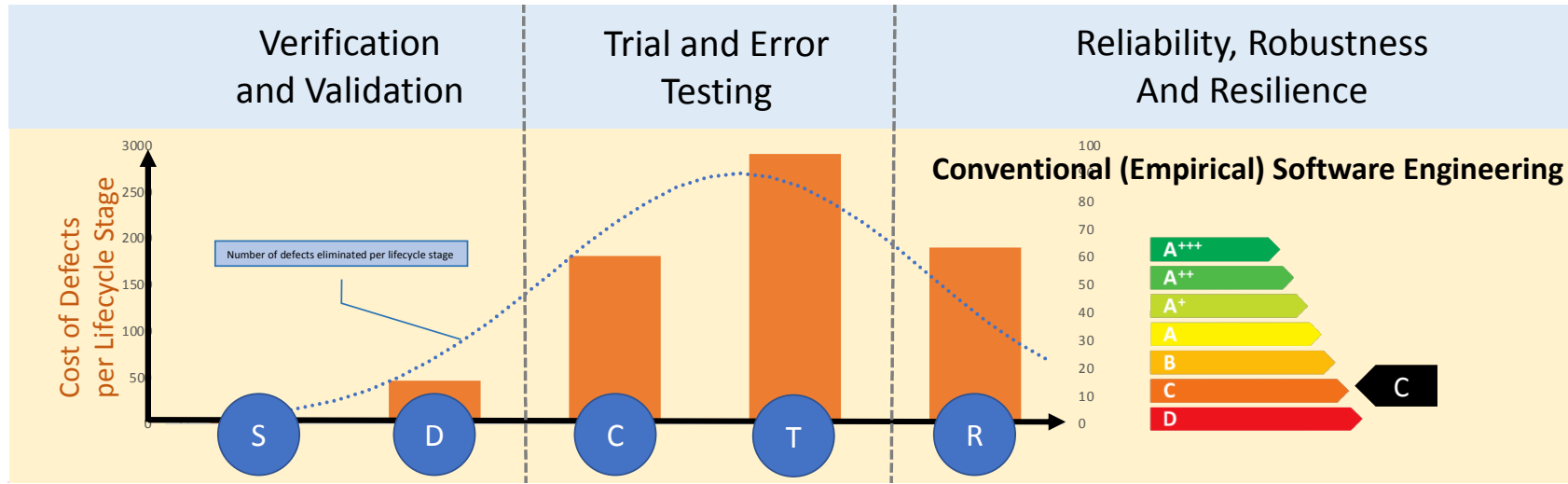
# How to develop software that can be trusted

**DESIGN AUTOMATION & EMBEDDED SYSTEMS**

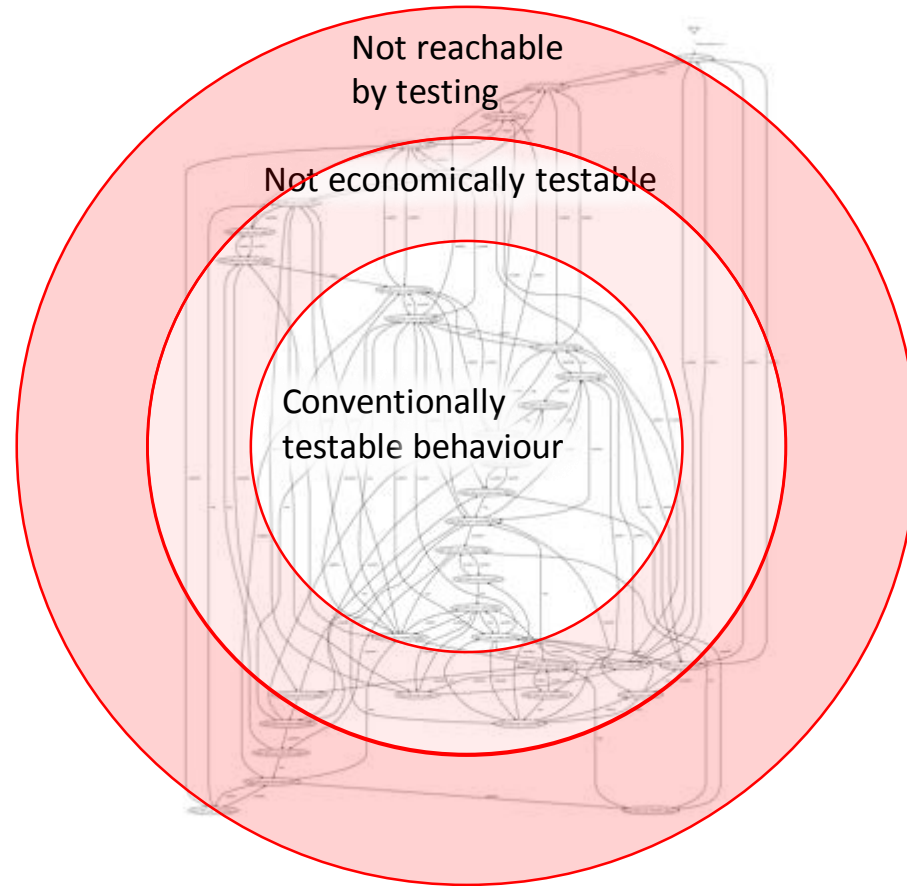
**8 OKT** ←  
VAN DER VALK HOTEL  
EINDHOVEN



# The Business Case for Dezyne



# Unsafe, Insecure Software



- Untested behavior  
=> **UNRELIABLE**
- Missing Behaviour  
=> **NOT ROBUST**
- Unconstrained Behaviour  
=> **NOT RESILIENT**

**Leads to high risk of  
Unsafe, Insecure Software**

# Foundation for Safe, Secure Software



- No Untestable Behaviour  
=> **RELIABLE**
- No Missing Behaviour  
=> **ROBUST**
- No Unconstrained Behaviour  
=> **RESILIENT**

**Reliable, Robust, Resilient  
behaviour is the foundation  
of Safe and Secure Software**



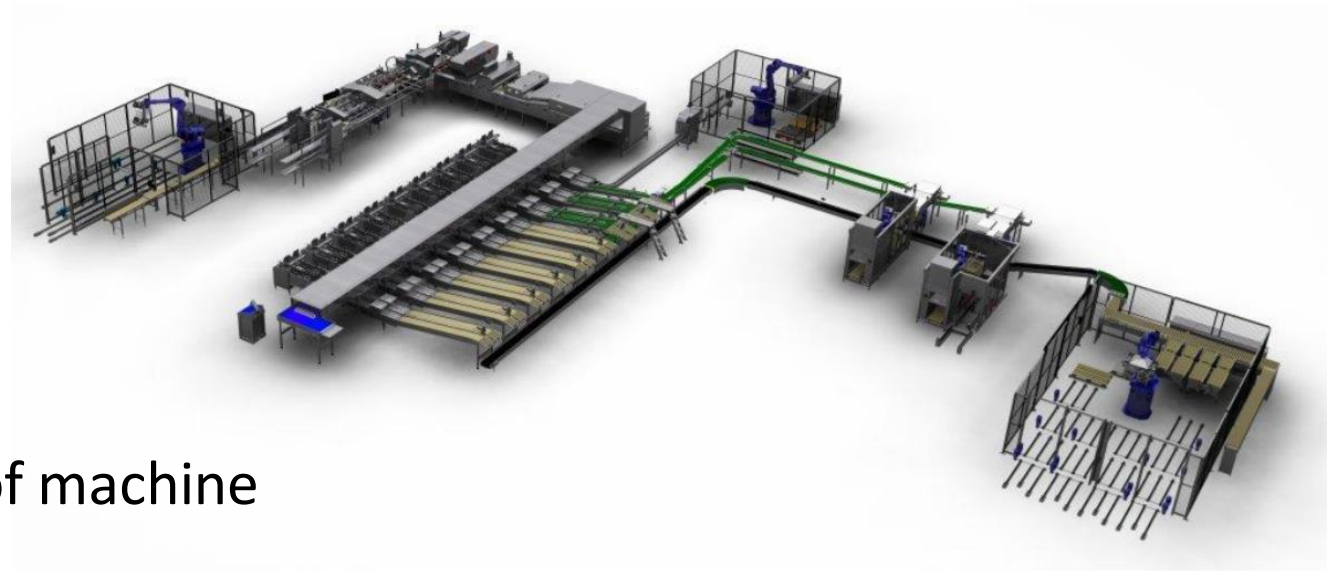
# Business case MOBA



World market leader in grading & packing of eggs



# How to improve efficiency during development and time to market



## Case:

- Start production new version of machine
- Software generation:  
Based on model driven approach (Dezyne)

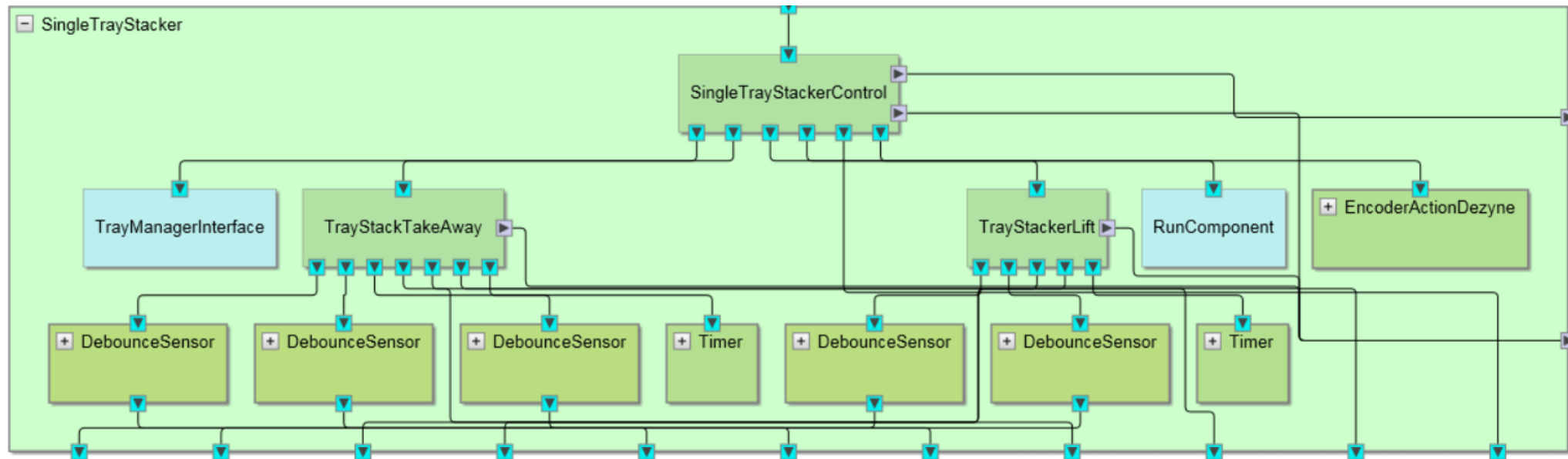
# End result

- ✓ So far (since 4 months now)  
zero software issues
- ✓ No bug reports
- ✓ Flawless performance



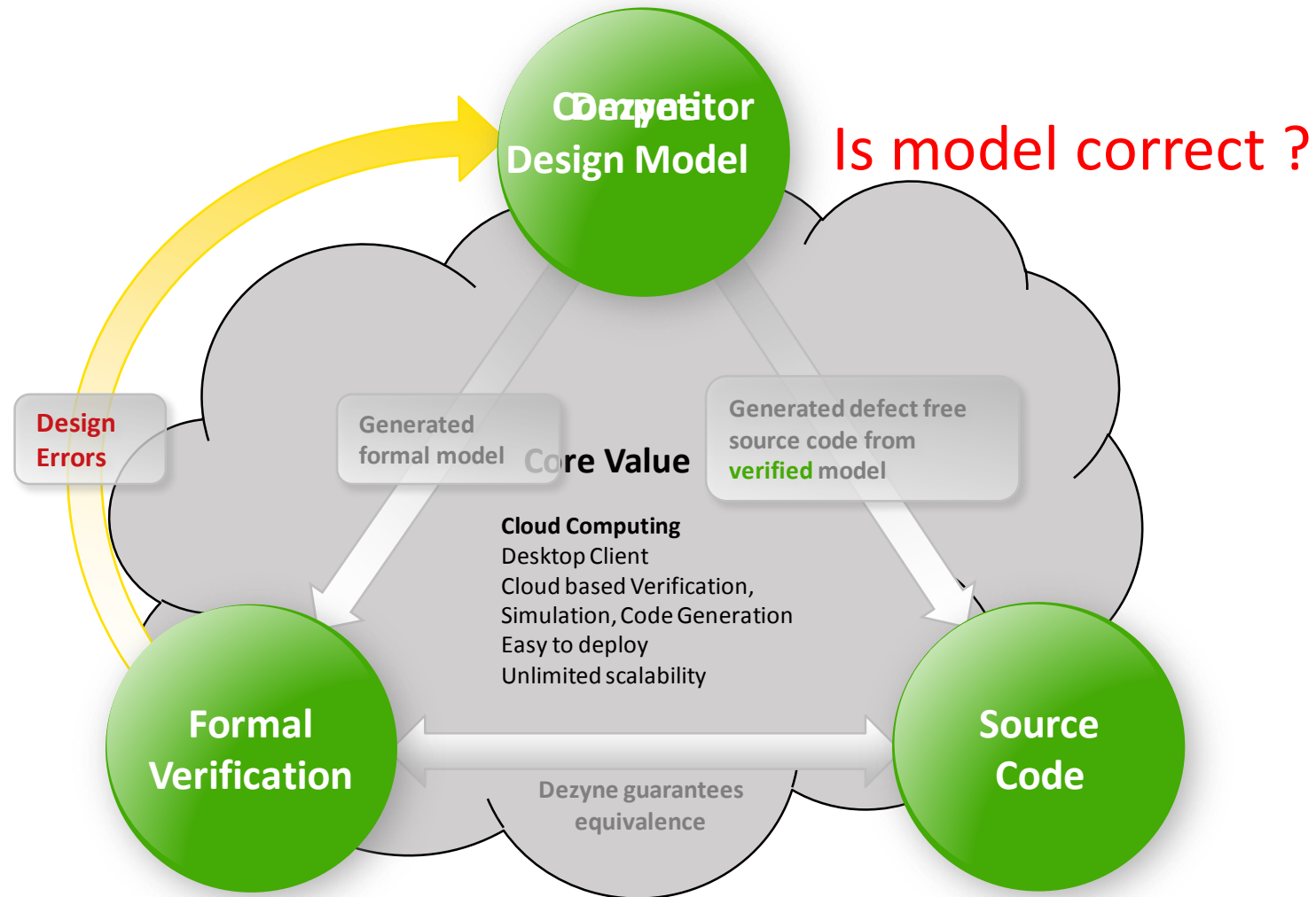
# Experiences with Dezyne

- ✓ Find behavioural errors early (Simulator)
- ✓ Find wrong paths or events
- ✓ Easier to correct behaviour
- ✓ More confidence in code
- ✓ System View is convenient





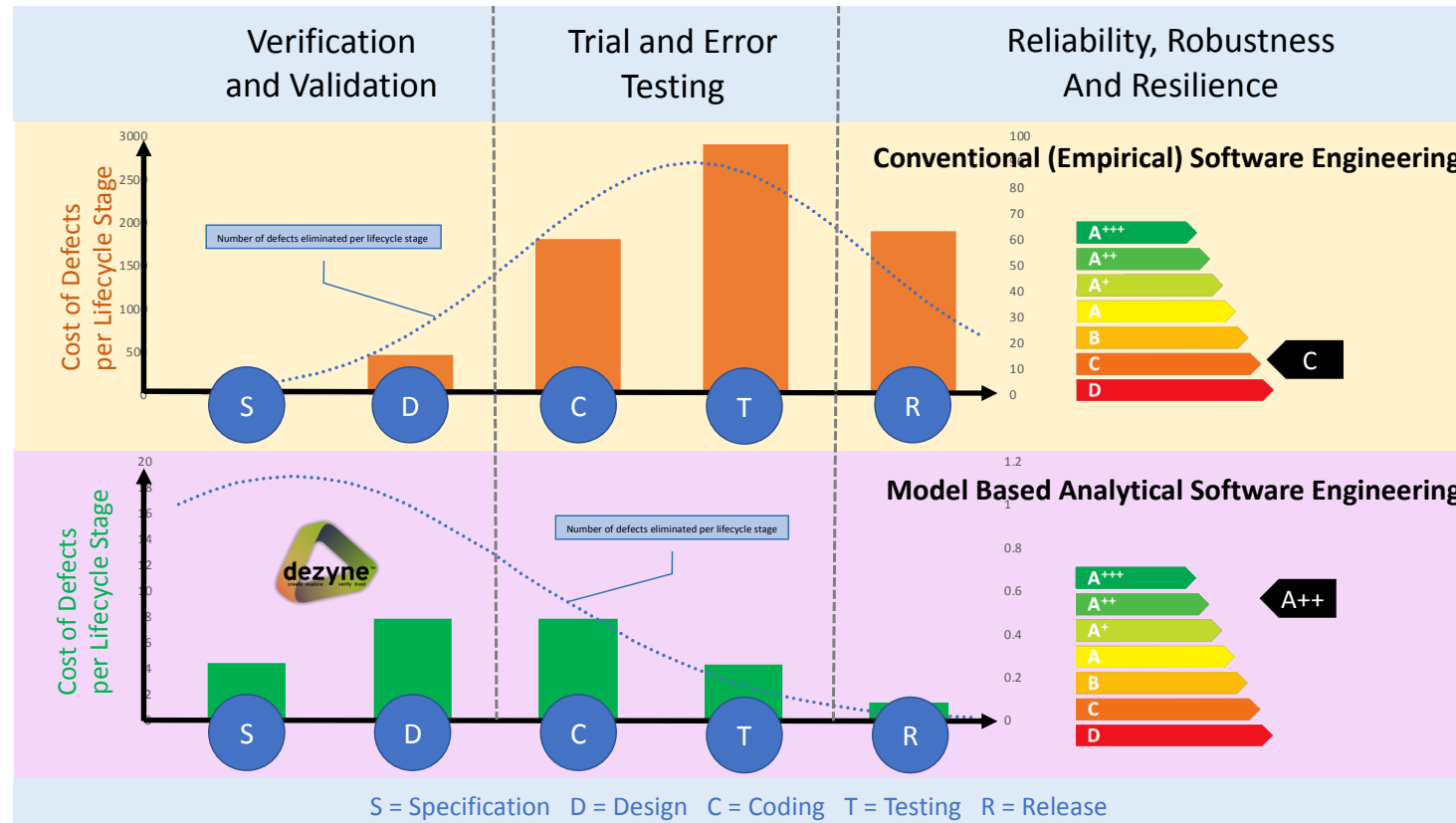
# How Dezyne is different



Dezyne models are:

- ✓ Consistent
- ✓ Complete
- ✓ Correct

# The Business Case for Dezyne



**Safe and secure software can only be realized based on strong foundations**

# Thanks for your attention

✓ Start your free trial of Dezyne: [www.verum.com](http://www.verum.com)



**DESIGN AUTOMATION & EMBEDDED SYSTEMS**

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