



AI Cars and No V Areas

Andreas Kreß (HOOD GmbH)

OLD BRIDGE NEXT TO A NEW BRIDGE



WHAT MAKES THE V-MODELL AN OLD BRIDGE?



- Software is eating the (old) world – so do SW development agile processes eat the V-Modell process
- AI cars show new requirements to bridge buildings which raises the need to build new bridges
- Physical car systems do no more use software as a subsystem – The software uses the car as a subsystem
- V – Modell is in the genes of the automotive development organisation – just to explode it away seems not possible
- Barry Boehm Modell (V) has been extremely exaggerated (to save 1\$ we pay 10\$)



BUILDING NEW BRIDGES



- Agile systems development is a good way to cope with the new system designs and market conditions.
- Examples from many fields exist examples see <https://www.hood-group.com/ask/agenda/>
- Agile Systems Development makes use of Scrum and Kanban, it uses advanced techniques of change and configuration control and it does focus on fast turn arounds (1 week) to have an advanced prototype under highly automated tests.
- Network organisation with flat dynamic hierachy and smart automated administration. Dominated by crowd work and code centric approaches. Social guidance is given by coaches and moderators.





NEW BRIDGE EARLY IN USE, OLD BRIDGE UNDER CONTROLLED DECONSTRUCTION

- Reuse „material“ like „requirements“ good practices, test driven approach, lean QS etc.
- Build a lean new bridge by reducing old work models and complicated process stuff
- Experiment with new approaches, give the transformation several tries
- Do not do a „course“ driven approach, like a „people trained on Scrum and then back to work“ strategy (look for a change of mind)
- Joint deconstruction and construction forces