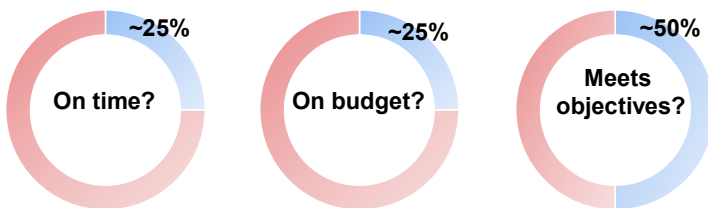


Wrong, but not failed? - Towards resilient engineering projects

Morten Wied, PhD project

Complex engineering projects in trouble

Most complex engineering projects are blindsided by unexpected events sometime in their life cycle. Effective opposition, economic turbulence, technical problems, partner pull-out, legislative change, new requirements, and early obsolescence are typical 'plan breakers'. In fact, most complex engineering projects are underperforming:



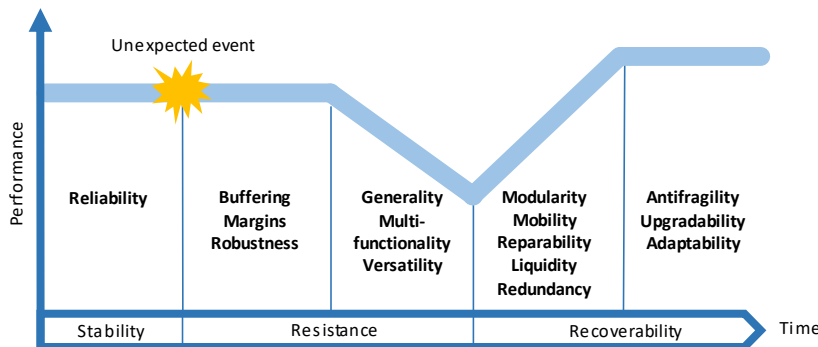
Exploring an alternative to foresight and luck, this thesis investigates the properties of projects able to resist or recover from unexpected events, without the need to foresee them.

The research question

Why do some complex engineering projects fail, while others succeed, despite, or even because of, unexpected events?

Towards more resilient projects

Through the lens of resilient systems theory, the thesis investigates the properties of projects able to resist or recover from unexpected events, without the need to foresee them. These are some of the properties involved:



Expected results

Expected results are a theory of resilient projects, and practical prescriptions for increasing the resilience of complex engineering projects.



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