

ANALYSIS OF THE LIFECYCLE OF MODELS

MGI Group Meeting September 17th, 2019

SOFTWARE QUALITY.
IN CONTROL.

SOLUTIONS FOR INTEGRATED QUALITY ASSURANCE
OF EMBEDDED SOFTWARE

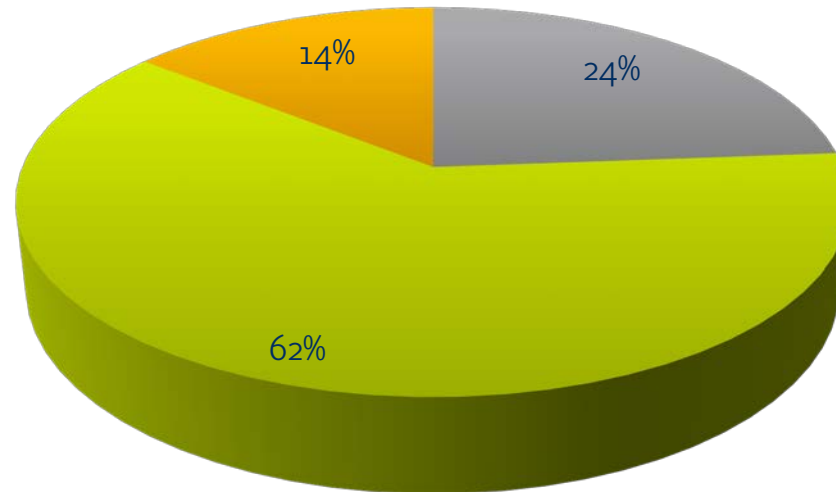


- Questions?
 - Ask at any time
 - Please check whether or not you are on mute.

- You will receive the presentation afterwards by e-mail

- Presenter: Sophia Kohle

How long is the average lifecycle of a model in your project until series production starts?



■ < 2 years

■ 2 to 5 years

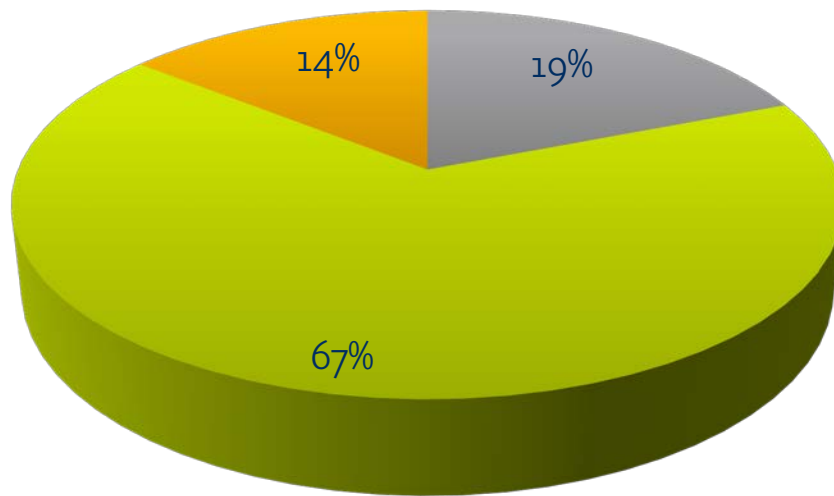
■ > 5 years



Your Feedback

22 answers as of September 17, 2019

How long is the average project duration?



■ < 2 years

■ 2 to 5 years

■ > 5 years



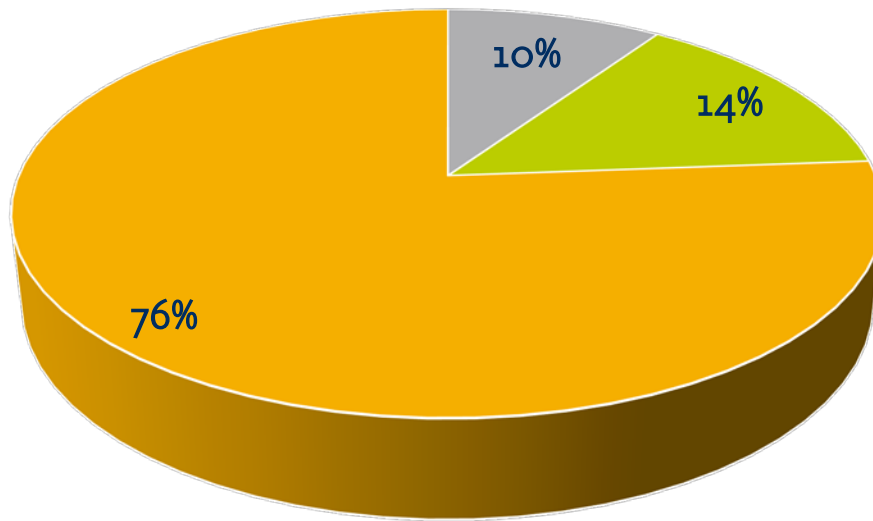
Your Feedback

22 answers as of September 17, 2019

Discussion:

- Seems to be related to model lifecycle.

How often are the models reused?



■ Never

■ Once

■ Often

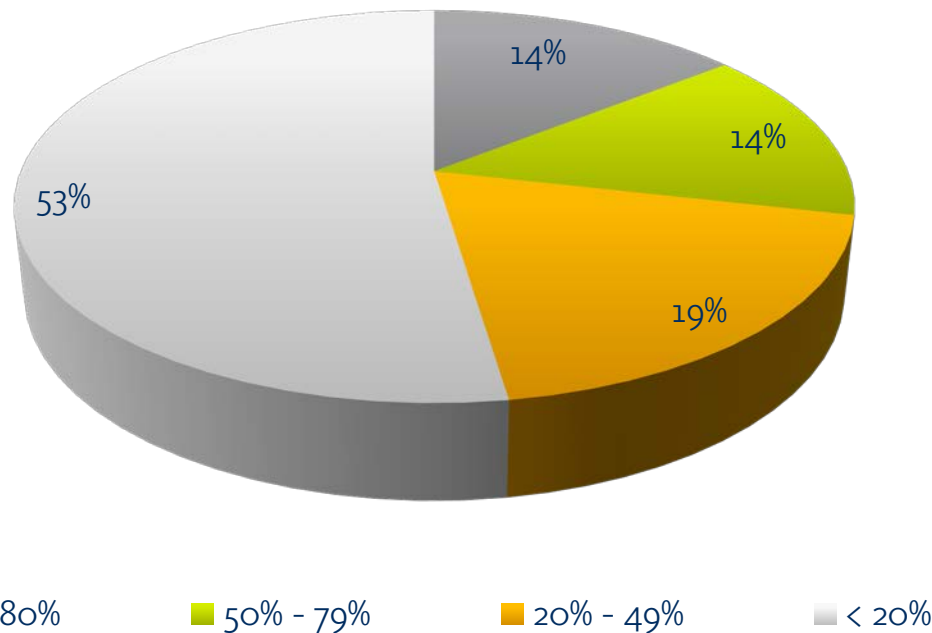
Your Feedback

22 answers as of September 17, 2019

Consequences:

- What is the process for reusing models?
- Are there specific criteria/quality gates for reusing models?

How many models are developed after series production?



Causes:

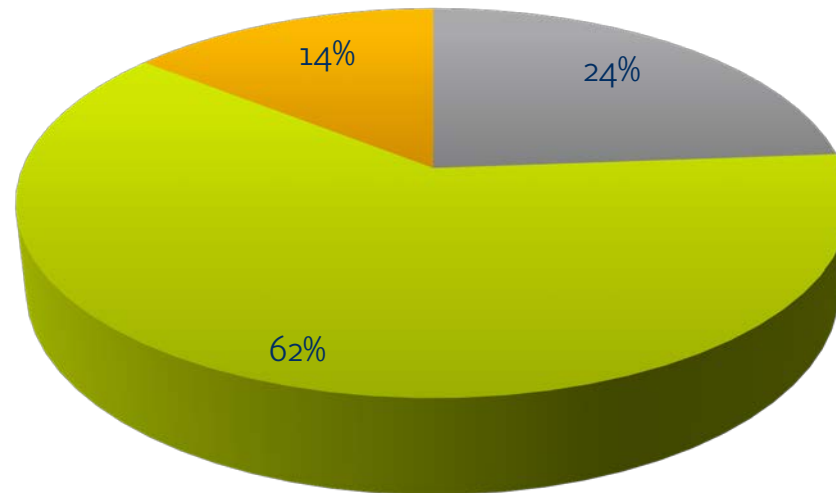
- What kind of changes are applied?
- How are criteria defined to allow for changes?
- Are models changed according to the current QA measures?



Your Feedback

22 answers as of September 17, 2019

Does it ever happen that the architecture of a model has to be adjusted after series production?



■ Frequently

■ Rarely

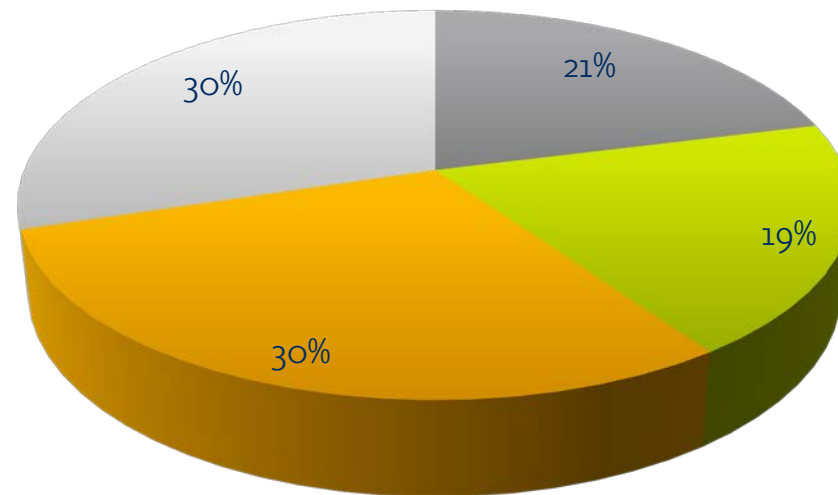
■ Never



Your Feedback

22 answers as of September 17, 2019

Which changes are implemented?



6 answered all options

- Architectural changes
- Request changes

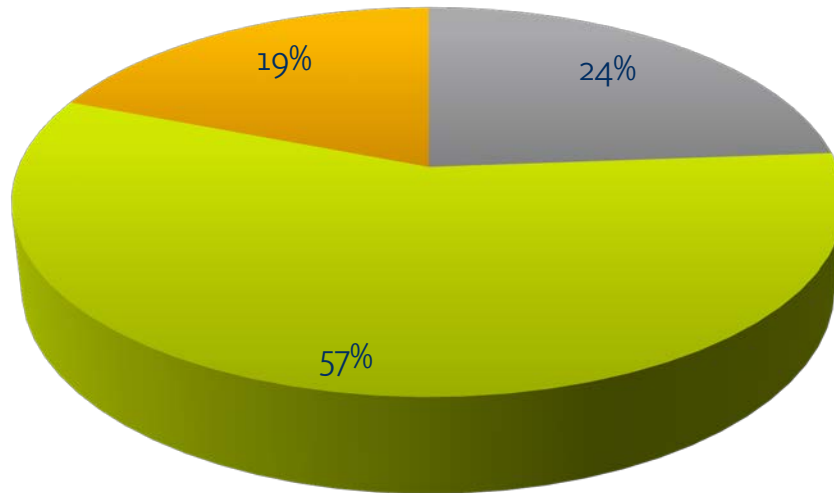
- Migration to the new toolchain version
- Bug fixes



Your Feedback

58 answers as of September 17, 2019

How many employees work on the same model?



■ 1-3 employees ■ 3-5 employees ■ More than 5 employees



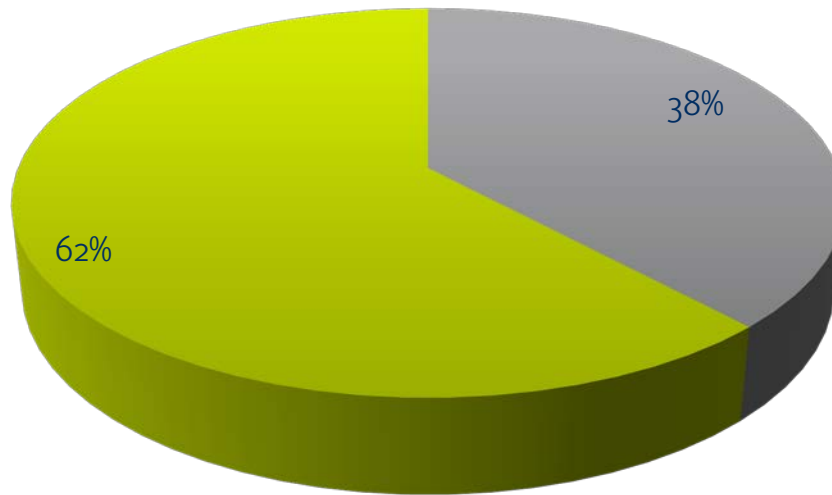
Your Feedback

22 answers as of June 11, 2019

Trends:

- Has this changed within the last years?
- Which difficulties do you face in distributed development and how can these be overcome?

Did you create or adopt the model you are currently working on from the beginning?



■ Created it myself

■ Took it over



Your Feedback

22 answers as of September 17, 2019

Discussion:

- How old are the models?
- What circumstances help to take over a model and which ones do not?

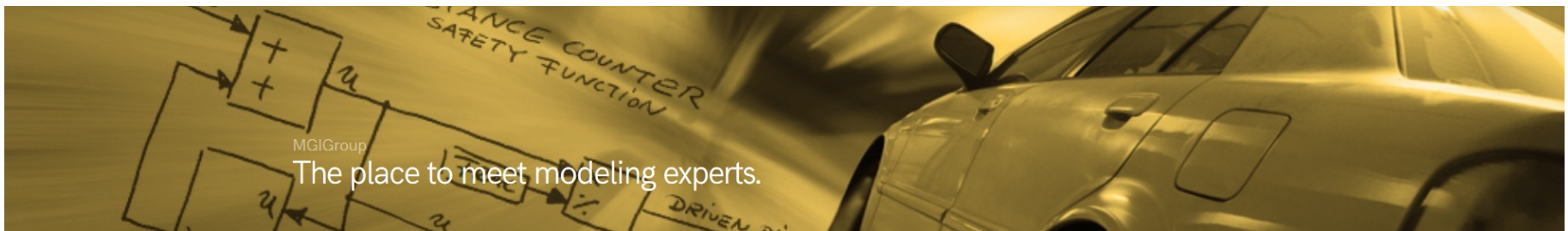


□ Tuesday, December 3, 2019

- 3 p.m. CET (Berlin)
- 9 a.m. EST (Detroit)
- 7:30 p.m. IST (Bangalore)
- 10 p.m. CST (Beijing)
- 11 p.m. JST (Tokyo)

□ Registration:

- <https://model-engineers-event-en.webex.com/model-engineers-event-en/onstage/g.php?MTID=e4b7foc651coc7c28odc4ea3754ccf7f7>



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