



EUROPEAN  
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ASSOCIATION

# The jobsite of the future

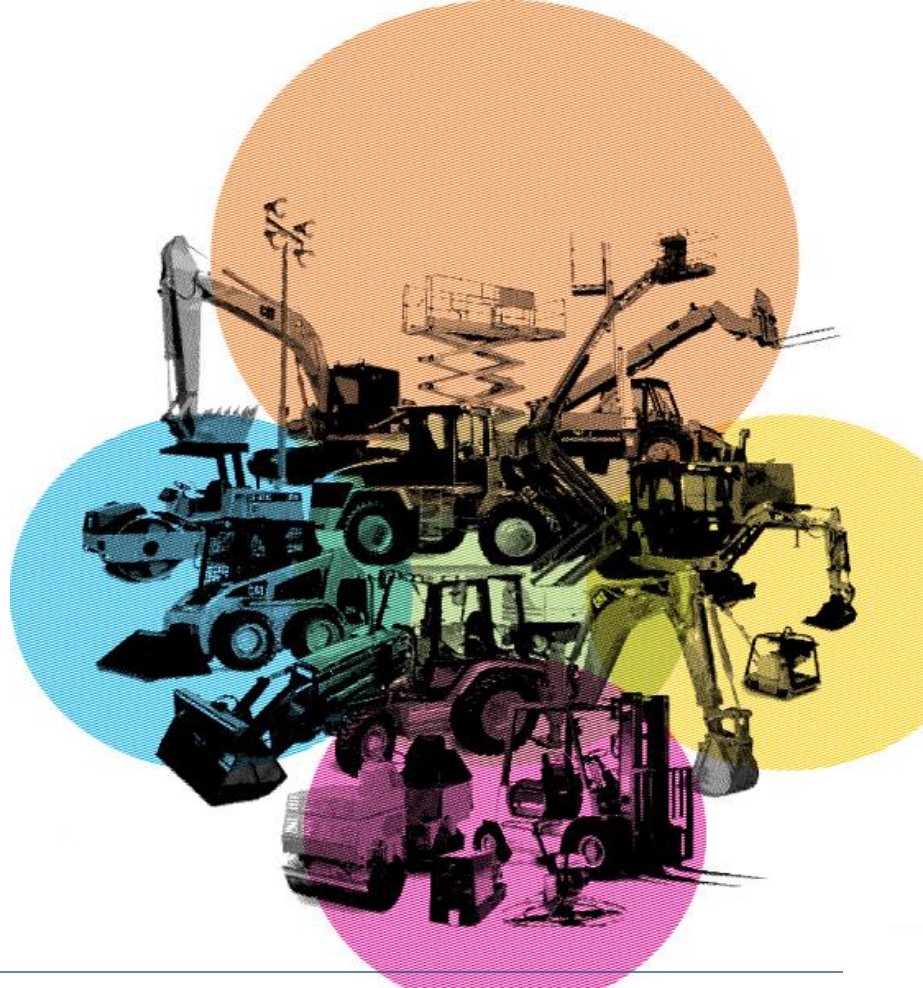
Influence of BIM in construction

*Frank Dahlhoff*

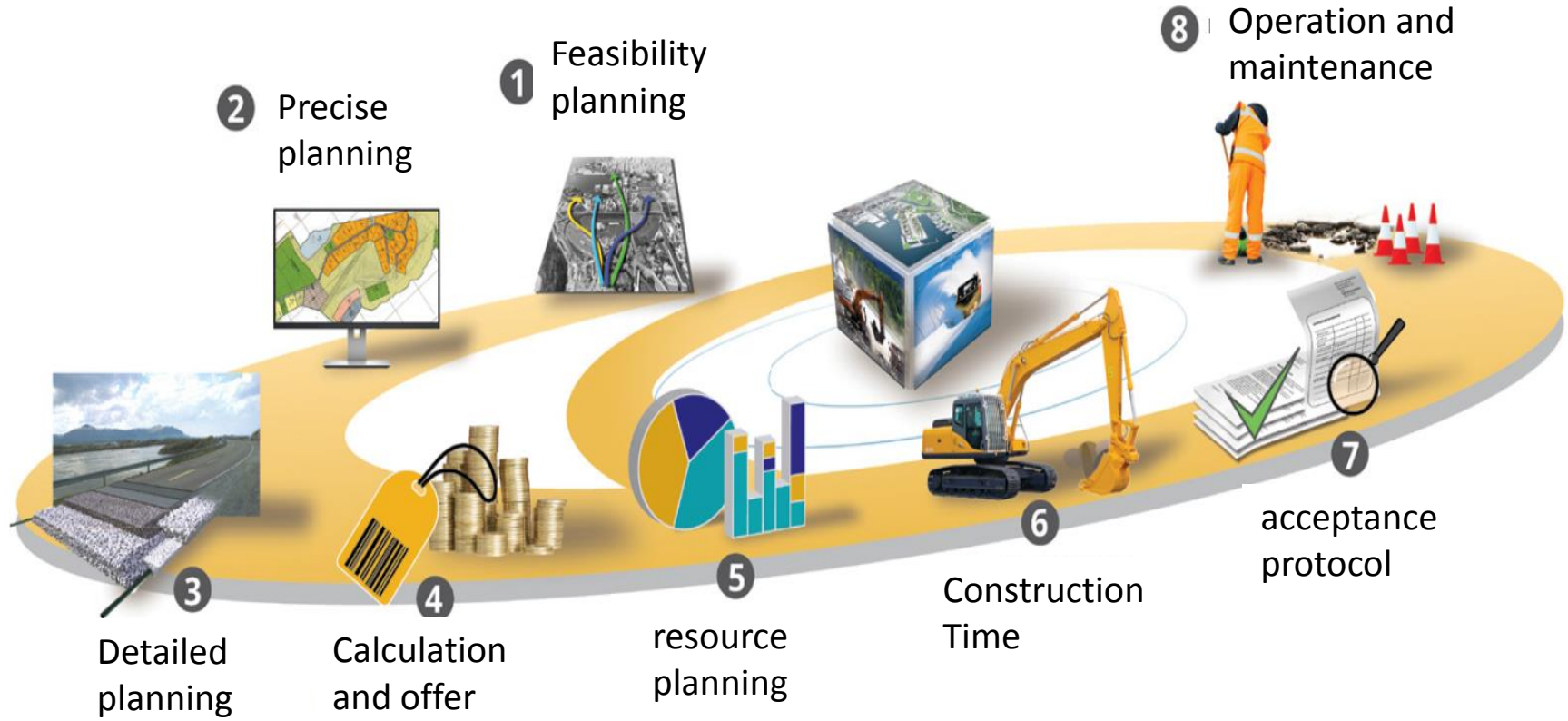
*SITECH Deutschland*

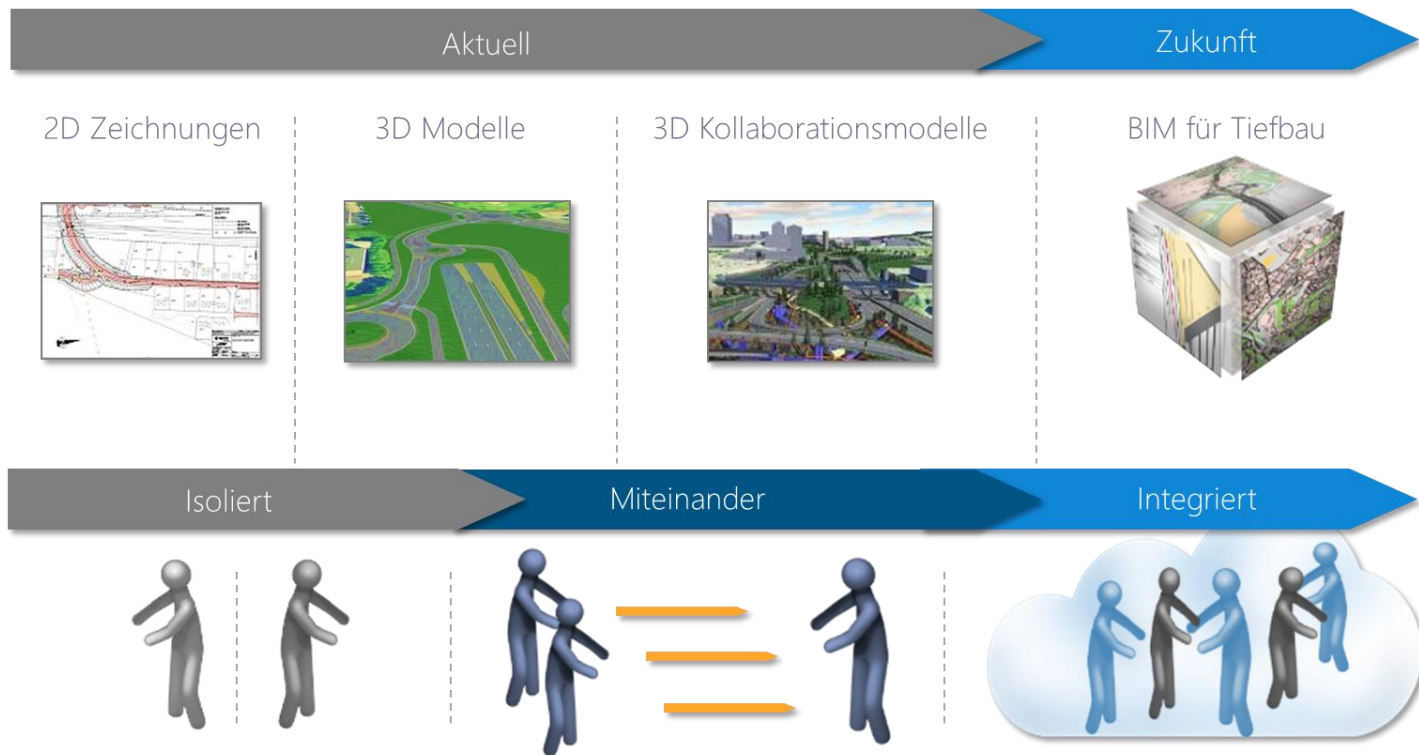


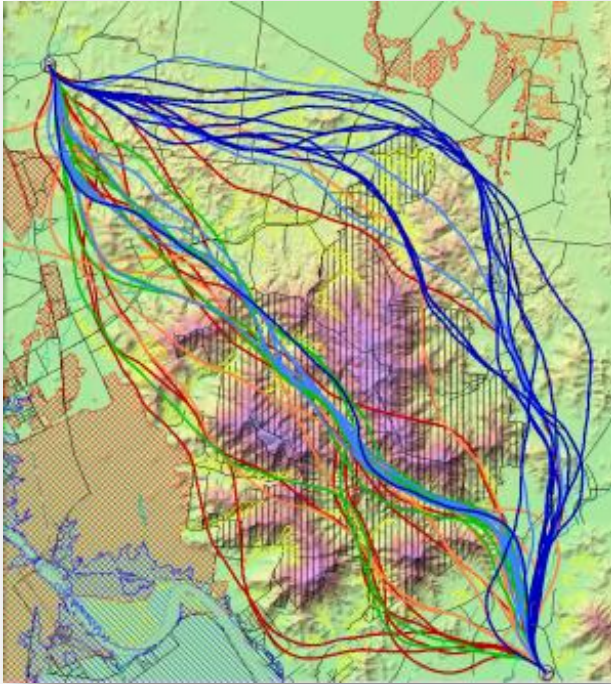
*Please react on Twitter, @era\_rental*



ERA Convention 2018, "TOMORROW'S CUSTOMERS", Vienna, 23 and 24 May

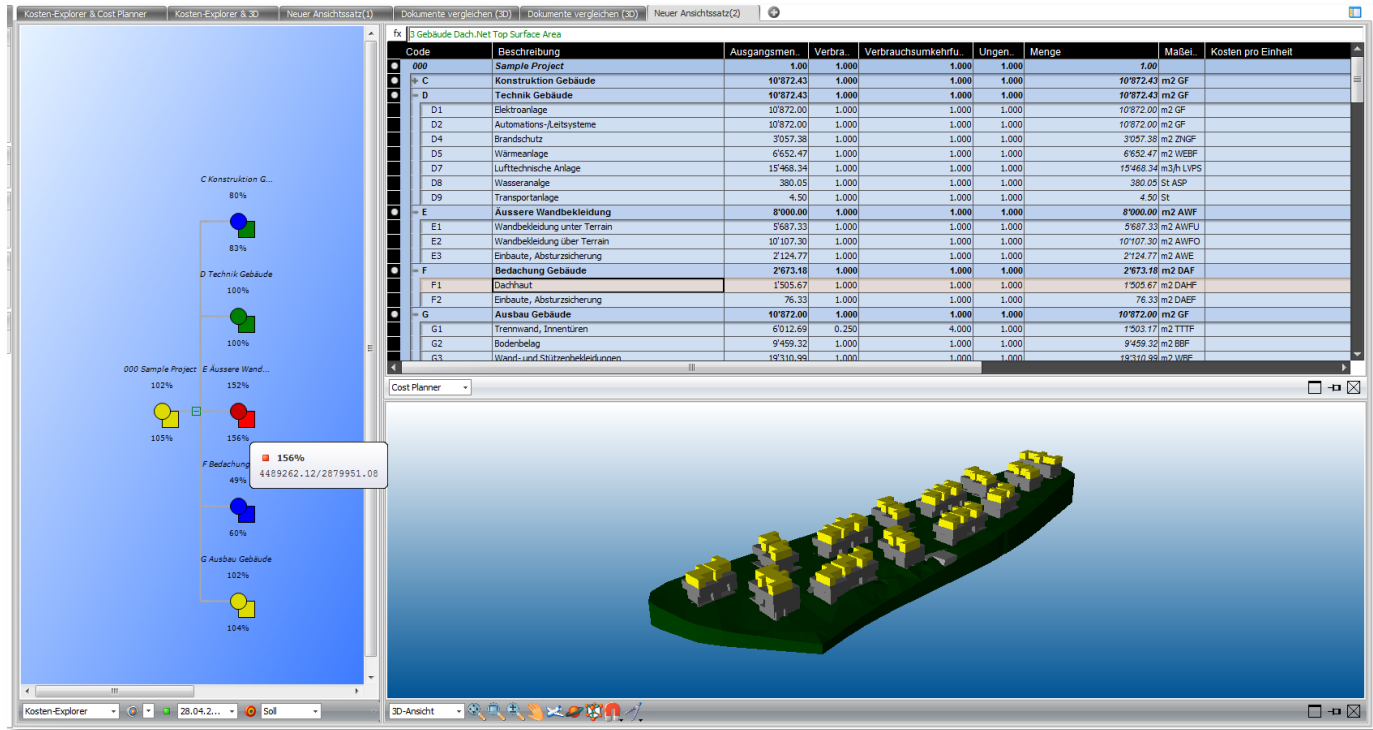




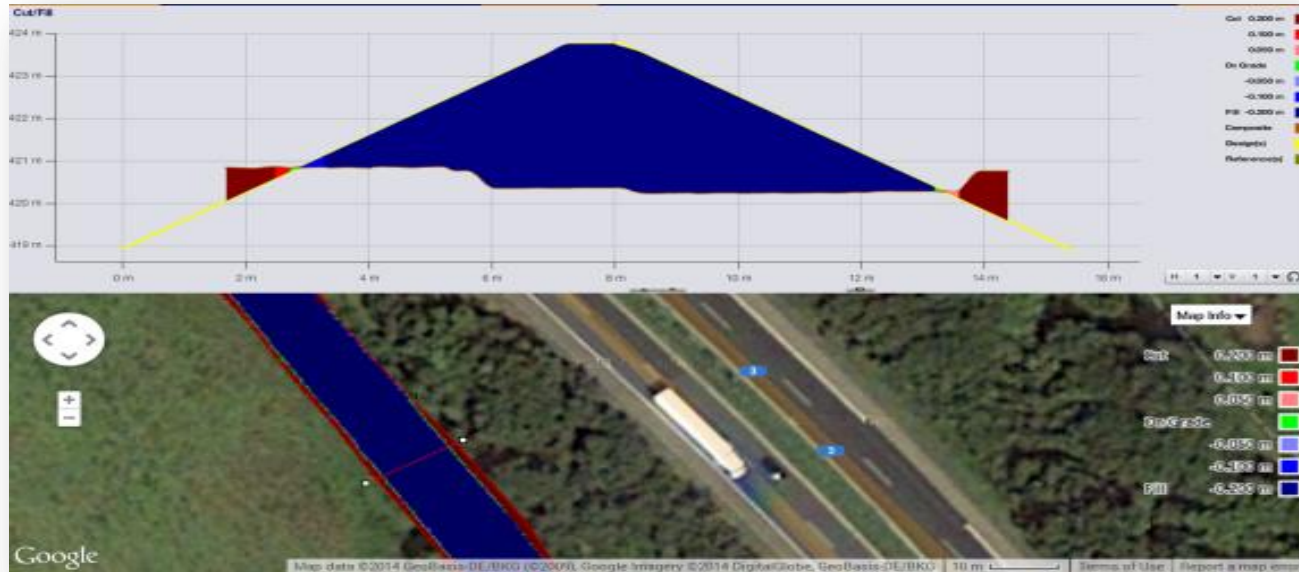


- Data comes from networked databases
- The feasibility can be simulated according to various criteria
- The simulation is possible in near real time

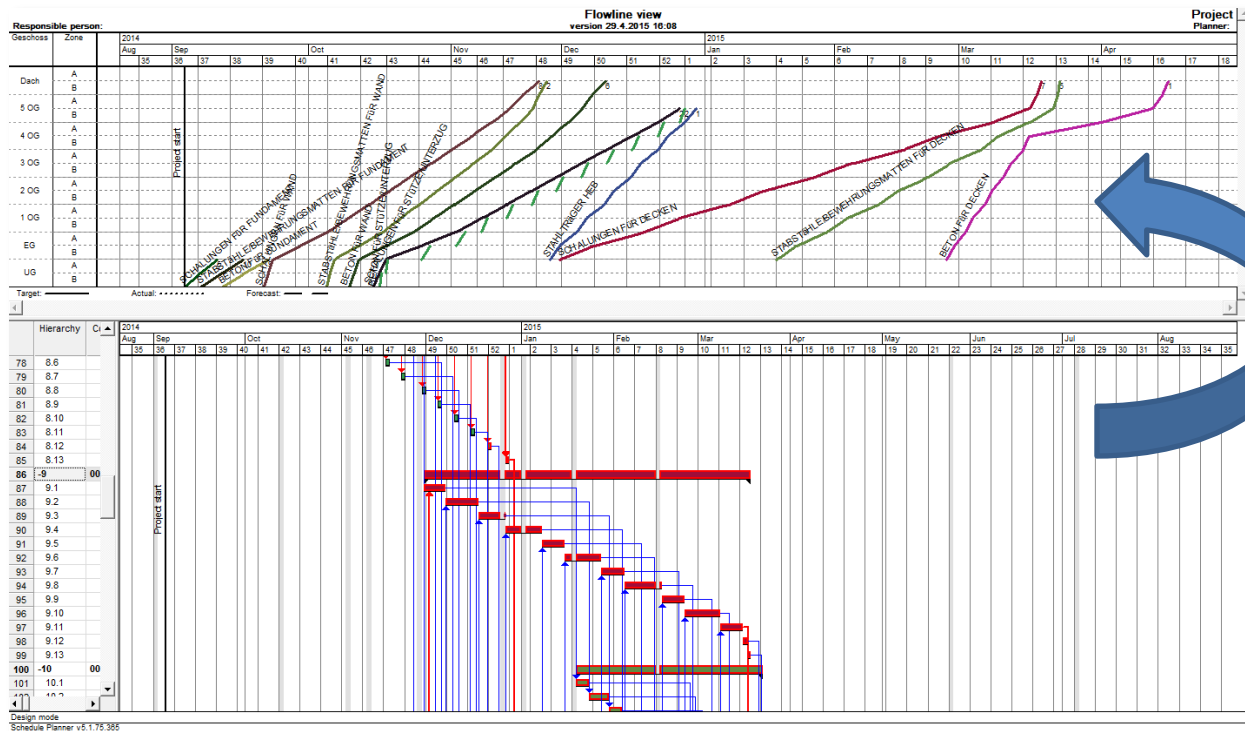




Early inclusion of the masses and possible cost risks



Precise planning of  
the mass movement  
as a simulation with  
costs and schedules



- „Reverse engineer“ from CPM Schedule

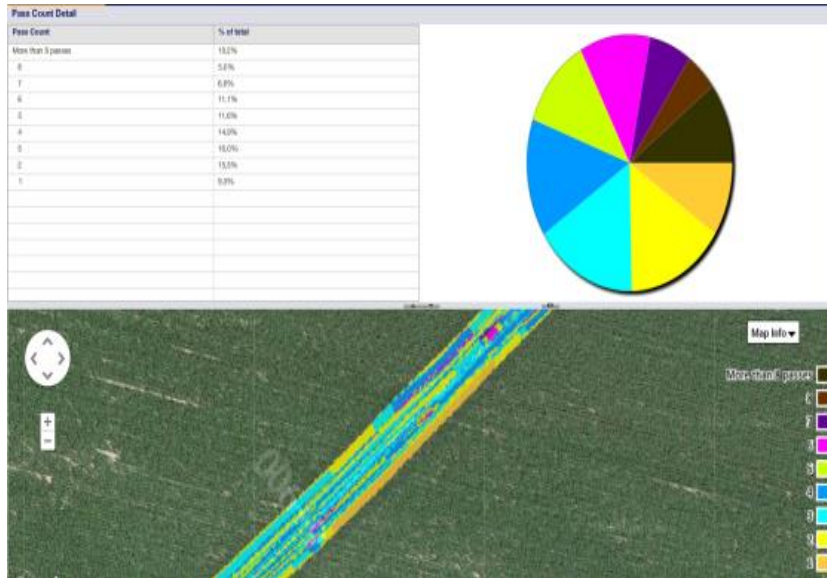


- Use of virtual reality
- Remote control of construction machinery
- Robot for repetitive processes

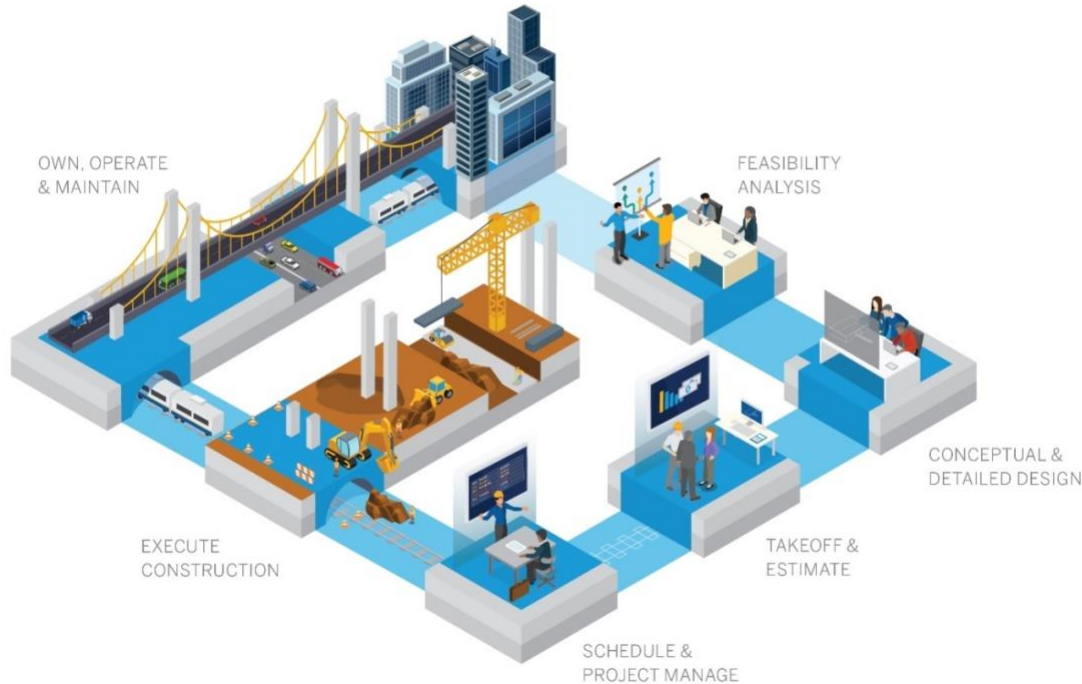




## Example completion control



Online control of work progress  
and quality



- now included in the total cost
- Maintenance instead of repair
- total support

- The technology is available -There are already a variety of solutions today. We must succeed in adapting the solutions to our requirements and finally using them
- The digital transformation requires a cultural change for the companies Something must also be risked, a TRY and ERROR mentality is required where decisions are promptly questioned and corrected
- The future is open, there is not one right way
- Prerequisite and greatest challenge is the collection and provision of suitable data
- A platform for data transfer - BIG DATA - must being constructed

- There is a chance for the construction industry to handle projects holistically in the future
- Expansion of value creation for the construction company
- Digitization is also a challenge for all employees:
  - The employees must be involved
  - You can and should actively support the future working environment
  - Digitization can also be a solution for this be demographic change
  - The attractiveness of the industry can be increased and the
  - Another job profile will help to find new employees for the job



- Expanded reality
- Increasing networking
- Digital world

<https://www.youtube.com/watch?v=VHcmBnBDt8g>



# Questions?