

BIM conference –EBTG/Statsbygg Digital twin in Statsbygg

Leiv Engelschiøn/ClO Oslo, 28.8.2019

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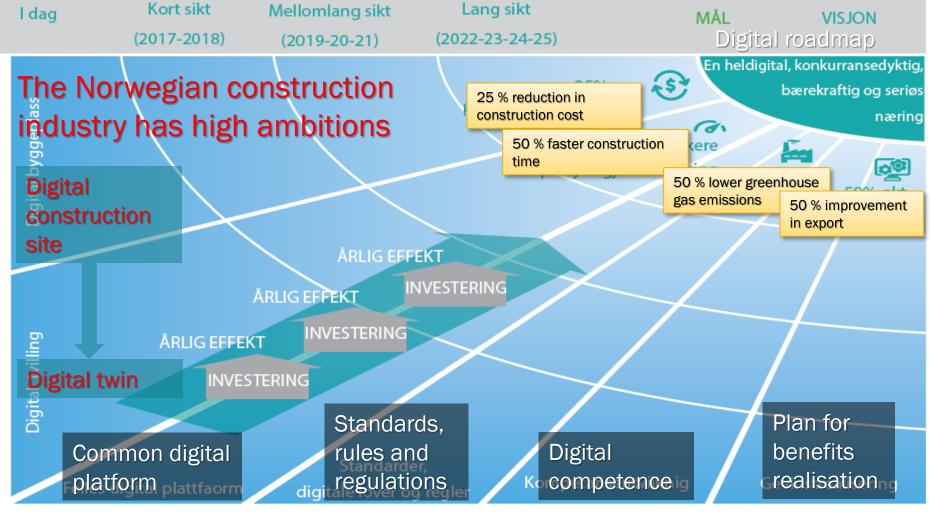
... so the answer is Digital twin ... but what was the question?

The question is: <u>why</u> a **Digital twin?**



Ambitions

1.1.2



FORUTSETNING



20 % reduction in facility management and operations cost

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Ambitious goals requires dramatic changes

New ways of collaborating

Digitalisation

Robotisation

Artificial intelligence

Analytics

Digital twin





What is a digital twin?

STATSBYGG

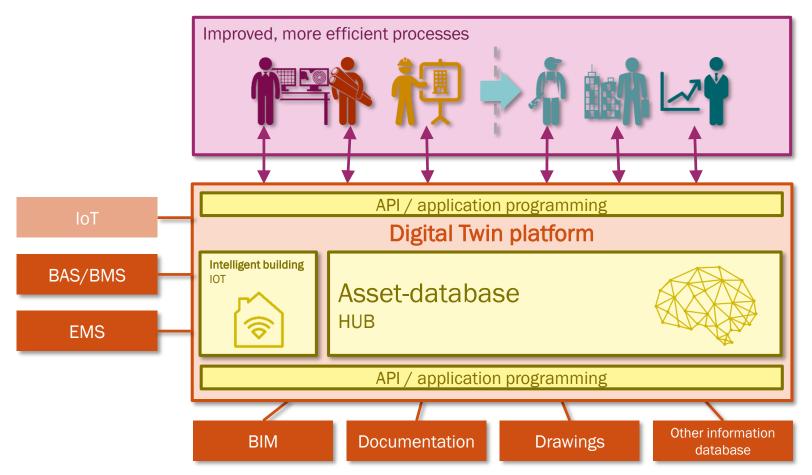
Statsbyggs' definition of a Digital Twin

"A digital replica of the building that contains all necessary information or reference to the information covering all needs throughout the lifecycle of the building, made available for the user where, when and in the form the information is needed"

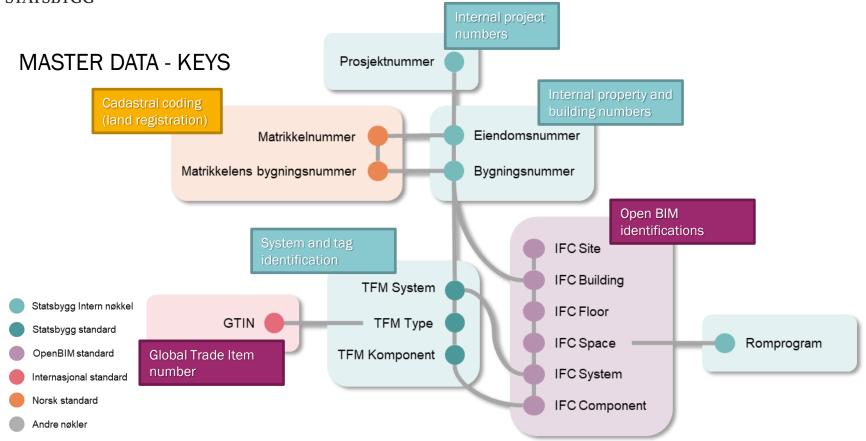




Statsbyggs' digital twin architecture







What are the potential benefits of a digital twin?





Information at your fingertip

visual maintenance instructions

Maintenance

Preventive maintenance

Remote maintenance SERVICE AUGMENTED REALITY

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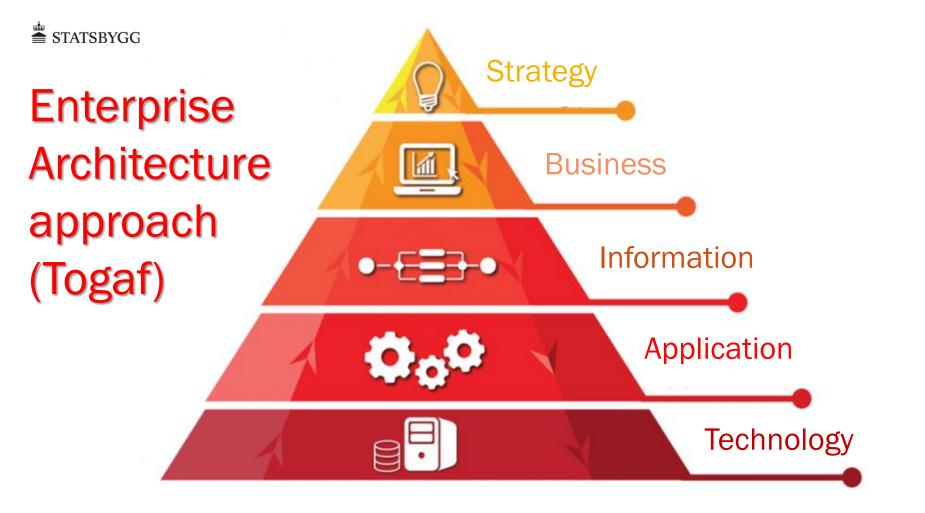
Support

(?)

Maintenance as-needed

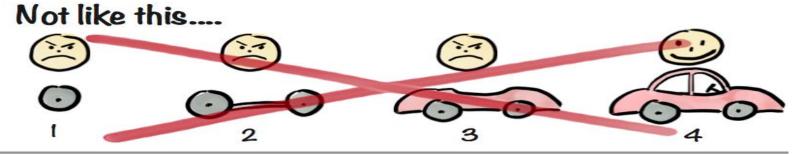




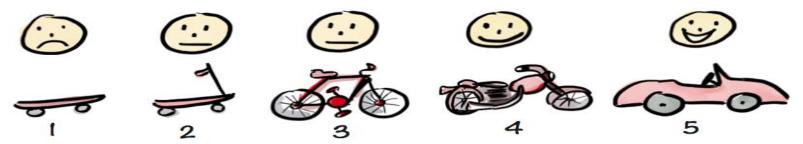




Benefit realisation – step by step



Like this!



STATSBYGG

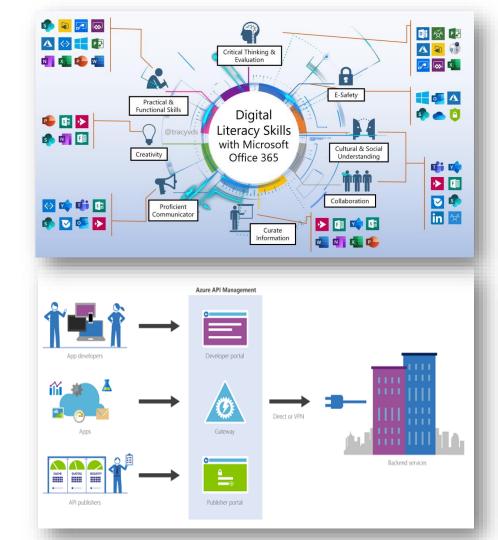
Some strategic choices:

«Cloud first»

Office 365 for collaboration

Open API

Azure APIM and security platform





Statsbygg approach to digital twin

