

Managing construction projects in a 5D⁺ world

Dr.-Ing. A. Ripberger
sfirion AG, Munich

structure

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- 3. Our 5D⁺ world**
- 4. The design phase**
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1. Introduction

Why should design and construction processes be 5D⁺ visualized?

=> to accelerate decision-making processes

1000 Tage Nichteröffnung Stationen des BER-Desasters im Comic

Satirischer Rückblick auf 1000 Tage Nichteröffnung des BER. Berlins
Grünen-Fraktion stellt ein
Karikaturen-Poster vor. Eine schräge
Sammlung des Versagens.

24. Febr. 2015



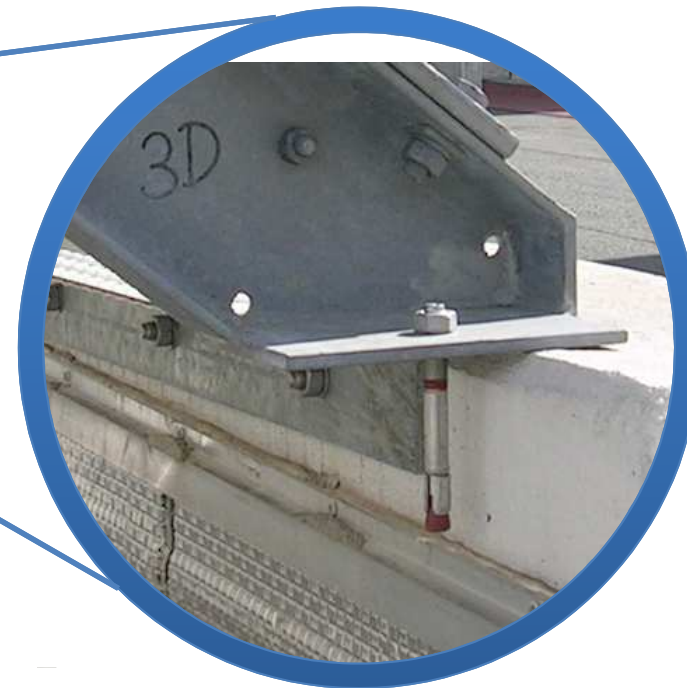

=> to optimize management of processes



Dec. 2013, Road construction in India (Himachal Pradesh):

Bituminous mixing plant for road pavement

=> to avoid errors and achieve higher quality, cost and time savings



Dez 2014, Power plant in
the Caribbean Island:

- plant design in 3D
- civil design in 2D

2. The company

Dr.-Ing. Albert Ripberger

Education

Technical University of Munich – Civil Engineering (Dipl.-Ing.)
Graduation as Doctor of Engineering (Dr.-Ing.)

Profession

Project Manager for Infrastructure Major Projects
Founder and CEO of sfirion AG, Munich

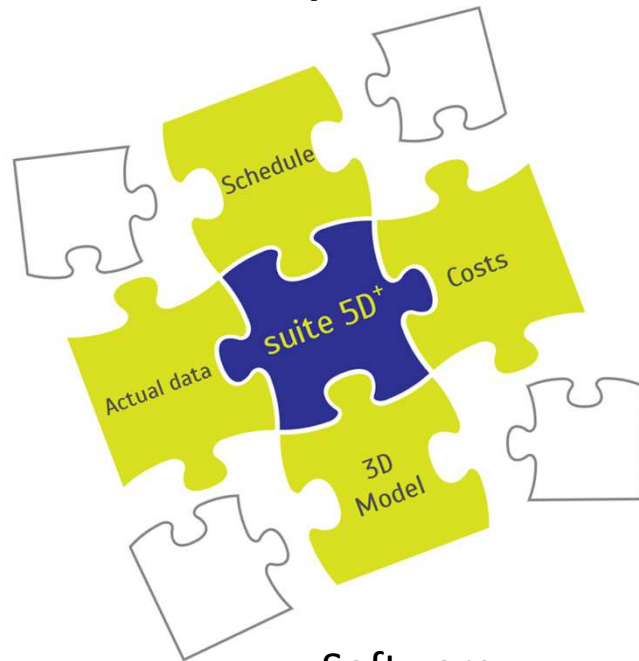
- consultancy services in construction and plant engineering
- software development

Lectureship

- HFT Stuttgart
- University of Applied Sciences Biberach



Services and portfolio



Consultancy Services

- project control and project management,
- contract and claim management,
- documentation (as-built, maintenance)
- organizational and it-consultancy,
- visualization of planning and construction phases

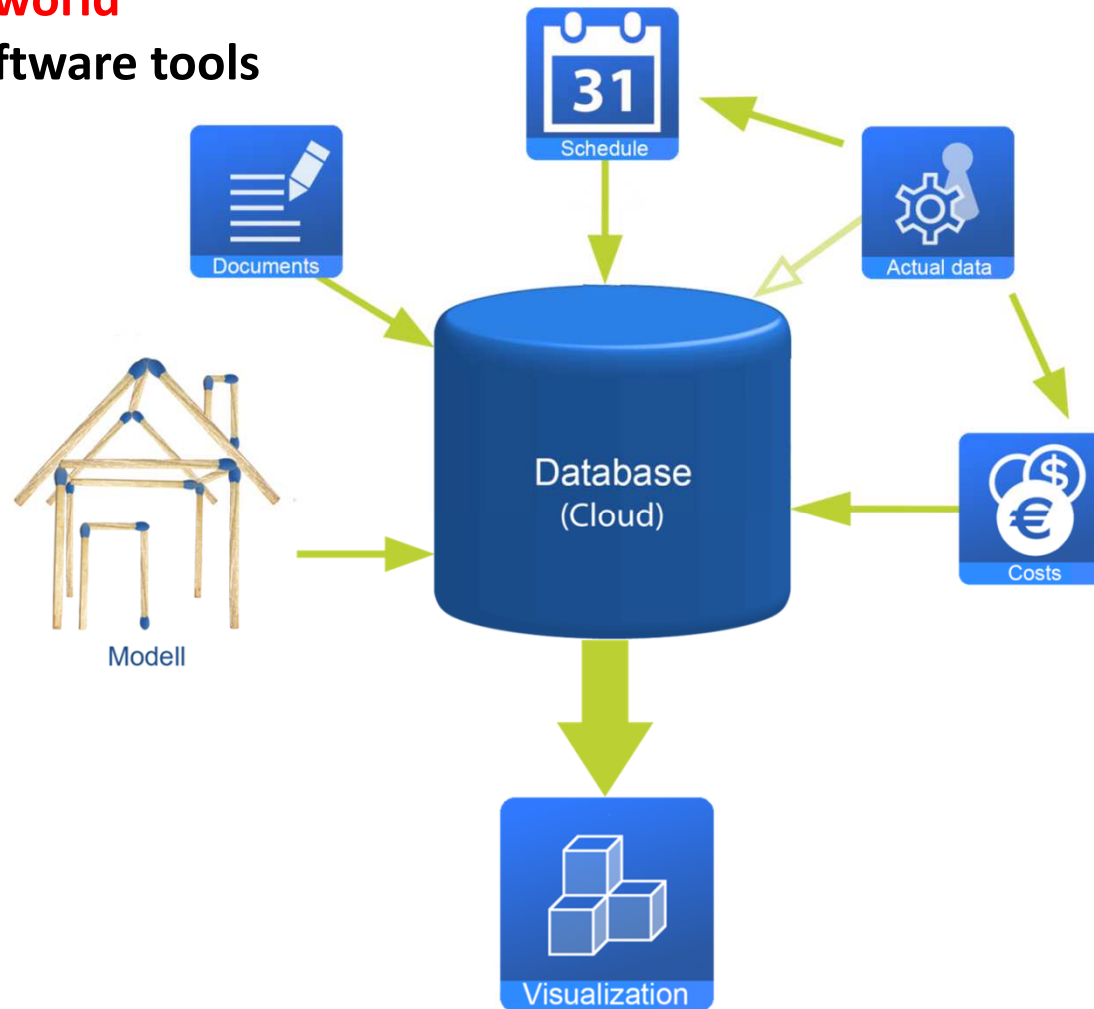
Software

- document management
- financing, fund management and cost control
- project diary
- 5D+ visualization
- control and monitoring

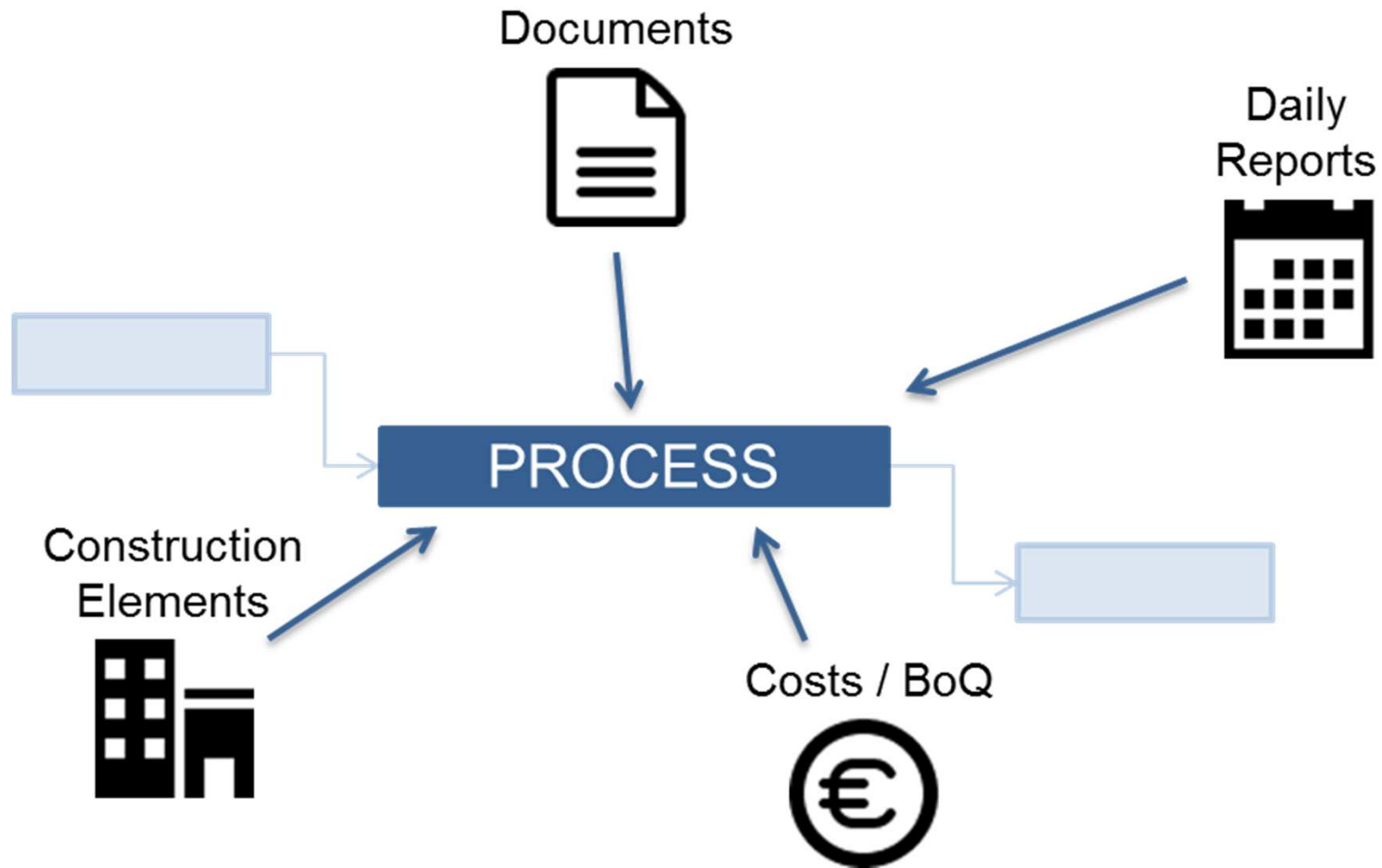


3. Our 5D+ world

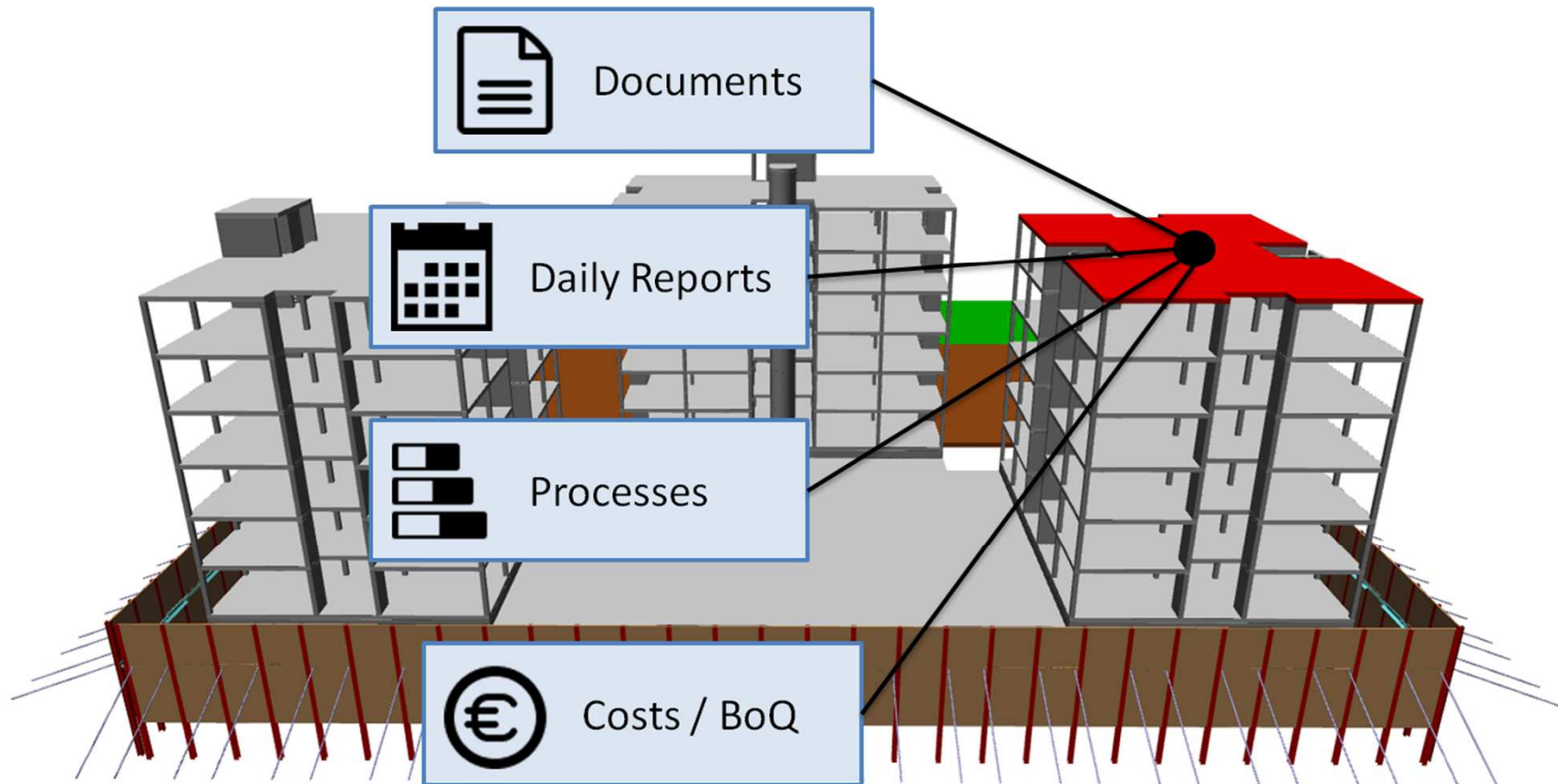
Needed software tools



Process oriented data structure for project management

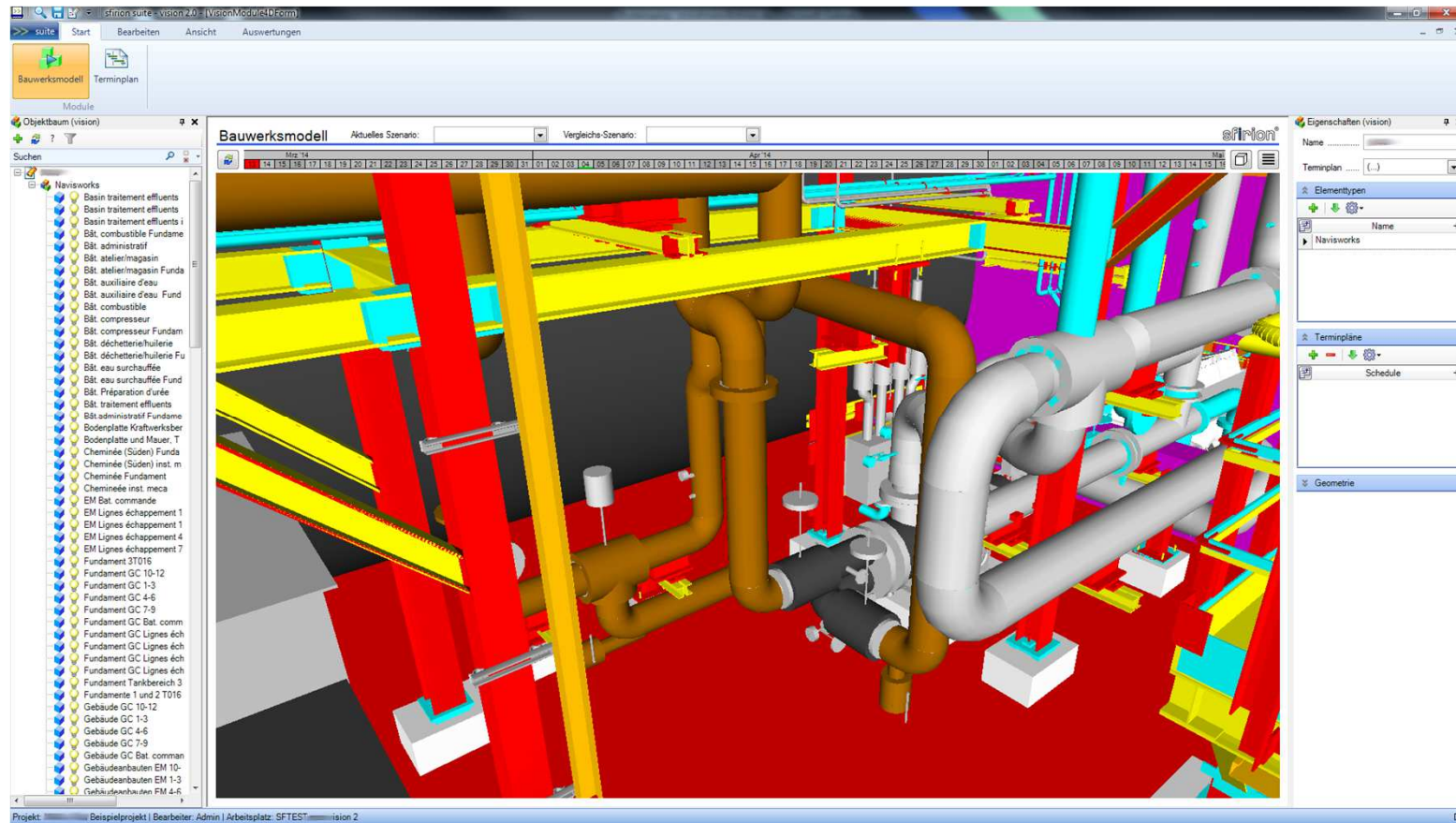


Visualization of project management data by linking the building elements

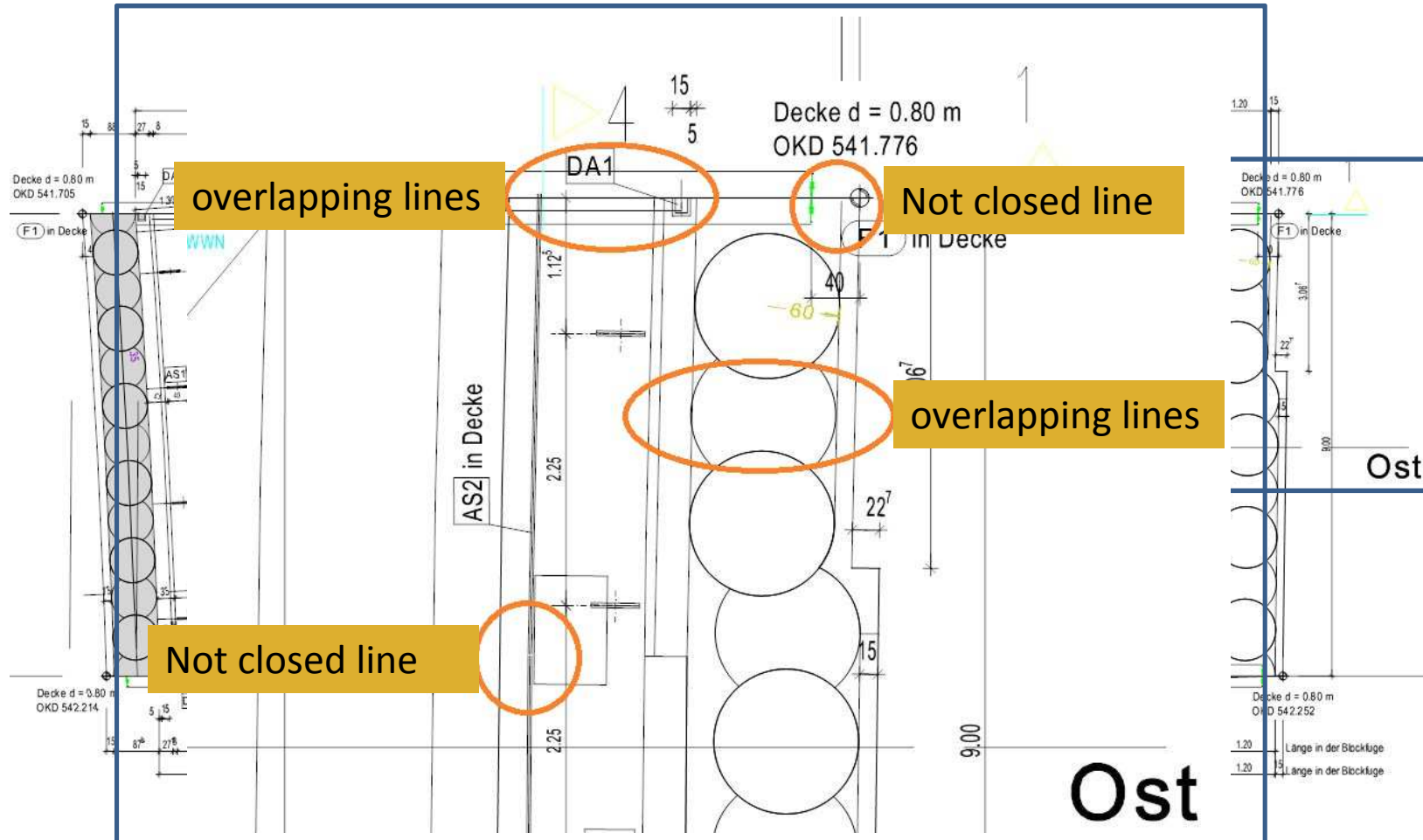


4. The design phase

State of the art in plant engineering



State of the Art in construction engineering



5. Project supervision, project control and documentation clip diary



clip diary

sfirion[®]

clip management data and analysis



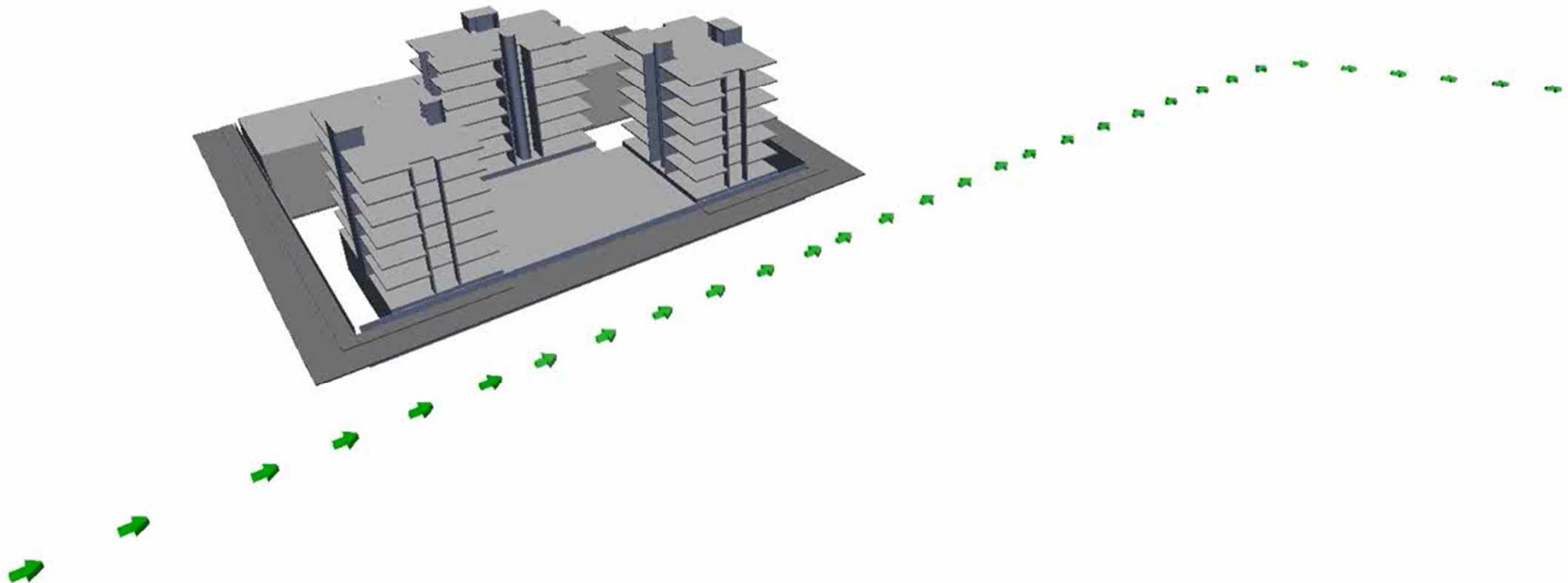
clip management data and analysis



clip traffic flow

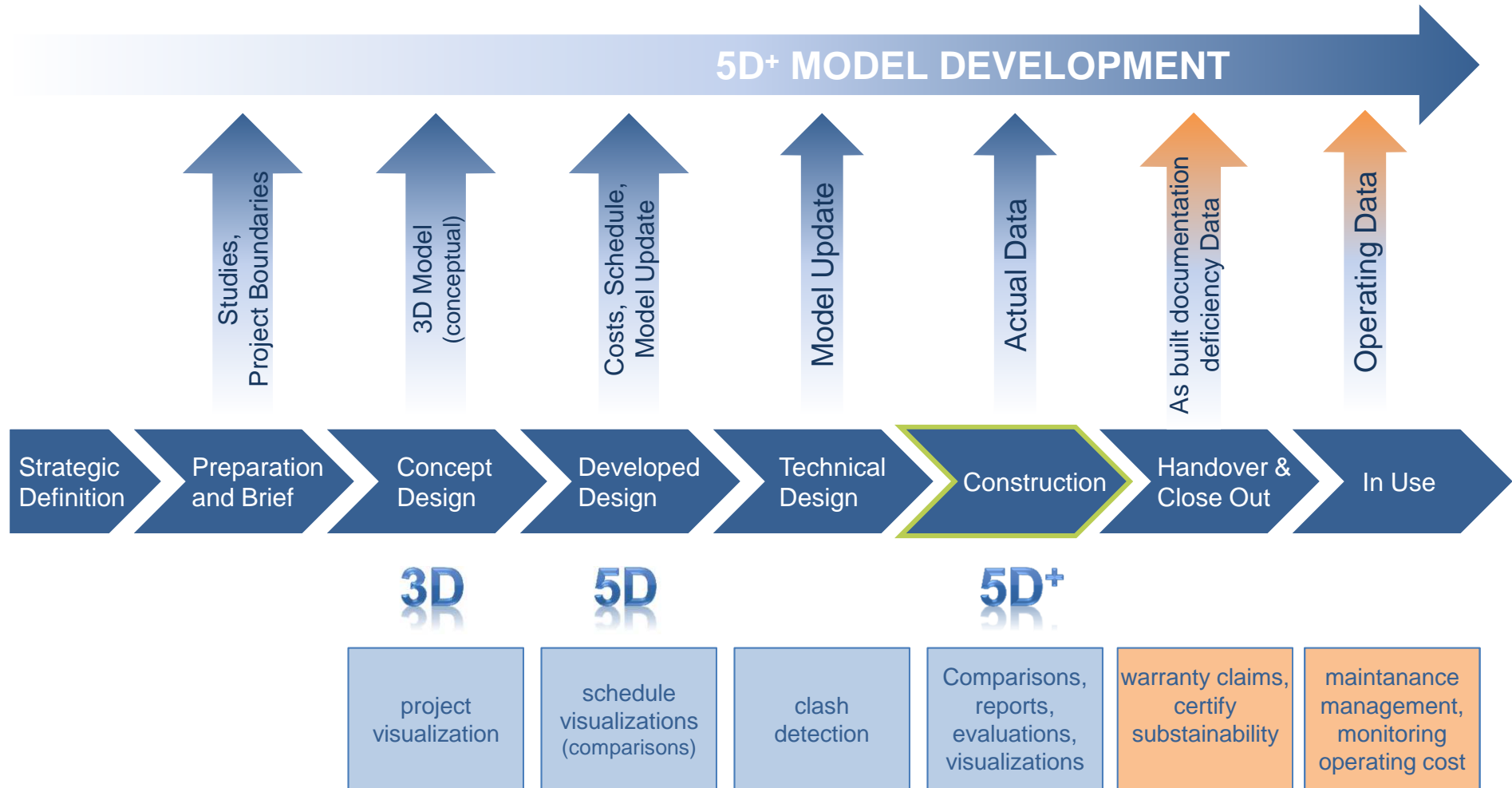
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Aufgezeichnet am: 30.04.2015

6. Your benefit



**Thank you for your attention
and see more about 5D⁺ on our
website www.sfirion.de**