

docu tools

Automation benefits for construction processes

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Challenges for process optimization

- Decentralized data
- Conflicts of interest
- Multiple parties

Our first “Use Case”



Vienna Int'l Airport, Terminal 3 aka “Skylink”

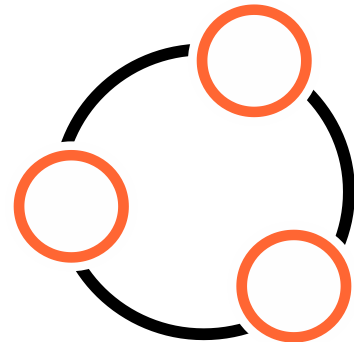
2009: construction stop • time pressure • high cost risks • 3,800 rooms • 1,000s of defects

Lessons learned



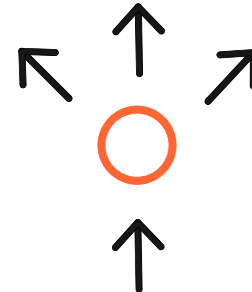
Big Data

Constantly increasing amount of data: plans, photos, etc.



Classification

Unstructured storage of data



Communication

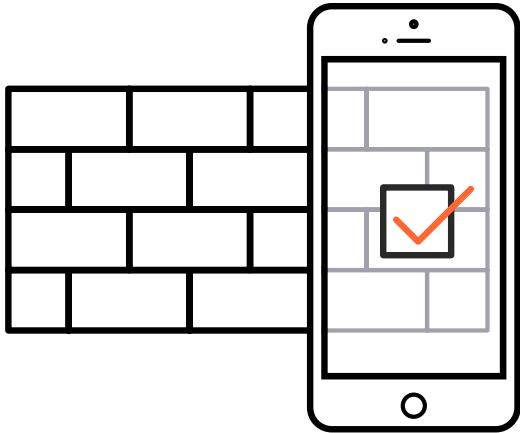
High effort to assign and monitor tasks



Security

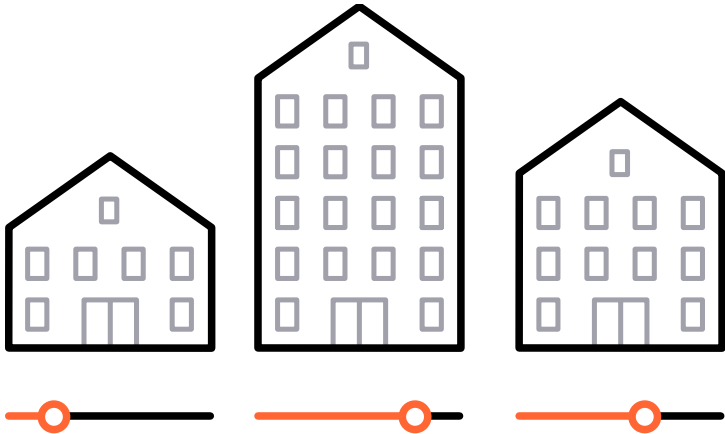
Lack of transparency and documentation

The process is ... always the same



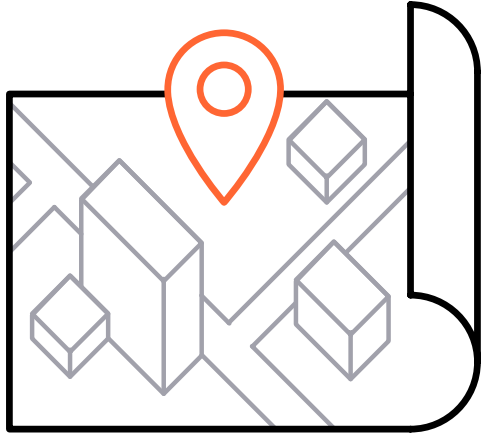
Planning

**Project management
Construction supervision**



Owners

**Facility management
Property management**



Cities, Municipalities

**Infrastructure
companies**

Key Learnings

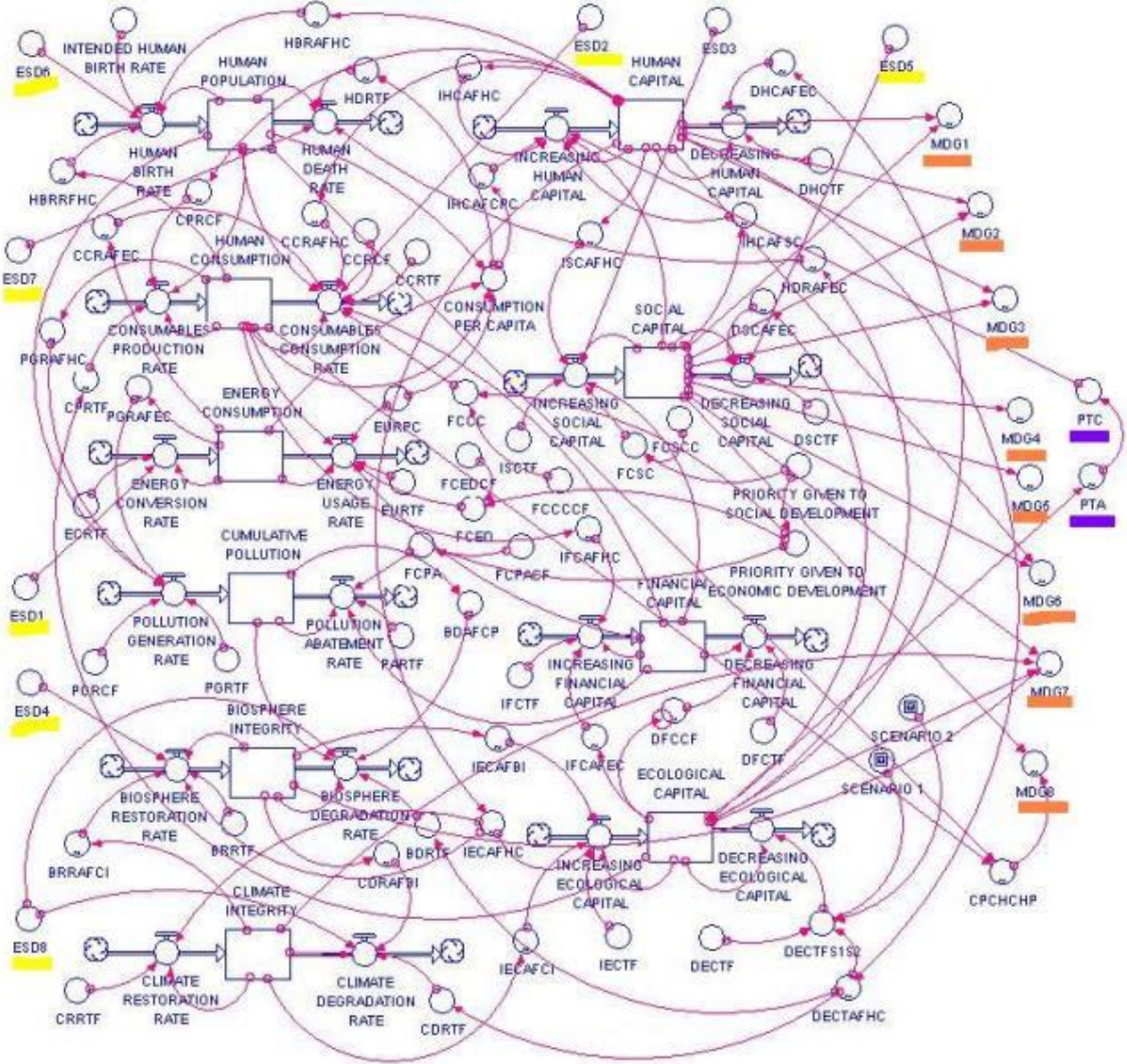
Technology enables us to visualize processes in a simple way.

Let's make use of it!

The screenshot displays the 'docu tools' web application interface. The main area shows a detailed architectural floor plan of a building, with numerous colored pins (red, orange, blue, green) placed over different rooms and areas. A sidebar on the left contains a navigation menu with options: 'Meine Projekte', 'Plan auswählen', 'Pins', 'Gruppen', 'Aufgaben', 'Medien', 'Berichte', 'Team', 'Datasets', and 'Maestro'. The top navigation bar includes the 'docu tools' logo, 'Danube Flats', '1 OG', and several utility icons. On the right side, a 'Pin #48' detail panel is visible, showing a 'Mangel' (defect) category, a price filter, and a filter for 'Erstellungsdatum' (creation date) set to '30.04.2018'. Below the filter, there are two photos of the defect and a red '+' button for adding more content.

Key Learnings

Don't over-engineer it!

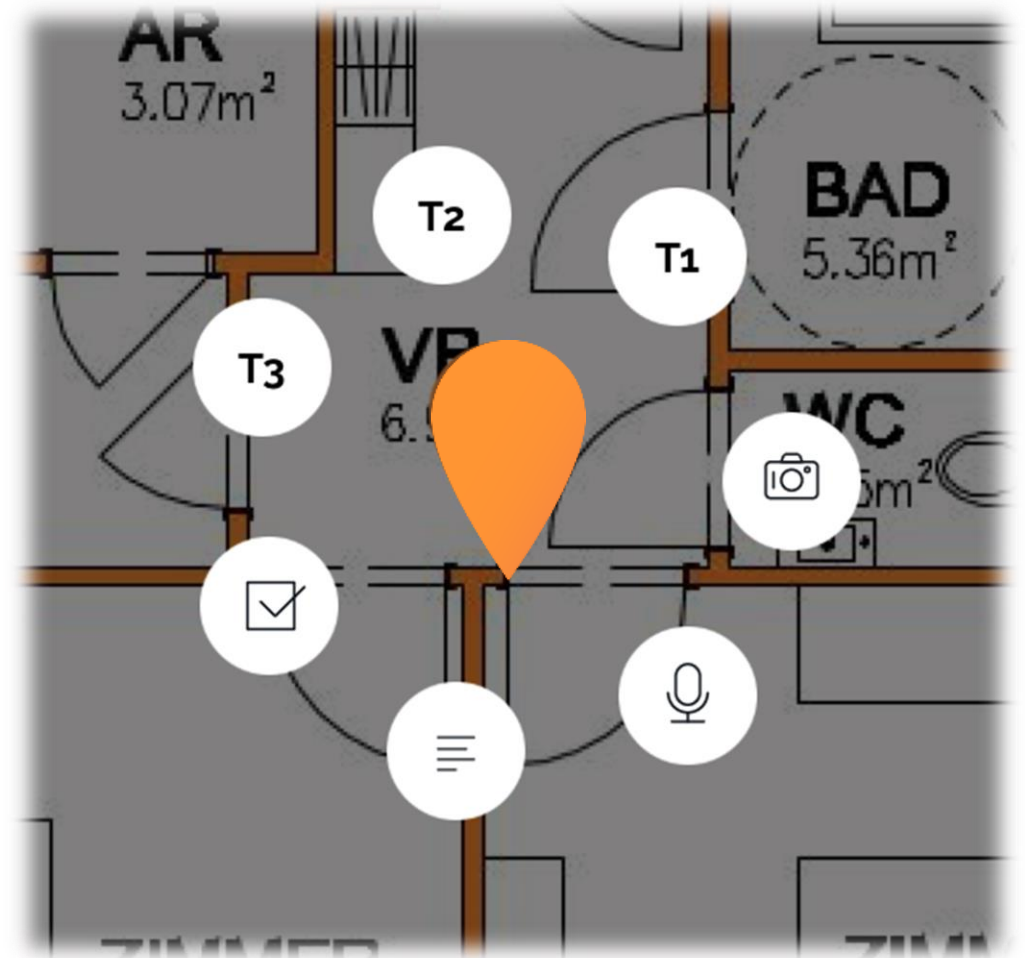


Key Learnings

The 10 second-rule

Any task in a software must take no longer than 10 seconds to complete.

Yet it has to create immediate results.



Key Learnings

Either you change
the process.

Or the process will
change you.



Visionary Question

What will be the result of the benefits from process automation?

- S** High transparency, low cost
- W** Minimum IT skills required
- O** Employees spend more time on their actual job
- T** Loss of jobs

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