Hasso Plattner Institut
IT Systems Engineering | Universität Potsdam

Project: HPI Compass by SSE Technologies

Find Your Own Way

Scalable Software Engineering
WS 2021/22

Enterprise Platform and Integration Concepts

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Co-Innovation Project between SSE Technologies and HPI

- "SSE Technologies" is a rather *young* company
- Founded 29.October 2021 by Michael Perscheid (CEO) and Christoph Matthies (CTO)
- HPI Start-up with the goal to reinvent people culture at universities
- We have a trustful relationship with HPI and we could win it as our first customer and co-innovation partner
- We had luck and could win more than 80 students from day one
- We favor open source software and agile development processes

- Remember: This is just a simulation! So, no money for you ;-)
- Who's that? https://www.linkedin.com/company/sse-technologies/?originalSubdomain=de

If you see this logo, we're in the simulation

Co-Innovation Project between SSE Technologies and HPI

Ralf Teusner

Customer from HPI

Michael Perscheid

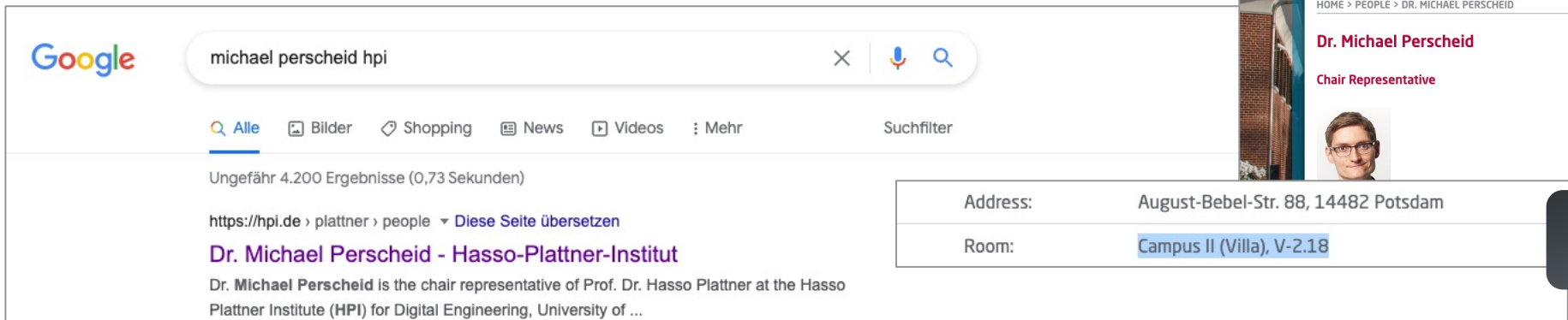
CEO of SSE Technologies

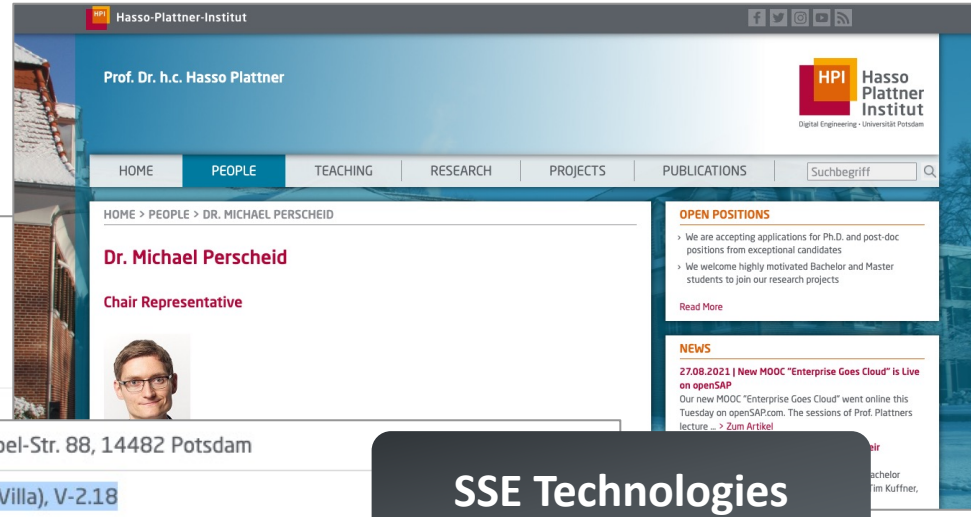
Christoph Matthies

CTO of SSE Technologies

No central people portal at HPI

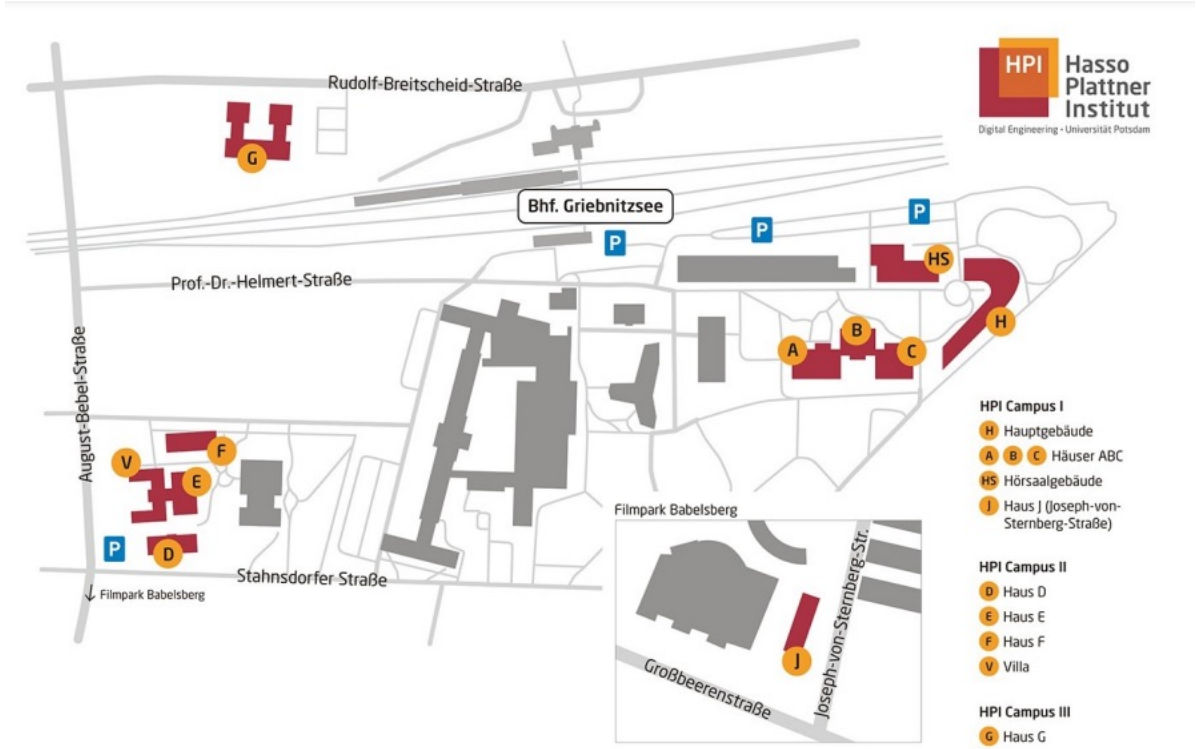
- Information is distributed on multiple web pages, not unified, sometimes out of date
- You will need background knowledge or the help of google
- Where can I find someone and how to get there?
- Situation is even worse if you don’t know the name but rather looking for a specific role
- Or even more worse, if you are looking for non-human point of interests (cafeteria, toilettes,…)





SSE Technologies

Remember your first semester (and maybe still valid)



- All you get for navigation is this high-level map w/o indoor information
  - Where is Ulf?
  - Where is the next toilette?
  - How long do I need from A to B?
  - Which access rights do I need?
  - Where am I?
  - How to meet my friends?
- The HPI has grown a lot over the last years and it will continue

Project: Compass
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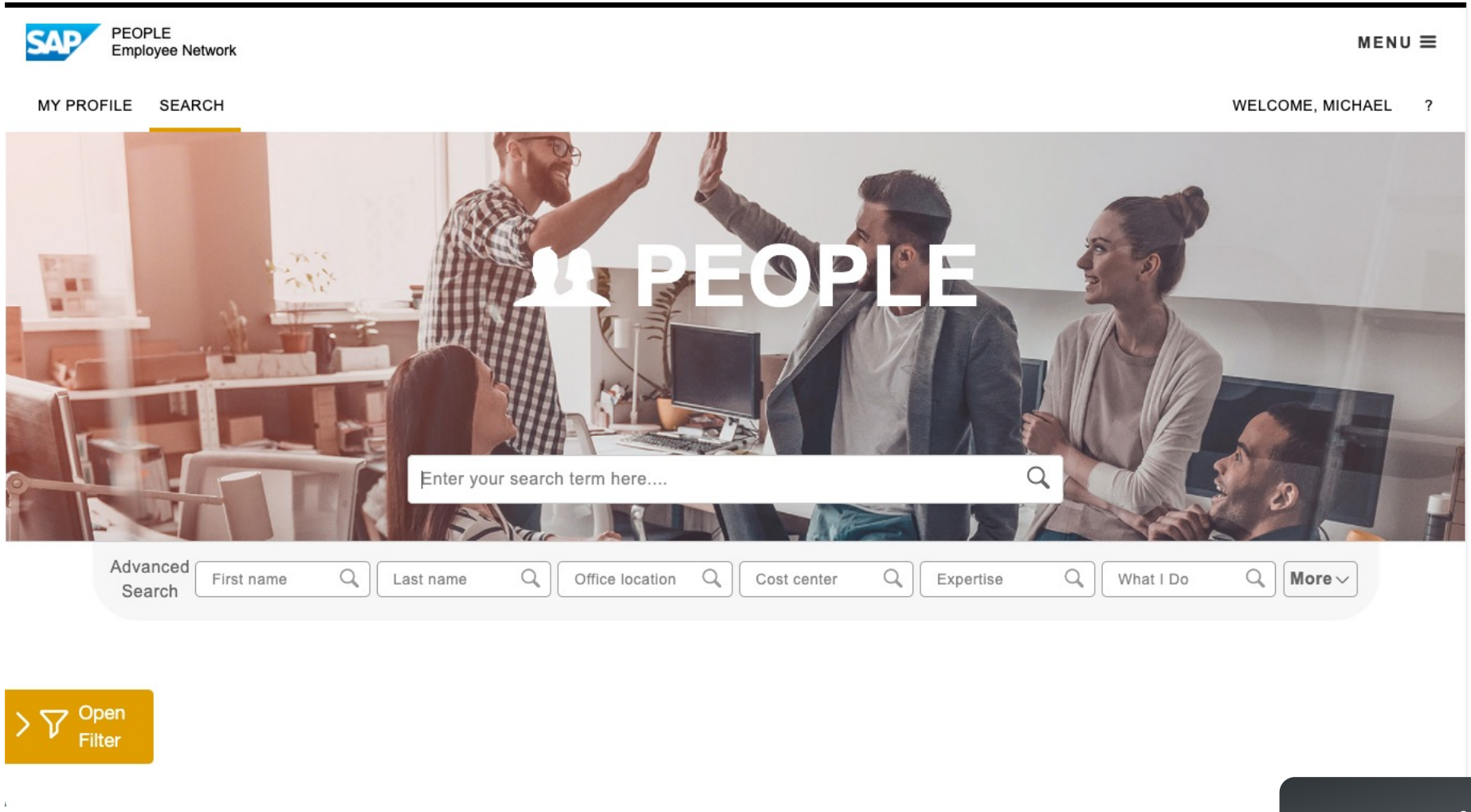

* Similarities to existing applications are purely coincidental.

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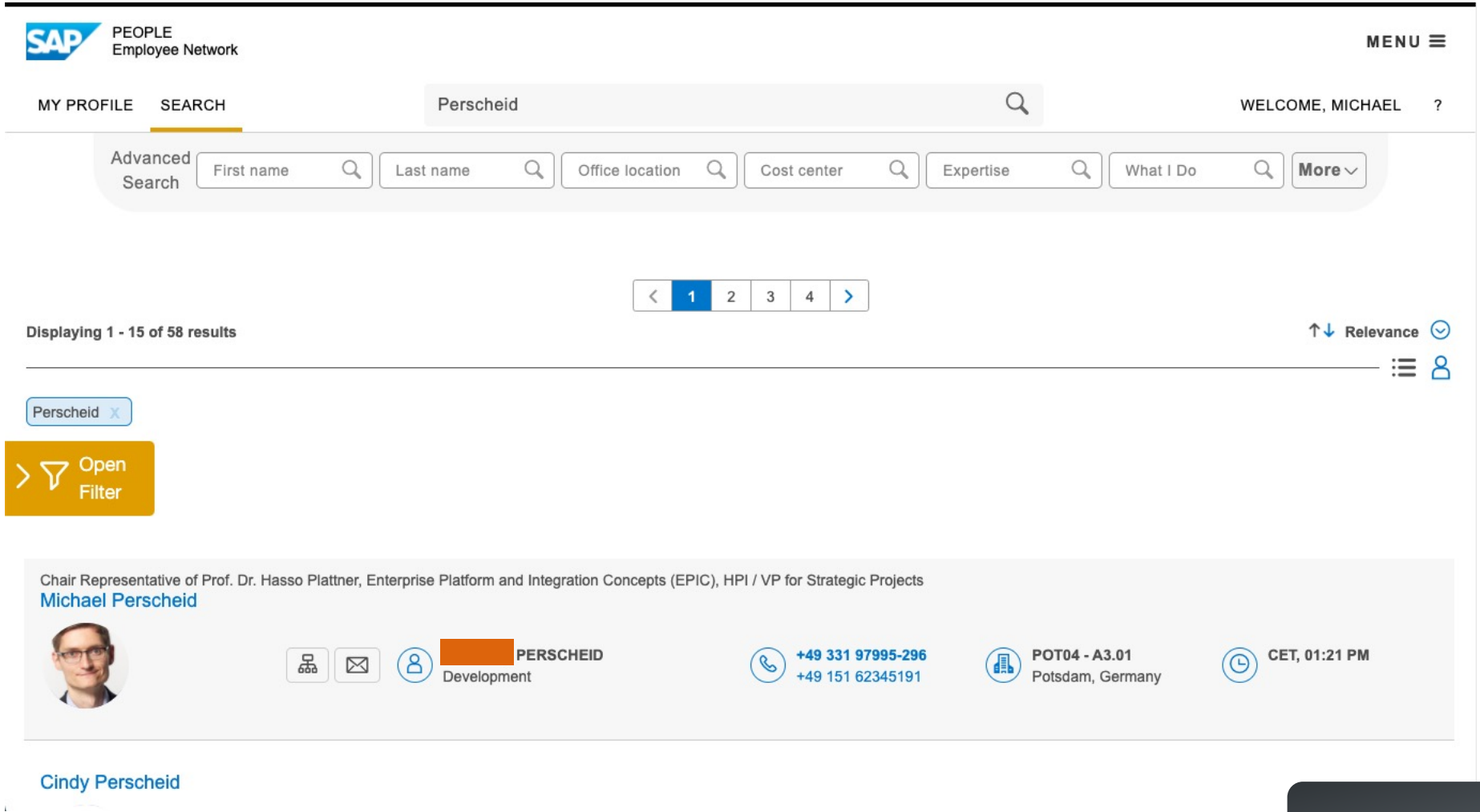

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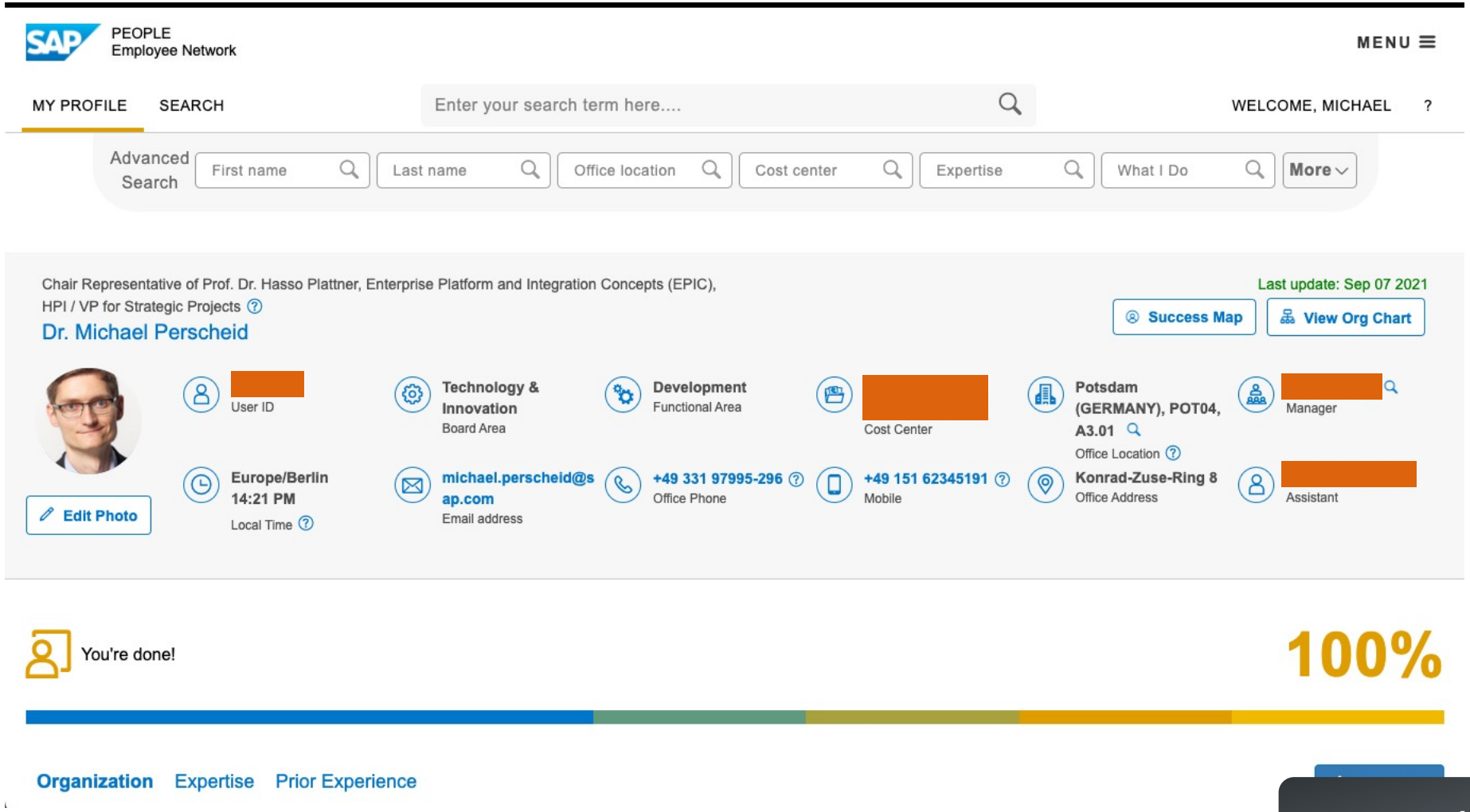

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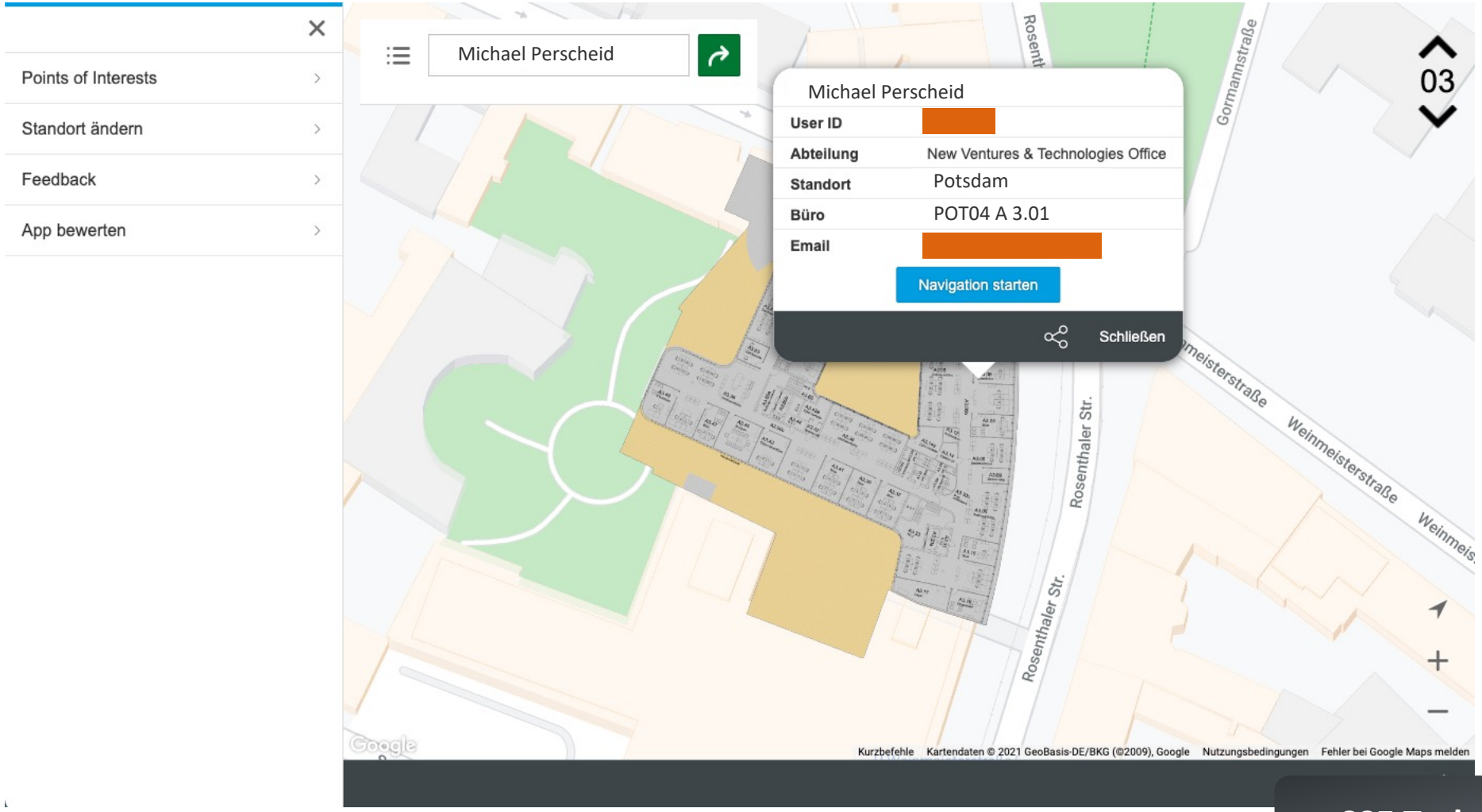

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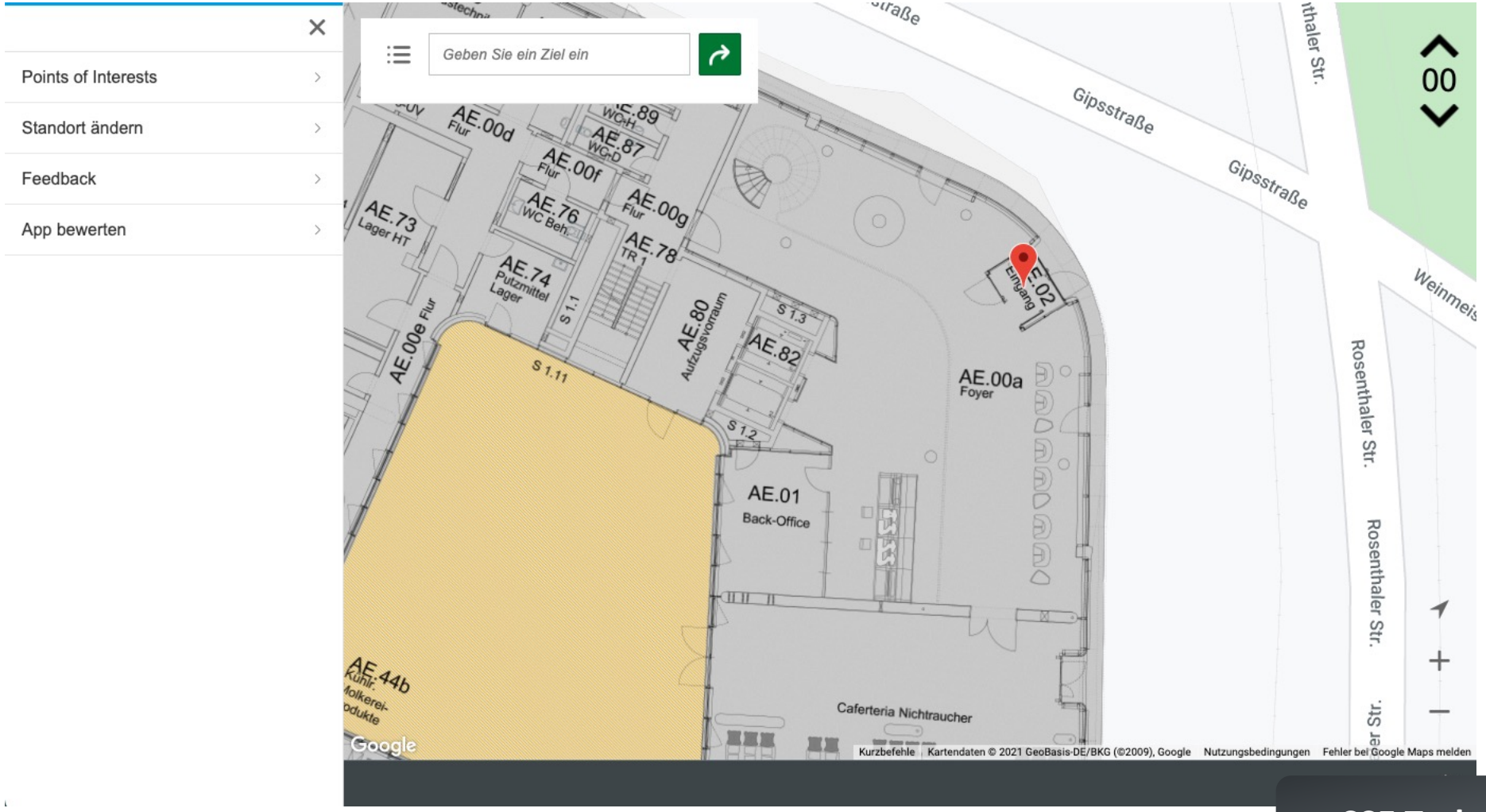

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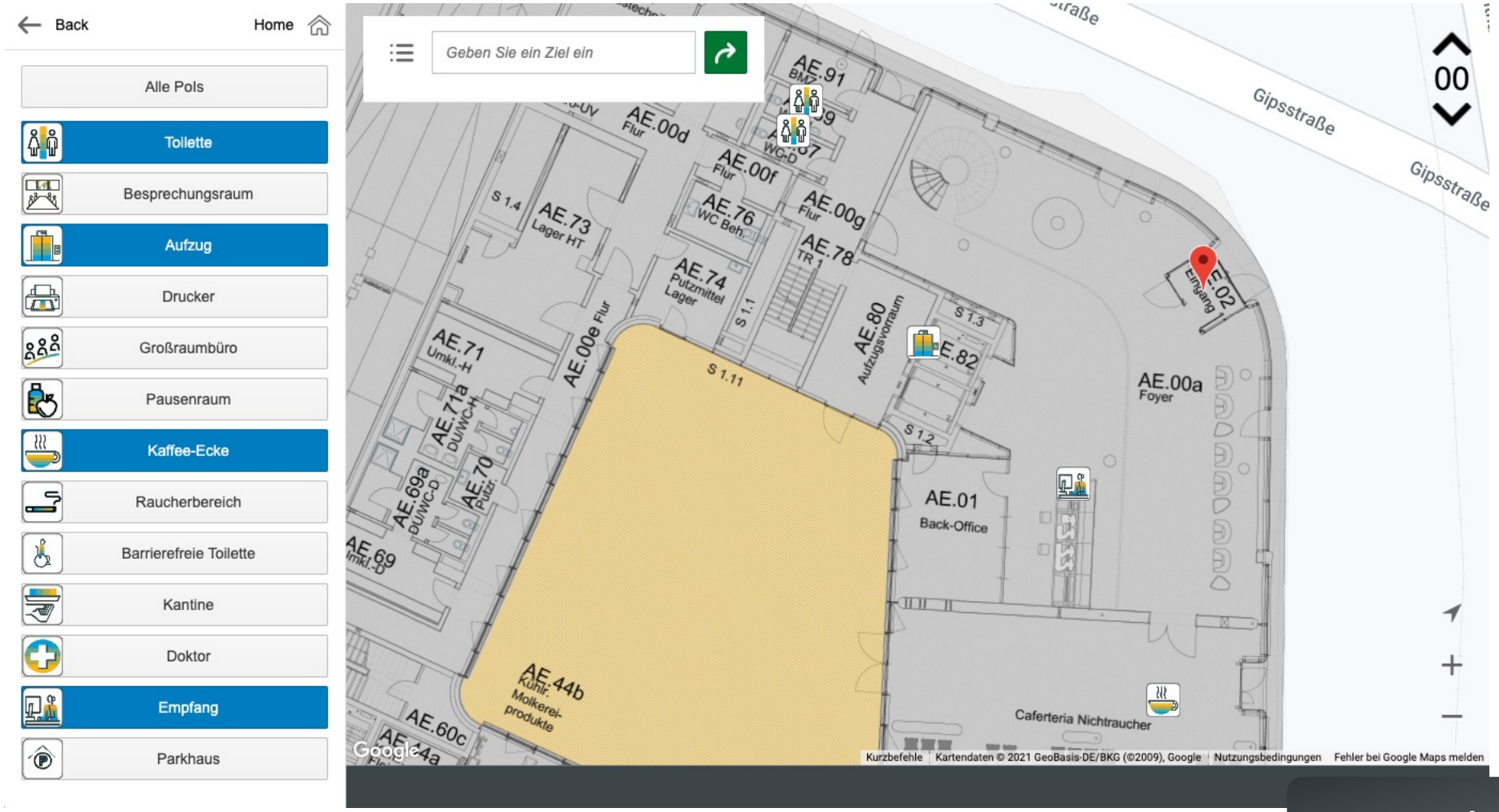

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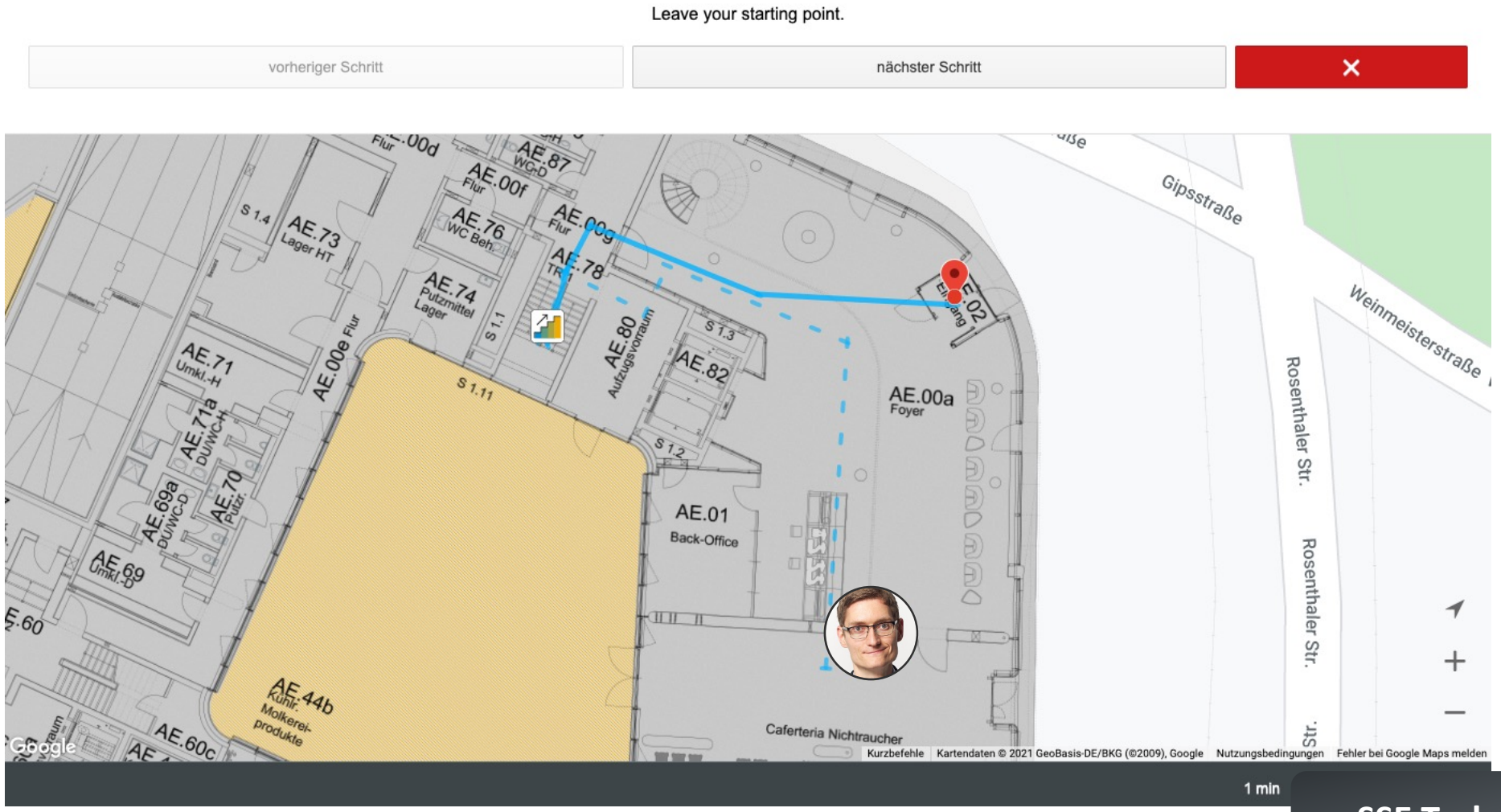

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SSE Technologies

Will You Finish the Project?

1. **How many people and how much time will you need?**
2. **Can you finish the project in time (3 months, 40 students)?**
3. **With which quality?**
4. **Can three full-time equivalents (FTE) finish it in three months?**
5. **Wanna bet?**
6. **What is the definition of done?**

About 40 students per project with 6 ECTS each = 1 day (8 hours)

- Lecture (3 hours)
- Meetings and Operations (2 hours)

⇒ At best, 3 hours of productive time per student per week

⇒ 120 hours per week

⇒ ~3 Full-time equivalents (FTE) for three months