fluxguide

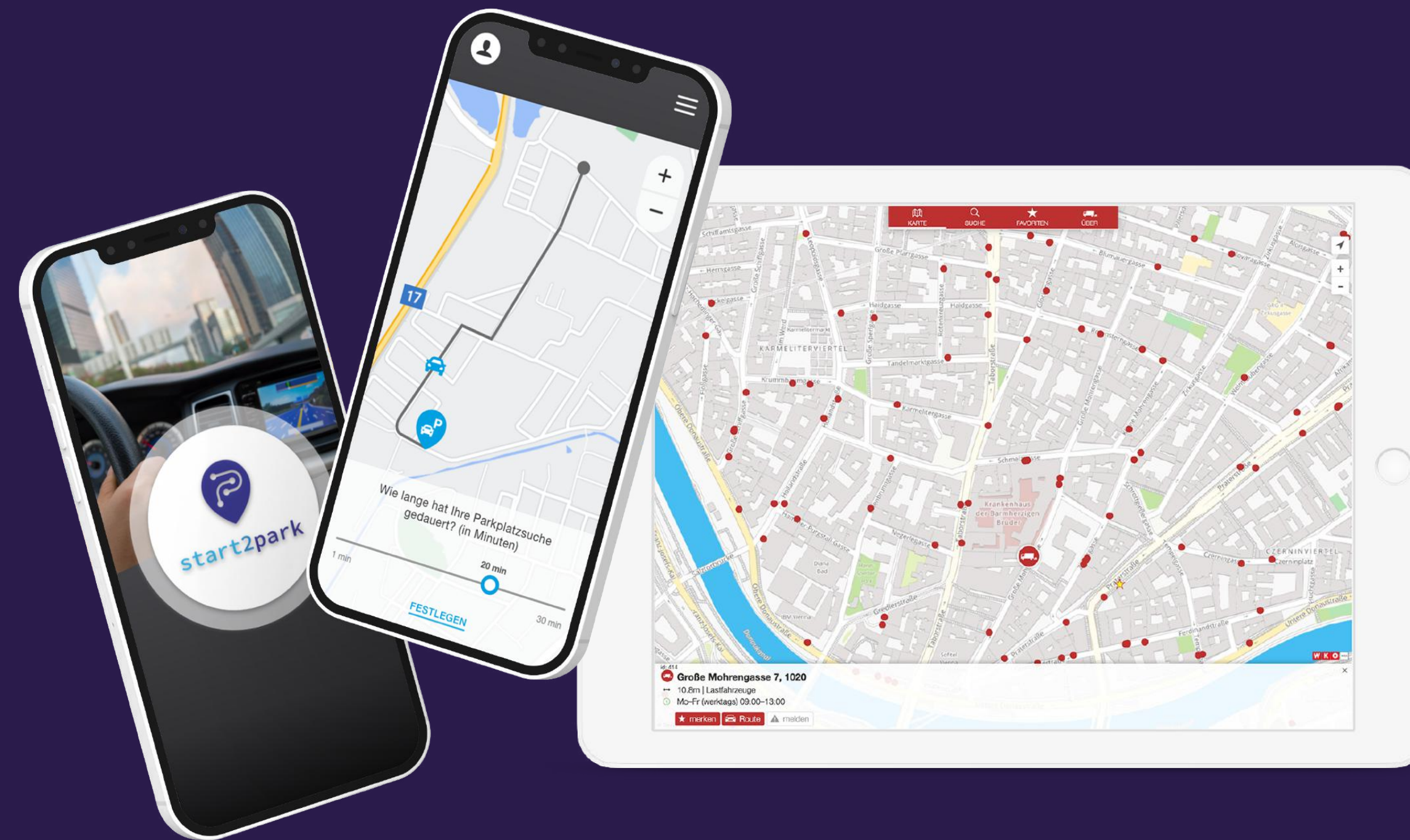## Technology Partner for R&D Projects

Smart/Green Cities

About fluxguide

Fluxguide is a research-driven company with expertise at the intersection of emerging technologies and smart/green city solutions.

- Front-end applications: web & mobile
- AR/VR/Mixed reality
- High-end planning tools & digital visualizations
- Location/Map based applications
- Logistics & transports solutions
- E-Learning and knowledge management

Based in **Austria** we we support research partners & clients in R&D projects with our award-winning solutions and services.

Contributions to R&D projects

1. **Conceptualization** of digital solutions, innovative front-ends and mobile technologies.

2. **Implementation** of full-fledged digital applications and IT services.

3. **Piloting and evaluation** of prototypes as well as finished applications in real-world scenarios and application environments.

4. **Dissemination, Business Models, Exploitation:** academic outreach, exploitation plans, business model creation, and outreach for various target groups and industries.

Fluxguide is winner of the

European Commission

Excellent Innovation 2018

European Commission Excellent Innovation Award

WSA Austria

Winner 2021 - Culture & Tourism

United Nations WSA Award

Selection of R&D project contributions

start2park - Crowdbased data retrieval for smart city transportation

Gefördert durch:

Bundesministerium
für Verkehr und
digitale Infrastruktur

aufgrund eines Beschlusses
des Deutschen Bundestages

mFUND
Das Startkapital für die Mobilität 4.0

In this research project, Fluxguide developed a new decentralized, scalable form of data collection using mobile apps. Together with the Frankfurt University of Applied Sciences and Bliq, a provider of innovative solutions in the field of mobility, machine learning and artificial intelligence are used to gain new insights into improving the quality of life in urban areas.

https://start2park.fluxguide.com/website

Green Valuation - Making green city measures visible

Within the framework of Green Valuation, new methods and (software) solutions are being developed that, for the first time, can visualize the performance balances of green infrastructures on the basis of AI-based real-time analyses and make them available in a spatially and temporally differentiated manner according to their type. Intuitive communication methods and wiki-based e-learning make the methods and relevance of the parameters presented comprehensible even for decision-makers and citizens without specialist knowledge. The toolset can be used for green urban development through the possibility of creating performance forecasts already in urban planning phases.

ParkRight - Tracking bicycle safety

Based on the collection of image traffic data from the cities of Berlin, Munich and Frankfurt, illegal parking and stopping will be comprehensively recorded and typified. This is automated using artificial intelligence methods.

Fluxguide developed a web application in the project. In this way, ParkRight creates a new tool for collecting statistical data on unauthorized stopping and parking in bicycle lanes. The web application can support traffic planning and control to increase the safety of cyclists and reduce the number of accidents.

https://www.parkrightmfund.de

Green Living AR - Bring environmental development alive
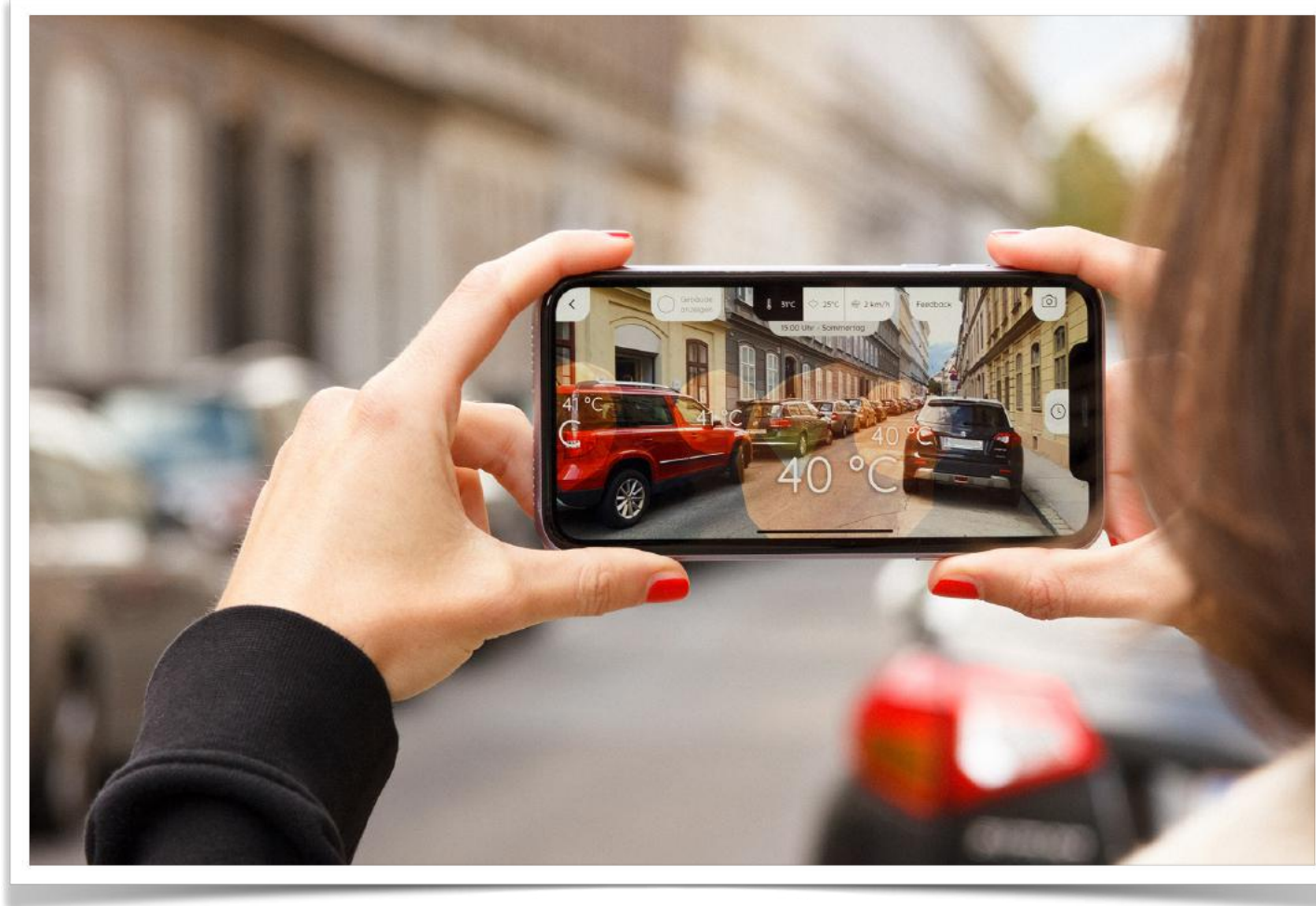
In this project, Fluxguide takes on the creation of a holistic AR/VR platform for interactive Green City projects. Data sets from environmental simulations are visualized interactively via new XR methods using smartphones and tablets.

https://glara.info/

FFG
Forschung wirkt.
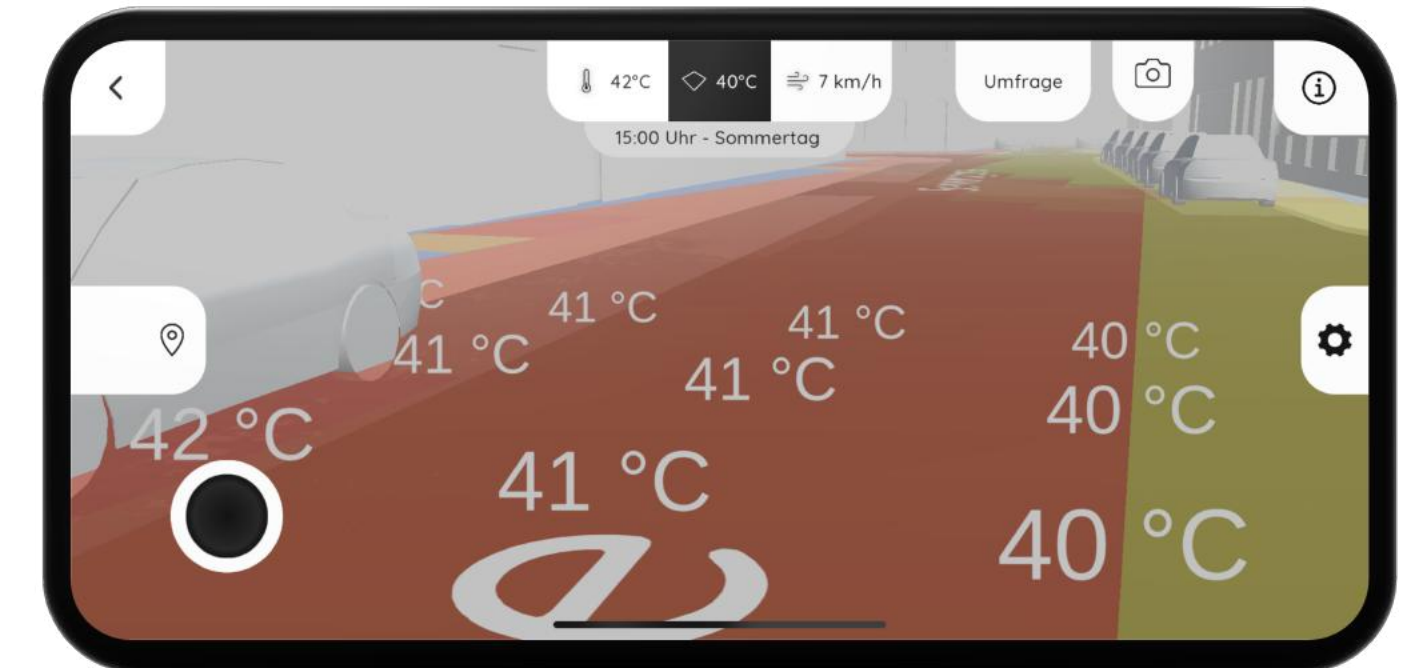
Data collection via app

Collect research data via app

Information and survey via app

fluxguide is one of the few providers that design apps for both mediation and survey. We have already developed mobile apps and backends with public clients that accompany social science surveys. We also bring excellence in mobile information mediation: Gamification, quizzes and smart mediation, especially of educational content, are our focus of expertise.

The editorial system and backend are entirely focused on the collection of data and its analyzability, as well as for the easy design and customization of mediation content.

start2park app - Smart collection of app usage & tracking data

mFUND project with FH Frankfurt

Bundesministerium
für Verkehr und
digitale Infrastruktur

Verkehrszentrum app - App for the survey of cognitive learning types

DFG project with TU Munich

DFG Deutsche
Forschungsgemeinschaft

TIM
Technische Universität München
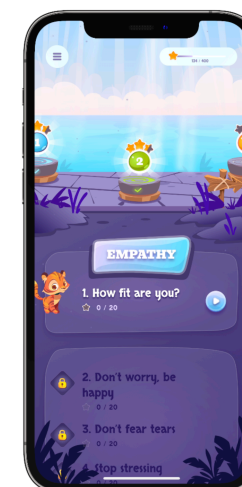
OUR Generation app

Data donations via Mental Health info & quiz app.

Peace
Northern Ireland - Ireland
European Regional Development Fund

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Smart & Green City Solutions

Fluxguide develops digital solutions for knowledge exploration, data visualization and citizen participation in the areas of science, learning and smart cities worldwide. We provide consulting, conceptualization and full implementation of customized, digital experiences for cities and local governments, public authorities, corporations, and cultural heritage institutions. With 10+ years of international experience, open mindedness, and state-of-the-art technology we create strong & unprecedented solutions. We drive innovation and deliver via partners in the US, South America, Middle East, and Asia. Be inspired!

References

Kennedy Space Center (USA) | BMVI (German Ministry for Digital and Transport) | Deutsches Museum (Munich) | Arvo Pärt Centre (Estonia) | City of Vienna | Saudi Aramco (Saudi Arabia) | City of Dingolfing (Germany) | Chamber of Commerce Austria

More projects: www.fluxguide.com

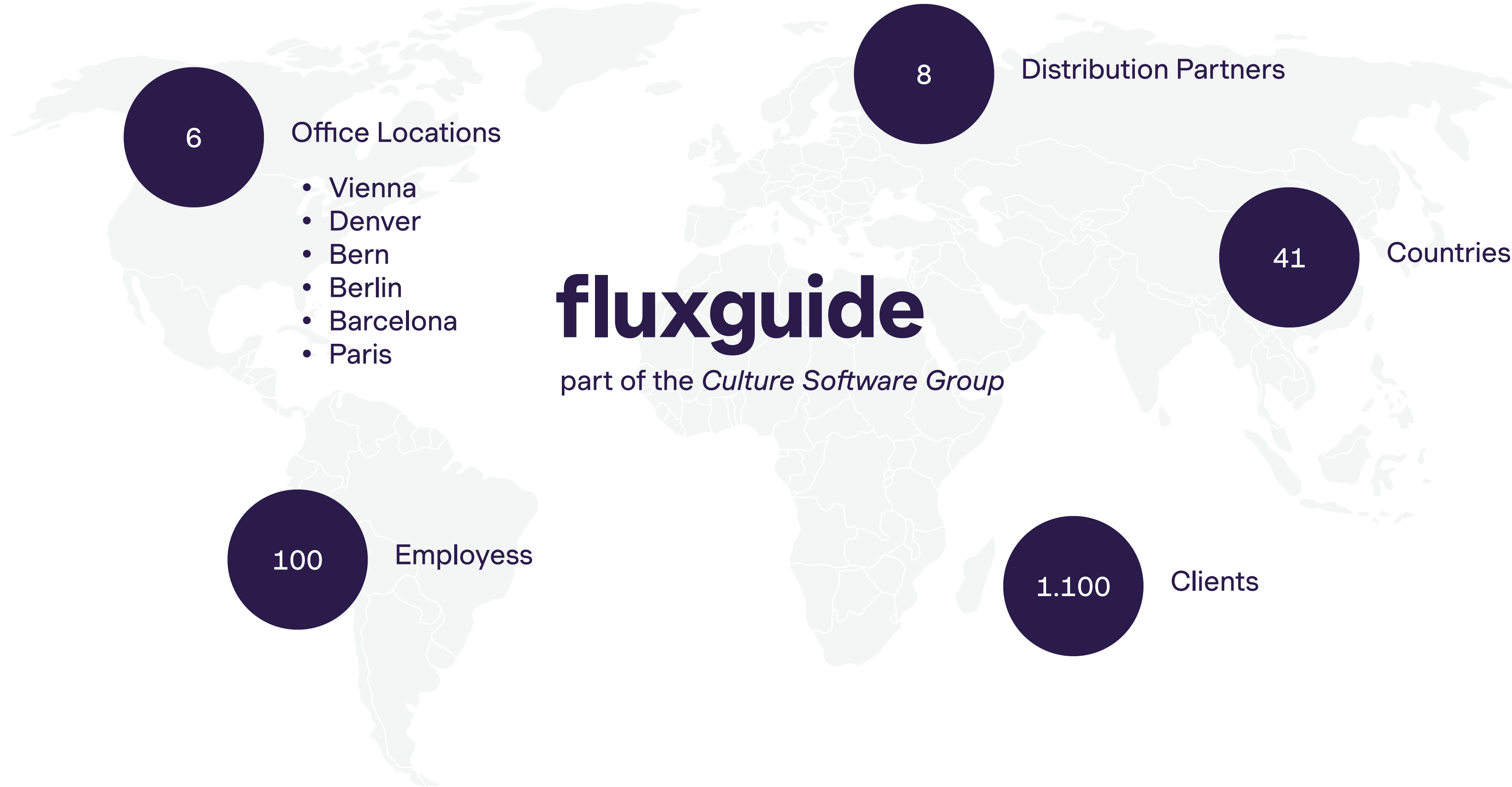**Front-end applications: web & mobile**

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41 — Countries

100 — Employess

1.100 — Clients

Fluxguide is part of the swiss-based Culture Software Group. The CSG unites the most advanced digital services. Together with our partners we implement innovative high-end solutions. Our work is based on 20 years of international experience, state-of-the-art technology and a deep understanding of the interface between human & digital.

Contact

Dr. Kasra Seirafi, CEO

kasra@fluxguide.com

+43 664 226 11 55