

Mail: info@innovation-academy.de

Innovation Academy e. V. • Bertoldstraße 45 • D-79098 Freiburg

Historical and current developments in Freiburg's Old Town, sustainable mobility, and Freiburg's net-zero-energy city hall—a tour on foot and by public transportation

Meeting point: Karlsplatz bus parking or by arrangement

Duration: 3 hours

Cost: €320

Freiburg's Pedestrian Zone

Freiburg's historic center was largely destroyed during World War II. Thanks to extensive reconstruction efforts and the creation of a large pedestrian zone, the heart of the city is now a vibrant hub. New developments, such as the expansion of the pedestrian zone and a new tram line, are shaping the future of the city center.



Multimodal Mobility in Freiburg

Freiburg's new main train station, inaugurated in 1999, is the city's central transportation hub. The tram bridge crossing the station facilitates easy connections between rail and public transit. The "Radstation," serving as both a service center and a bicycle parking garage, complements Freiburg's sustainable mobility concept.



The New Plus-Energy City Hall

After three years of construction, the new "Rathaus im Stühlinger" was opened in 2017. The building was constructed according to the plans of architect Christoph Ingenhoven. The oval building, featuring extensive use of solar panels on the facade and roof, is one of the largest plus-energy buildings in Europe.



Fun elements such as trivia questions or a group activity give the tour an interactive character.

Tickets for public transport are required. We would be happy to include the tickets in our offer.

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Vauban Model Neighborhood with a Scavenger Hunt

Meeting point: Tram stop Paula-Modersohn-Platz or by arrangement

Duration: 3 hours

Cost: €320

Model district Vauban

The Freiburg city district of Vauban is considered a remarkable example of sustainable urban planning, not only among city planners and architects, but the general public as well. Built upon former French military barracks, Vauban is an attractive, family-friendly district with 5,500 residents and attracts visitors from all over the world.

After an urban planning competition, exceptional focus was placed on civic participation. Thus a vivid community with diverse architecture, attractive greenery and a lively public space was developed.

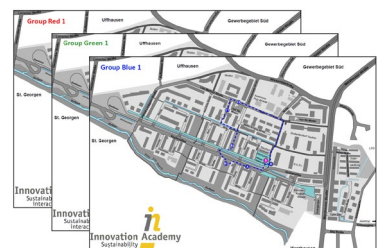
A distinct feature in Vauban is the transport concept which encourages a life without a car and creates optimal conditions for pedestrians and cyclists. Car-sharing, access to public transport and bicycle paths enable all to move freely without the need for a personal car.

The residents of Vauban not only contributed to the planning of the district. Many building projects were communally constructed as multiple-family homes. Alongside these joint buildings, new and innovative cooperatives also emerged.

The solar architect Rolf Disch realised his Solar Settlement in Vauban with the so-called Plus-Energy houses, which annually create more energy than is used in the individual wooden modular houses.

Scavenger hunt as optional activity:

After a brief introduction, the students, equipped with orientation maps and a list of questions, start their scavenger hunt through the district and, in their teams, learn to understand why the district is a model for sustainable urban planning. What has been learned is then discussed in the plenum.



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Bioenergy Village in the Black Forest

Meeting point: Konzerthaus Freiburg or by arrangement

Duration: 4,5 hours

Cost: €635

Black Forest Community with sustainable farms and renewable energy production

This community of about 4,300 inhabitants produces 300% of their electricity needs from renewable energies. On the way we will see several huge wind turbines.

- **Wind power**

Visit one of 5 wind turbines financed by shareholders. Each turbine produces electricity for 1000 households.

- **Sustainable energy production in a farm**

Visit of a 80 ha farm with a biogas plant that produces over one million kilowatt hours of electricity annually and delivers heat for 14 apartments and the local elementary school. The buildings have four roofs producing solar electricity at a peak rate of 100 kilowatts. *Visit depending on availability*

- **Visit to an organic farm** with 40–45 dairy cows milked by a robot. Hay is dried using warm air from a modern woodchip heating system, which also heats the farmhouse and apartments. The farm produces its own woodchips from its forest (approx. 700 m³ annually) and operates three photovoltaic systems (146.5 kWp total), partly with battery storage to power the milking robot, while surplus electricity is fed into the grid.

Visit depending on availability

A bus is required for the visit. Upon request, we would be happy to arrange a bus with our partner company.



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Hike on climate change and landscape and nature protection

Meeting point: Tram stop Bertoldsbrunnen or by arrangement

Duration: 4,5 hours

Cost: €470 + costs for tram & cable car

Schauinsland Expedition

How does the forest respond to climate change?
What potential do renewable energies offer us?
How does our diet influence climate change?

The goal of this varied hike is to bring these and other exciting topics to life in the great outdoors.

Divided into several groups, the students will be challenged to demonstrate their knowledge and problem-solving skills to win the Schauinsland Expedition. It is also important to connect these topics to the students' everyday lives. Issues such as consumer behavior, energy conservation, resource conservation, and recycling are analyzed against the backdrop of climate change. Students are encouraged to reflect on and change their daily behavior regarding the environment and natural resources.

Topics covered on the hike include:

- Wind power and solar energy
- The greenhouse effect
- Forests and climate change
- Sustainable food production and nutrition

Visit of a climate monitoring station

This climate monitoring station has been measuring atmospheric carbon dioxide longer than anywhere else in Europe. **Visit depending on availability**

This tour requires sturdy footwear and weather-appropriate clothing. In the event of continuous rain, we reserve the right to offer an alternative itinerary.

Tickets for tram and cable car can be arranged upon request.

