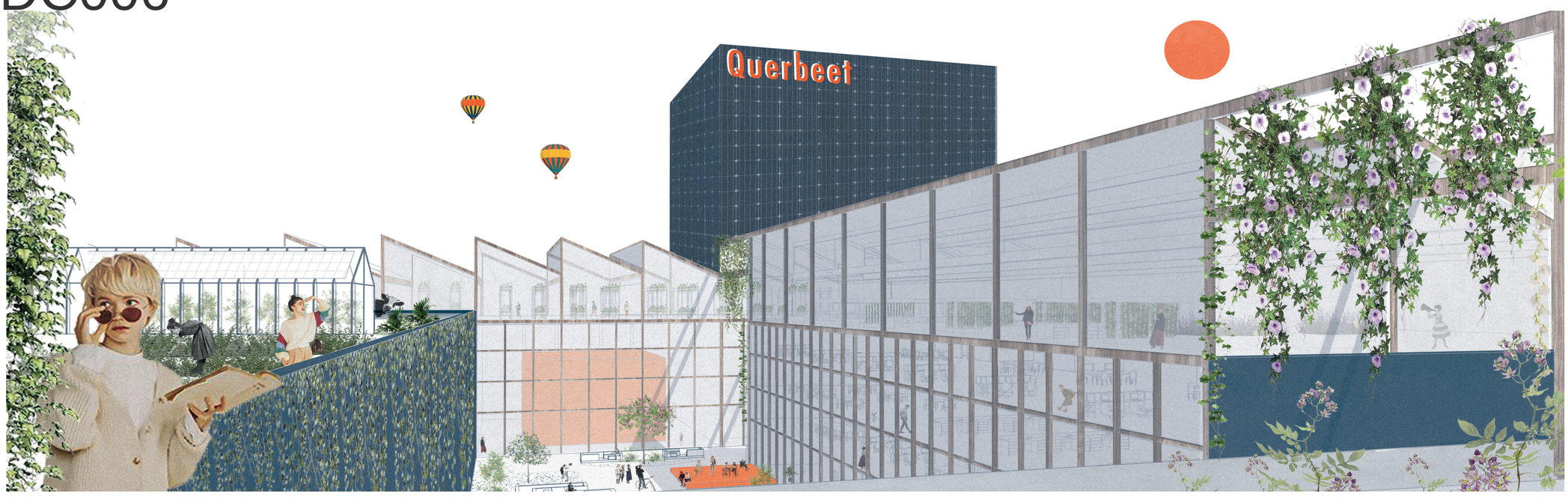
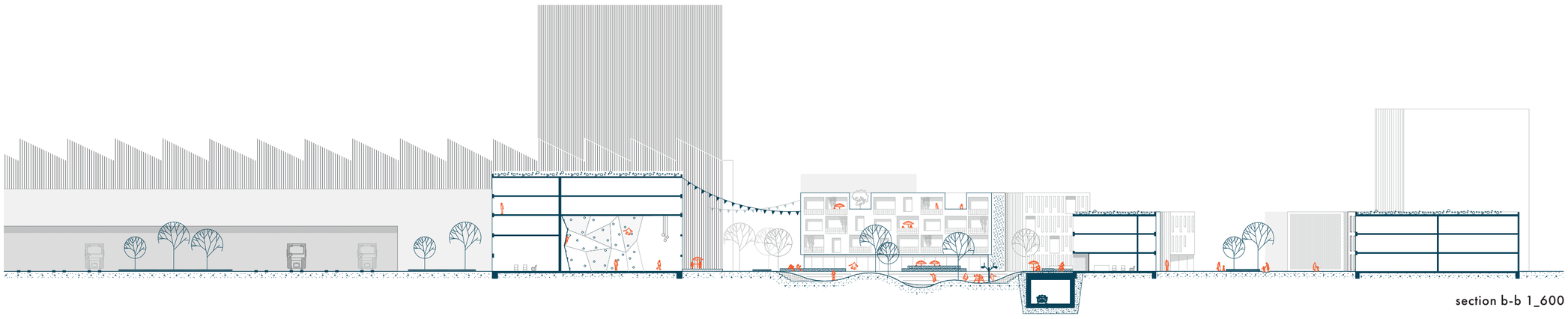
DC006 ETTLINGEN QUERBEET___ Europan 16 - Living Cities





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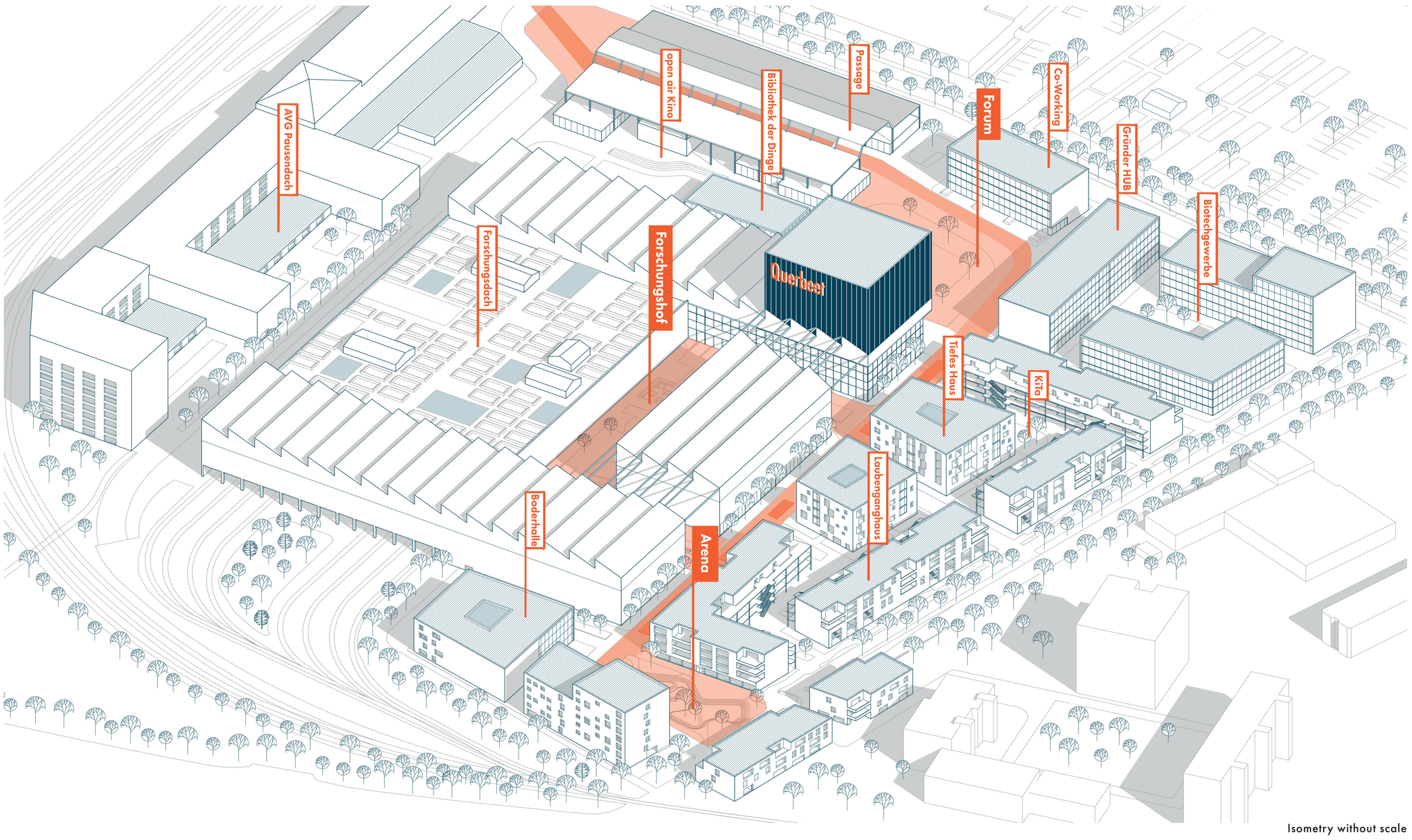
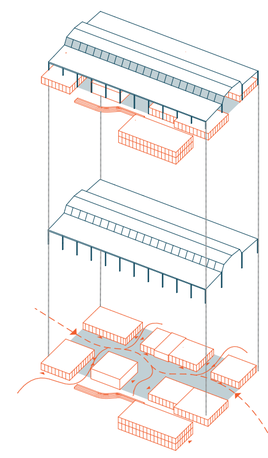
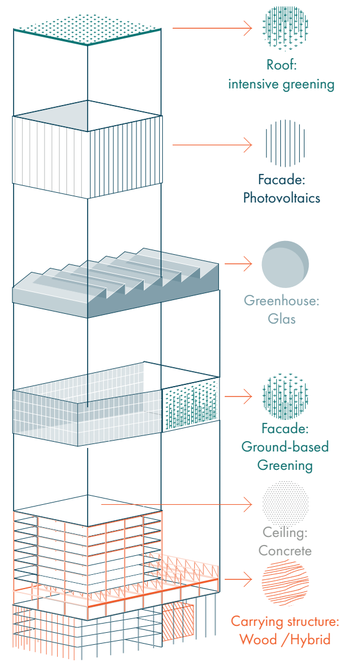


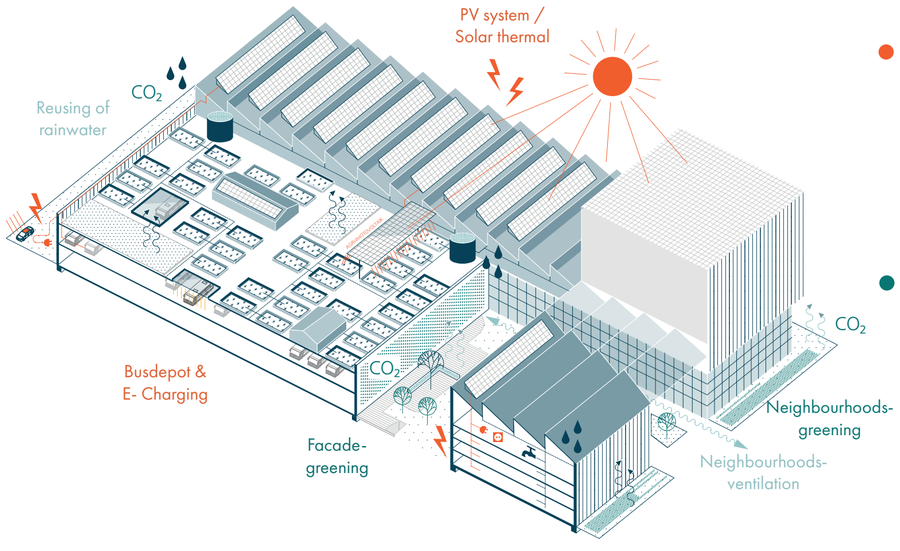
Isometry without scale



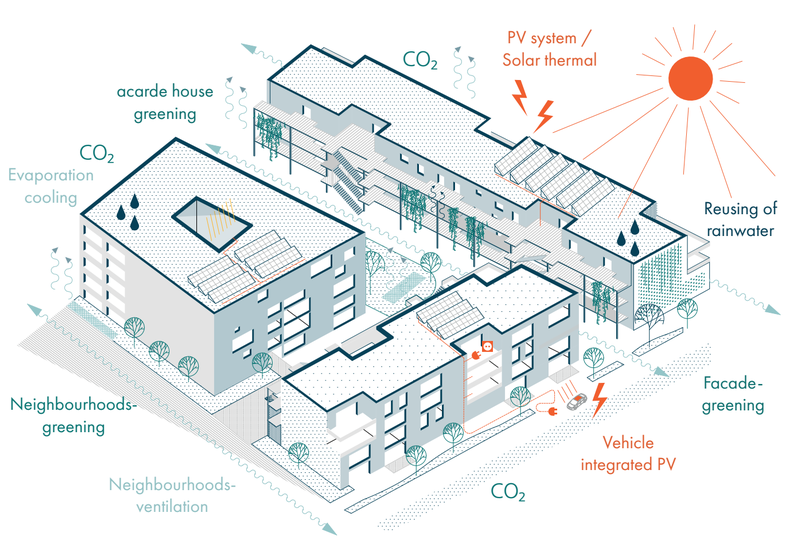
Concept of passage



Materials & Raw Materials

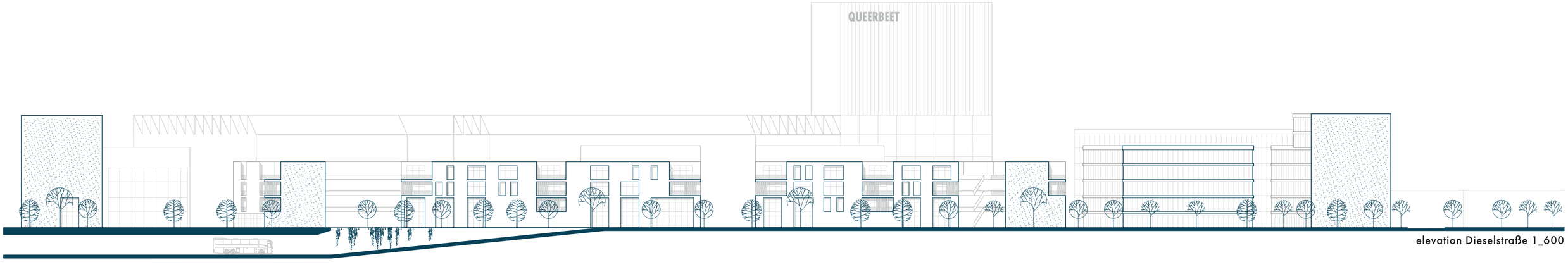


- . . . 5000 sqm of photovoltaic area per year approx. 2 million kilowatt hours of electricity, which is enough to supply 200 households with electricity.
  (Source: eigene Rechnung)
- . . . In Central Europe, sealed floors heat up to around 60 to 65 degrees Celsius in summer, and the energy could be used to supply a swimming pool.
  (Source: Colas)



- . . . 1030 m pedestrian path with solar panels can provide complete street lighting for a town with 3000 inhabitants.
  (Source: Colas)
- . . . 60 sqm of floor area in the "Club Watt" in Rotterdam generate about 300 watts by means of kinetic energy. That's enough to power the DJ desk and the lighting in the station pub.
  (Source: Club Watt)

Basically, the aim is to develop a climate-neutral neighborhood by mainly supplying it with renewable energies. With regard to the heart of the design, the research center, for example, electricity is to be operated by PV systems. The reuse of rainwater can also be useful for the irrigation of the various plants. In addition, it can also be used for toilets in the apartment blocks. Repeated openings of the building structure also ensure adequate ventilation. In order to create a pleasant microclimate, the facades are to be greenery and, in general, a neighborhood planting is to extend over the entire area. After all, despite the new industry, no areas should be created that heat up excessively and do not benefit people.



elevation Dieselstraße 1_600