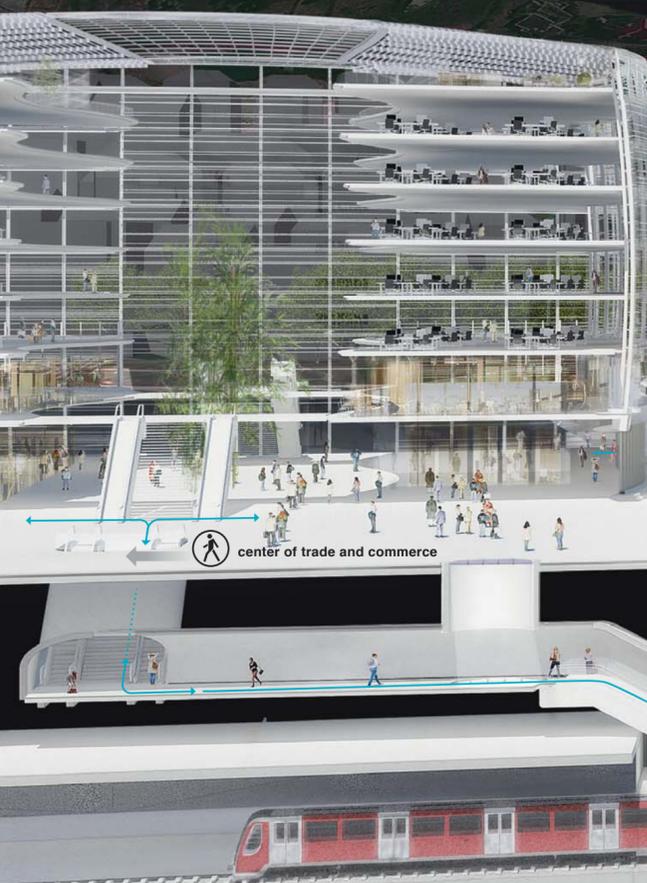


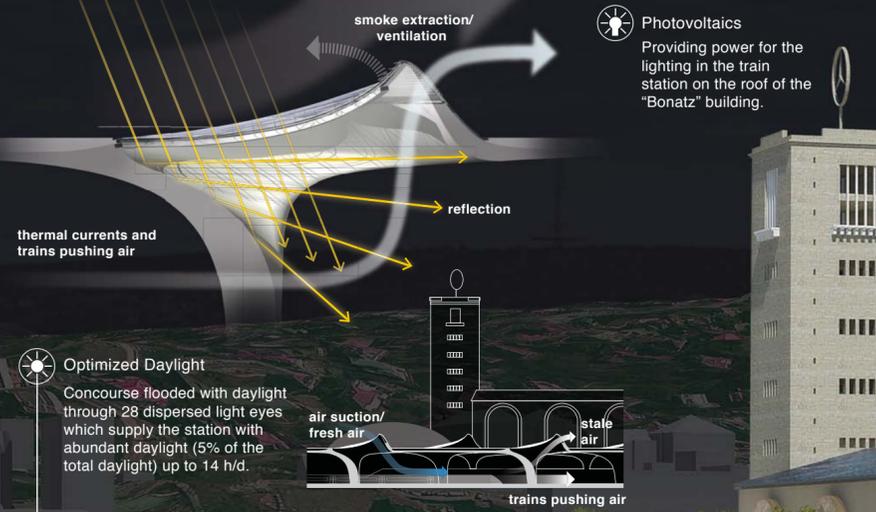
ingenhoven main station stuttgart • carbon free

No CO₂ is being released as a result of natural heating, cooling, lighting and mechanical ventilation. This is possible due to the unique form and the effective and intelligent use of natural resources.

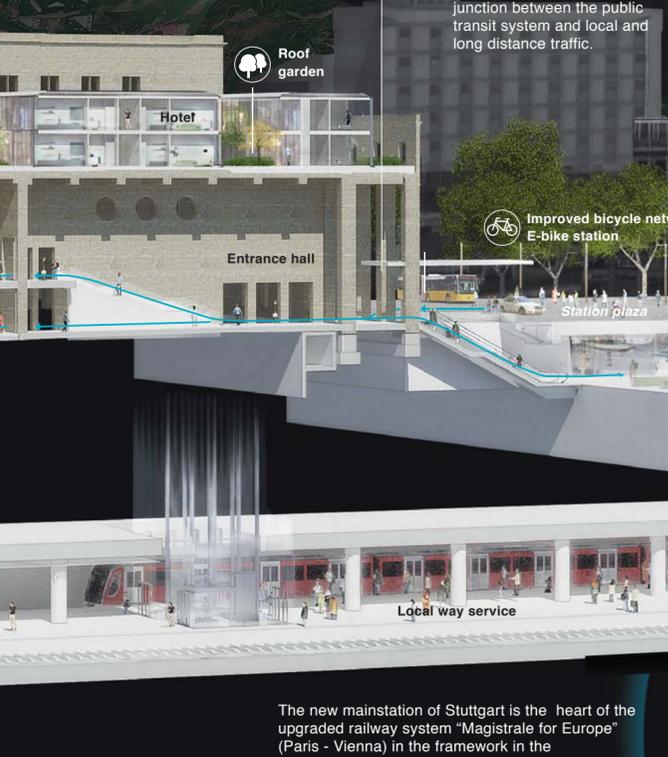
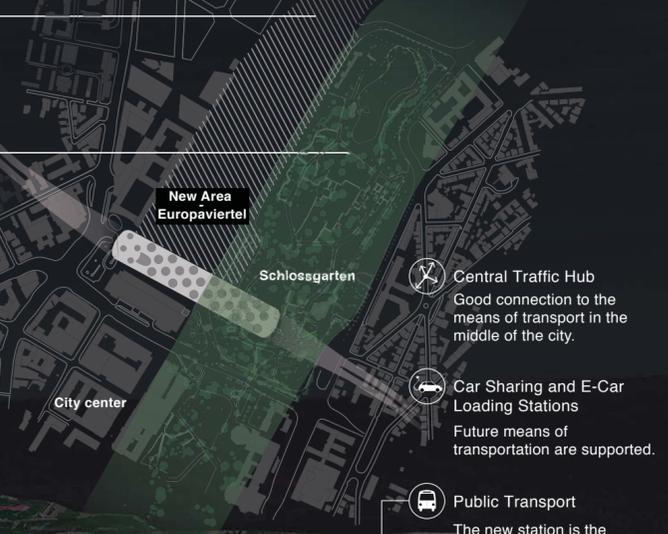


- Photovoltaics**
- Optimized Daylight**
Concourse flooded with daylight through 28 dispersed light eyes which supply the station with abundant daylight (5% of the total daylight) up to 14 h/d.

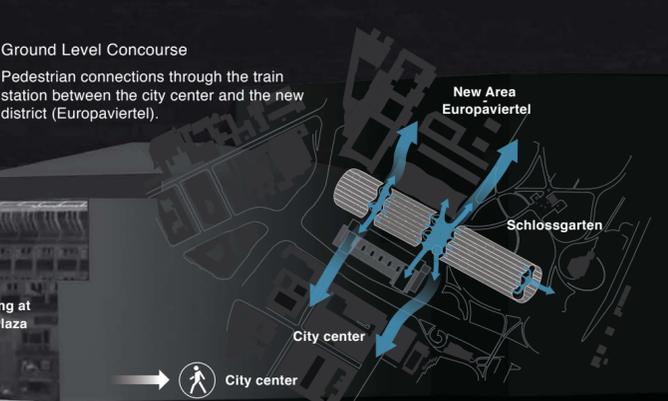
- Natural Light**
Optimized daylight distribution due to curved white concrete surfaces and glass blocks in the distribution levels that reflect the light. As a result of the dispersed daylight coming through the light eyes there is a reduction of glare and overheating.
- Natural Air Conditioning and Smoke Extraction**
An air change factor of 0.7 per hour is achieved through natural ventilation by the trains pushing air and the thermal currents resulting from the constant temperature in the tunnels - a self regulating system. Additional air circulation is achievable through the use of openings on both sides of the light eyes (supported by the venturi effect).



- New Area**
Through the new orientation of the train station, a new urban district (Europaviertel) has been created on the old railway tracks.
- Park Area**
The underground station preserves the Schlossgarten as the main open green space in Stuttgart.
100% more green
- Respect for Heritage - Bonatz**
The existing historic building remains as the main entrance to the train station and is carefully being renovated to accentuate the building's heritage.



- Public Space**
More public space is created by reducing traffic in the Arnulf-Klett-Platz and by changing the old train station into an underground space.
- Integration in Urban Development**
The train station is the link between the old (city center) and the new city (Europaviertel).



The new main station of Stuttgart is the heart of the upgraded railway system "Magistrale for Europe" (Paris - Vienna) in the framework in the Trans-European Networks, which links five countries.