



211121  
Bandung, Indonesia

Team leader  
Samantha Isabela Ongkowiyojo, Indonesia

Team members  
Timothy Immanuel, Indonesia

# DEEP CITY

In the 20th century, Harvey Wiley Corbett and Eugene Hennard had imagined future cities' underground development for separating vehicle and pedestrian traffic. Ever since cities become captivated with underground development such as sea tunnels for cars and trains, even parking spaces have been moved into the underground. In Paris, the city where Eugene Hennard was born, the underground parking has reached around 96 hectares both on- and off-street welcoming 462,700 private vehicles (park4sump.eu).

We believe that in the 10-20 years ahead, private fossil-fueled vehicles will be obsolete because nowadays people are starting to be aware of carbon production that causes global warming. Electric cars are starting to populate the streets and the sales are going strong, but even battery is produced with nonrenewable resources. With such underground parking occupying Paris's underground, what if people are leaving their private vehicles and instead of taking the public transport everywhere? Taking to the extreme, what if cars go extinct?

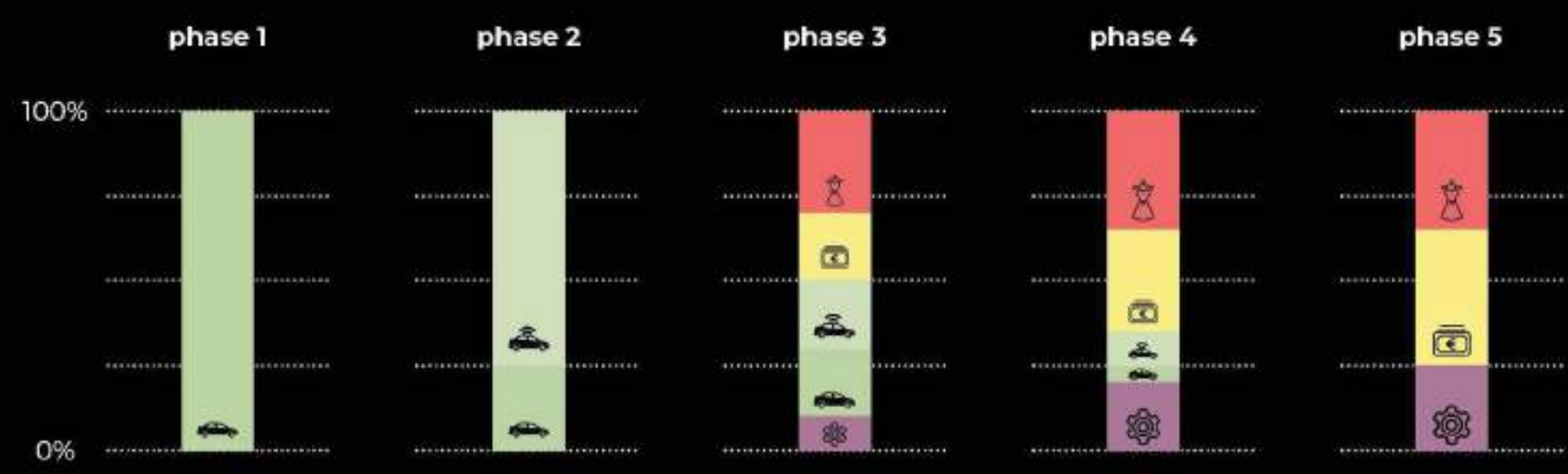
We take us to the utopian world where public transport is moving us everywhere. They're free to use and adaptable to any weather and conditions. Underground parking spaces will be abandoned and no longer can be used. We try to reinstate the underground as a new bustling living space. Below, the studies listed some feasible programs that can be embedded in the unused underground parking including the modular area and the degree of human-needed activity.

## DEEPCITY

OPERATOR

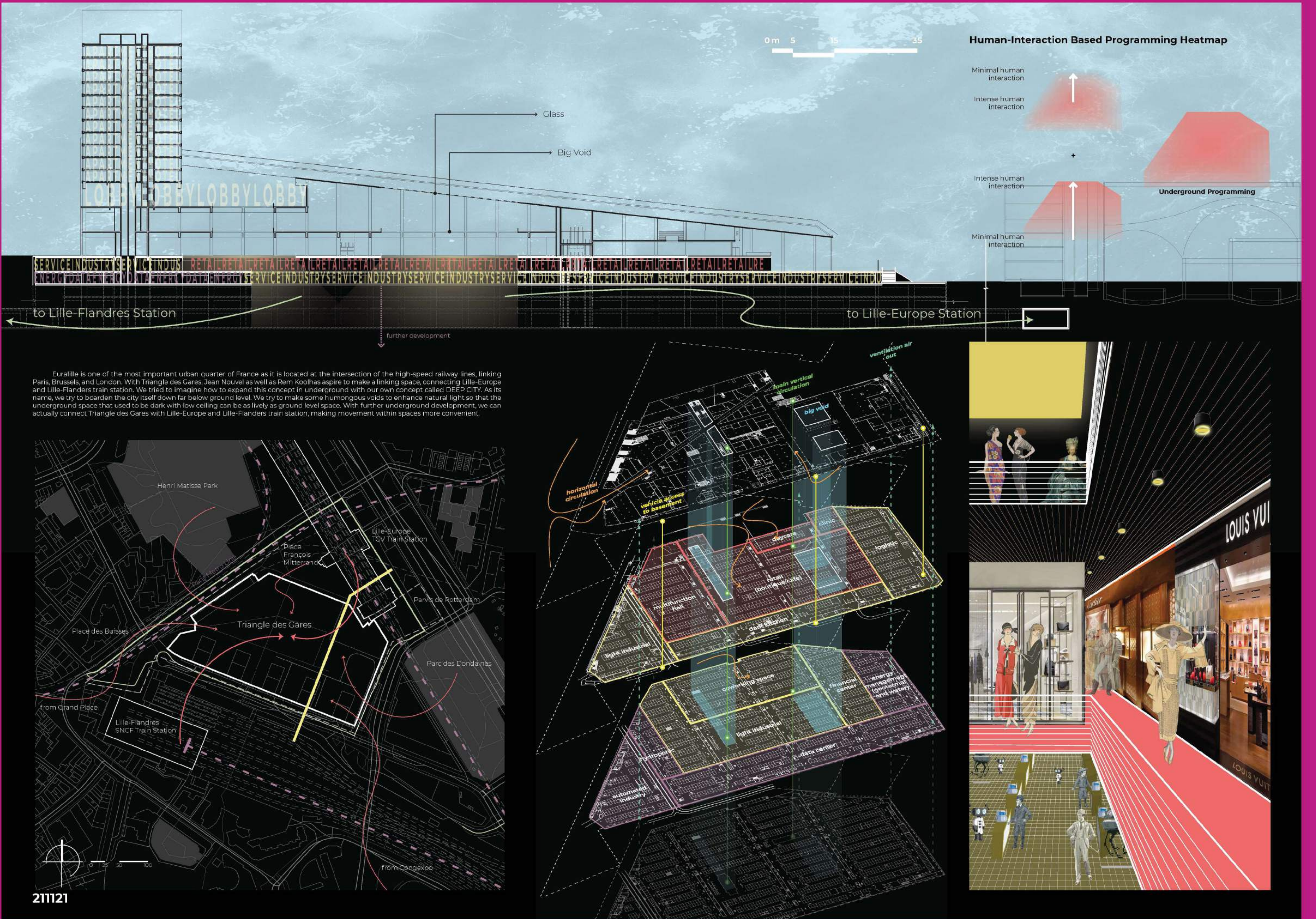


There are many possibilities for future mobility, but the implementation can be challenging. In the meantime, underground parking is used 100% for private vehicles even though there are some additional services like car washes and charging stations. We propose a series of phases, from the one that can be realized in the nearest future to the utopian one. The phases of the underground car park are adjusted accordingly.



Taking France for example, in 2020, services contributed the most to France's gross domestic product (GDP) over 71 percent. Employment is expected to increase slightly as well, contributing to over 2.8 billion jobs in France (statista.com). With the current situation, the services sector is expected to grow further and the phases above provide the nation's economic growth as well. Phase 1 accommodates only private vehicles to park, while in phase 2, the shared vehicles started to fill in the spaces. The OPnGO apps must be used to reserve parking spaces in phase 3 onward for calculating the occupied and vacant reserve only parking space. In the third and fourth phases, underground car parks begin to welcome the mass to do business and leisure while minimizing the area for the car park itself. In the final phase, the main programs in the underground are retail, services, and energy management that welcome further collaboration between humans and AI.

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