

# AI-based simulation for sites

## What is AI-based site simulation?

- AI stands for artificial intelligence.  
Artificial intelligence is a special type of computer programme.  
Artificial intelligence means:  
A computer can ‘learn’ something.  
And the computer can then carry out tasks on its own.  
For example, it can calculate or test things independently.
- In our project, artificial intelligence has identified the best locations for the collection points.  
The computer programme has shown us:
  - Where should we set up the parcel collection points?
  - Where should the cargo bike rental stations be located?
  - Where should we set up the small parcel distribution centres?
- The software uses **data and simulations**.
  - ‘Simulations’ is a difficult word.  
Simulations mean:  
You copy something.
  - That means:  
Something is being replicated, but not in real life.  
Simulations merely show how something might be.  
And that means you know in advance how to plan things better.

## What is it for?

The simulation software helps:

- finding the **best places**
- Identifying problems in suburban areas.
- Designing places that are **accessible and usable by everyone**



## How does it work?

- It uses **data about places and people**
- She tests various ideas and concepts;
- She simulates various situations;
- Then she demonstrates which solution works best.



## Where is this used?

- Our project has used this technology in Leipzig, for example.
- But these simulations can also be used in other cities.



## Why is this important?

With this technology, you can

- Plan deliveries more effectively
- Deliver more items by bike
- Reduce traffic congestion
- Reduce pollution

## Conclusion:

The software helps you find the **best locations for sustainable delivery points** – simple, smart and eco-friendly.




**Driving Urban  
Transitions**



**Co-funded by  
the European Union**

**VINNOVA**  
Sveriges innovationsmyndighet

 **Bundesministerium  
Klimaschutz, Umwelt,  
Energie, Mobilität,  
Innovation und Technologie**



**Finanziato  
dall'Unione europea**  
NextGenerationEU



**Ministero delle Imprese  
e del Made in Italy**

Gefördert durch:



**Bundesministerium  
für Forschung, Technologie  
und Raumfahrt**