

# Digital Twins, Knowledge Transfer and Prototyping

Connected Urban Twins

Partner Cities:



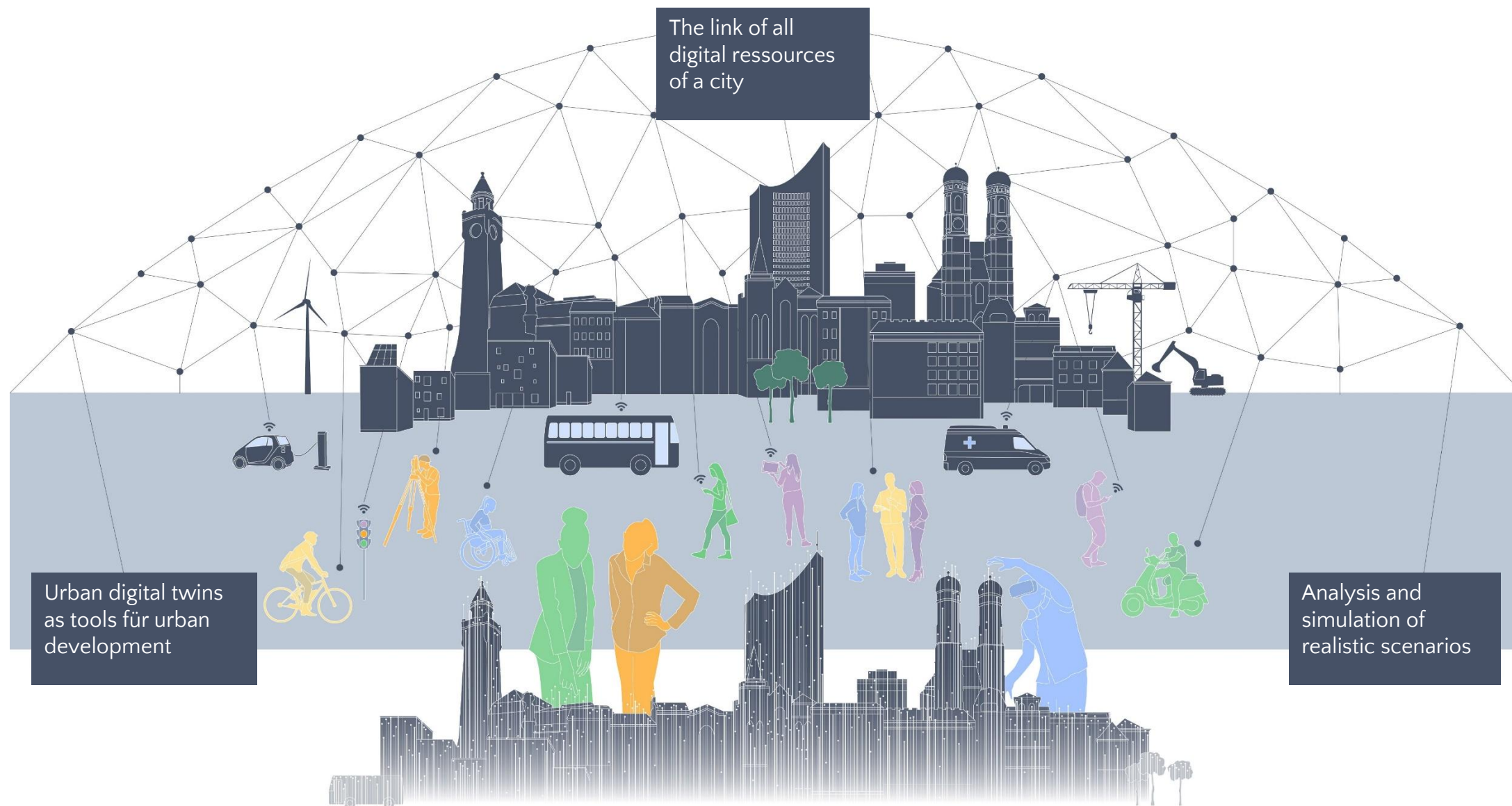
Landeshauptstadt  
München

Funded by:



June 10th, 2025

# Urban Digital Twins: virtual copies of the city



# Our vision

Together we are developing Urban Digital Twins for use in integrated urban development.

Urban Digital Twins digitally represent our cities and can be used to play out 'what-if' scenarios for cities that are sustainable and improve the quality of life.







# Five specialist areas



## Urban Data Platforms and Digital Twins

Further development and operational use of replicable Urban Data Platforms and Digital Twins



## Innovative use cases in urban development

Evaluation of Urban Data Platforms and Digital Twins in current urban development use cases



## Participation by the urban community

Co-creative development and use of innovative digital participation formats, tools and processes



## Transformative experimental urban research

Linking technology research with social science research relating to Urban Digital Twins



## Replication and knowledge transfer

Internal project knowledge management, supraregional knowledge transfer and exemplary replication of project outcomes

# Our current formats

Knowledge management	Knowledge transfer	Replication
(status recording, expert mapping)	Resources and downloads section at <a href="https://www.connectedurbantwins.de">https://www.connectedurbantwins.de</a>	Replication plan (coming soon)
Product database	Useful information for local authorities	Inter-municipal co-operation: Leipzig-Partheland
	CUT Academy	
	Strg+c[ut]	
	Glossary	

## Sharing knowledge through our CUT Academy

- Webinars by CUT experts
- free of charge and freely accessible
- Topics: Urban data platforms and digital twins, use cases, urban research, citizen participation



<https://www.connectedurbantwins.de/en/knowledge-transfer/welcome-to-the-cut-academy/all-posts-chronologically/>



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# Sharing knowledge through our CUT Academy





Suche  Deutsch


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**Die Urban Model Platform**  
Silos aufbrechen für Algorithmen

30.11.23


[Click Here for the Post](#)



**CUT-AKADEMIE mit T4**  
Bilder von Gebäudefassaden  
Wie viel Information steckt für künstliche Intelligenz darin?  
Aurusch Kramm, Scads.AI – kramm@informatik.uni-leipzig.de

24.08.23


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**Fragenkatalog zur Anwendungsfallerhebung**  
Vorstellung eines Transferproduktes von T1 & T2  
Lucie Heinz, Teilprojektverantwortliche T2, Landeshauptstadt München


29.06.2023

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**Innenstadt weiterdenken!**  
Jugendbeteiligung zur Zukunft der Münchner Innenstadt.  
Anja Wiedenhofer – Plattform Plattform zur Stadtentwicklung  
Referat für Stadtplanung und Bauordnung

11. Mai 2023




**Energie-Atlas Leipzig**  
Daten erneuerbarer Energien zusammenführen, visualisieren und gemeinsam nutzen

27 April 2023



**Fundamental:**  
Der Geobasiszwillung und seine Bedeutung für Urbane Digitale Zwillinge  
Mathias Boedecker und Dr. Nicole Schubbe

09.11.2023



Inner City – Thinking Forward! –



Energy Atlas Leipzig –

Fundamental – The Geo Base Twin

# Our City Cooperation on openCode.de





- Our project relies on an open, modular architecture based on open source
- Goal is the development, reuse and scaling of digital urban development tools
- openCode serves as a central platform for providing the software developed in the project
- To make digital twins usable for all municipalities all of our components are published and documented under open licences


 **Connected Urban Twins** 


Connected Urban Twins ist ein Smart Cities Modellprojekt. Hamburg, Leipzig und München entwickeln gemeinsam Urbane ...  
[Mehr lesen](#)


**Untergruppen und Projekte**   Geteilte Projekte   Geteilte Gruppen   Inaktiv







































 

Suche (mindestens 3 Zeichen)



Name 



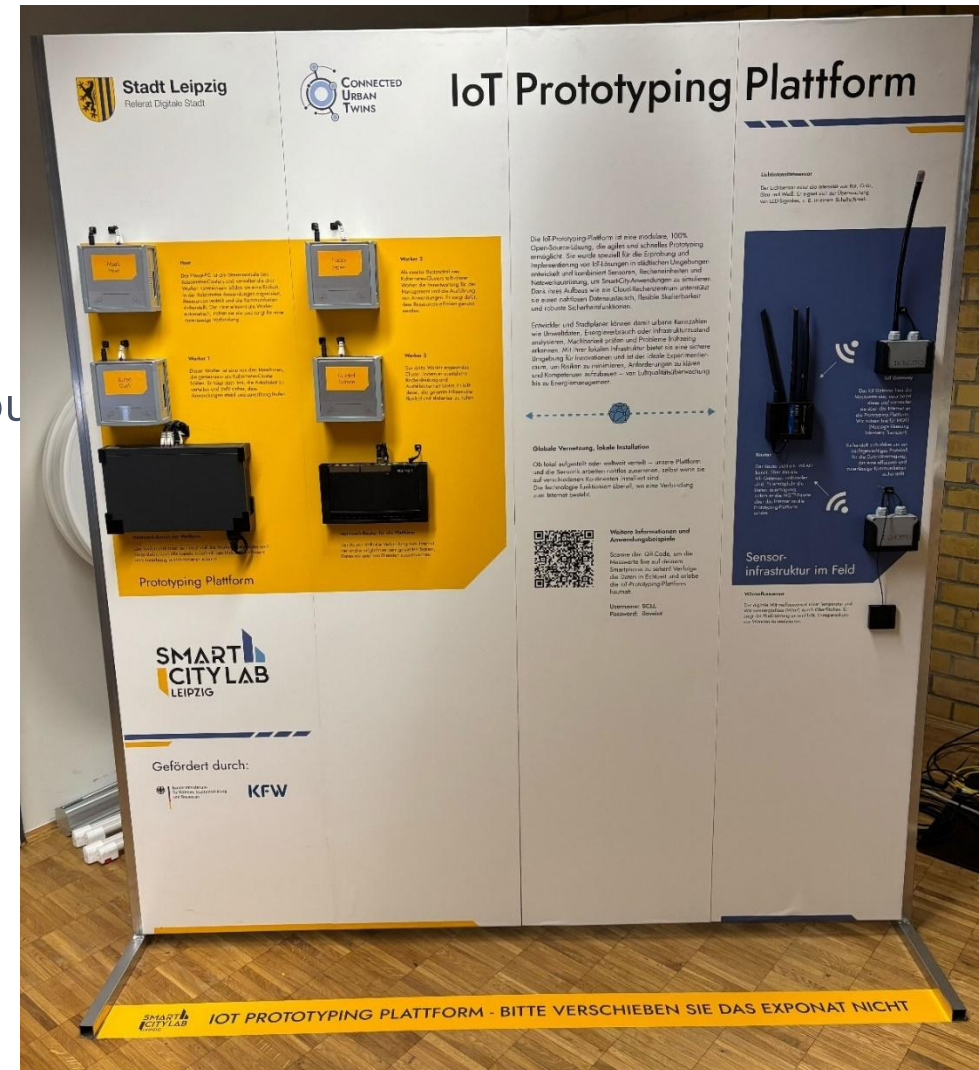
>	 	cut-hpa-genericwin 	 0	 9	 1
>	 	cut-hpa-vr 	 0	 1	 1
>	 	<b>Open Data Portal Leipzig</b>  Infrastructure-as-code Repository, CKAN-Extensions und Wiki für das <a href="#">Open Data Portal Leipzig</a>	 0	 7	 4
	 	cut-ckan-docker 		 1	1 year ago
	 	cut-csl-data-narrator 		 0	1 month ago
	 	cut-csl-mobilities-of-care-masterportal 		 0	2 years ago
	 	cut-csl-modelling simulation survey 		 0	1 year ago
	 	cut-csl-re3 		 0	1 year ago

<https://gitlab.opencode.de/connected-urban-twins>

# Leipzigs Prototyping Plattform

## This platform is a game changer!

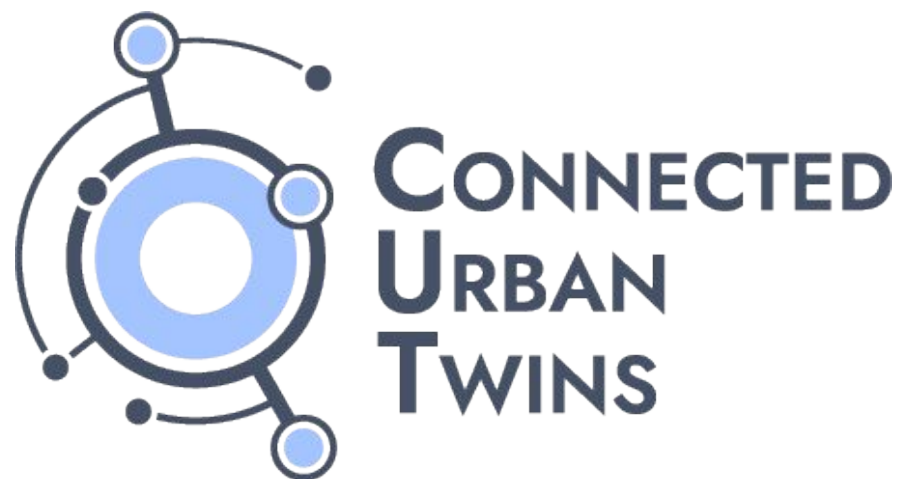
- The pop-up platform is structured like a cloud data centre
- This makes it the ideal place to quickly mount a prototype
- Developing prototypes together under production conditions
- Evaluate software in hours (instead of months)
- Test solutions immediately (instead of planning forever)



More information and construction plan on:

platforming.i





Partner Cities:



Funded by:



**Thank you  
for your attention!**

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City of Leipzig  
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