



Innovative Approaches to Sustainable Housing

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European City Network Webinar, 30.4.2026

LINZ

- 213.000 citizens
 - 100 km²
 - large industries (steel, chemicals, ...)
 - lots of social housing
 - 2nd place for European Rising Innovative City 2024
- ... and much more!



Source: <https://www.dreamstime.com/linz-vector-map-detailed-map-linz-city-administrative-area-cityscape-panorama-road-map-buildings-water-forest-linz-vector-image255233721>



Source: Stadt Linz

Sustainable Housing

- Affordable & high-quality living space
- Circularity in the building sector
- Governance & housing policy
- Green mobility & accessibility
- Renewable energy supply
- Climate adaptation
- ...



Source: <https://www.treberspurg.com/forschung/819/>



**Let's dive into some
best practices!**

Source: <https://media1.giphy.com/media/v1.Y2lkPTc5MGI3NjExeDndDhtaDN5cmxpb252aGRoYXJsaXhwZDM5OXIzeHJpaDkzNDE1cSZlcD12MV9pbnRlcm5hbF9naWZfYnlfaWQmY3Q9Zw/KmlTchPoFQT84/giphy.gif>

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Sources: <https://www.linz.at/stadtentwicklung/solarcity.php>



SolarCity

- Urban challenge in the 1980/90s:
High demand for housing with 12,000 people searching & lots of workers were living outside the city

→ solarCity Linz was built 1999 - 2005
- 1,300 apartments from non profit housing associations provide homes for approximately 4,000 residents
- residential buildings were constructed in low-energy standard, providing high quality comfort while reducing energy demand for heating etc.
- at least one-third of hot water demand is covered by their own solar energy, while the rest is supplied through district heating

SolarCity

- extensive green spaces and water management systems for rainwater infiltration and recreation
- mixed-use neighborhood with schools, childcare, health services, community facilities, ...
- Public transport connections to city center, ...
 - all within walking distance
- Won several international awards and is considered a best-practice of sustainable urban expansion in Europe

More Information and source of the photos:
<https://www.linz.at/stadtentwicklung/solarcity.php>



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Wohnen am Weidingerbach

- Best practice of urban densification and sustainable inner-city housing development
- 63 new flats developed by the non-profit housing association Linz (GWG Linz)
- on top of an existing local supply center, making efficient use of already developed urban space
- Strengthening of the fundamentals and the construction of the existing building for 3-times the originally built live load (weight)
- 3-story house of timber construction on top supporting sustainable building methods
- tram and bus stops right outside the building + short ways to supermarket, medical stores, ...



More Information and source of the photo:
https://www.linz.at/medienservice/archiv/2022/202206_115563.php



**... from local
implementations
to successful
initiatives ...**

re_use Linz

- Initiative to reinforce the dialog and project development for circularity in the building sector in and around Linz
- 1st Congress 2024 with 150 experts from the construction industry, public administration, civil society, ...
- 60 working meetings on different topics
- 2nd Congress 2025 with 250 experts and more than 20 best practices

Further details and source of the photos:
<https://reuselinz.at/>



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re_use Linz

WICK Social Urban Mining

Social Urban Mining = Use-oriented dismantling work with the support of social economy enterprises

- Building of an old window construction company was bought from another company
- Large parts of the building were reused, but some changes were required
 - materials were analyzed to identify reusable components and recyclable materials
 - selective deconstruction for reuse carried out with social enterprises, creating employment opportunities for people with limited access to the labor market
 - Carefully dismantled materials such as historic wooden floors, stair railings, windows, and doors were reused in other buildings

LINZ AG

BauKarussell



Sources: https://www.land-oberoesterreich.gv.at/Mediendateien/Formulare/Dokumente%20UWD%20Abt_US/Social_Urban_Mining_Linz_Bericht_2020.pdf



Source: <https://climatelab.at/social-urban-mining-wie-sozialer-rueckbau-die-baubranche-veraendert/>



Pioneer city project „Linz with Ambitio3xn“



Source: Blauensteiner, ÖGUT / BMIMI



- Partnership between the Federal Ministry and the 10 biggest cities in Austria to work together towards climate neutrality
 - First time in Austria for a partnership between two governance levels
- Partnership builds on two pillars:
 - strategic collaboration contributing to comprehensive climate mainstreaming; both sides gain valuable insights into decision-making processes, obstacles and opportunities. This knowledge helps to shape policies and structures in a more effective way
 - Financial resources for the 10 cities (à 2 Mio. €)

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Sources: Stadt Linz Deimling und Mayrhofer



Pioneer city project „Linz with Ambitio3xn“

- Linz built up 7 experts in different organizations, working on local implementations in Franckviertel (= typical worker district with lots of social housing)

What does the team work on?

- Expanding district heating
- Installation of shared bike stations and e-car charging stations with the active involvement of citizens
- Integrating sustainable housing standards into urban planning instruments for citywide implementation
- Establishing sustainable building standards with non profit housing associations
- Citywide greenhouse gas monitoring
- ...

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**Happy to hear your
questions,
and dive deeper in the
break out sessions!**

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Sources

1. <https://www.dreamstime.com/linz-vector-map-detailed-map-linz-city-administrative-area-cityscape-panorama-road-map-buildings-water-forest-linz-vector-image255233721>
2. <https://www.treberspurg.com/forschung/819/>
3. <https://media1.giphy.com/media/v1.Y2lkPTc5MGI3NjExeDjndDhtaDN5cmxpb252aGRoYXJsaXhwZDM5OXlzeHJpaDkzNDE1cSZlcD12MV9pbmRlcm5hbF9naWZfYnlfYWQmY3Q9Zw/KmlTchPoFQT84/giphy.gif>
4. <https://www.linz.at/stadtentwicklung/solarcity.php>
5. https://www.linz.at/medienservice/archiv/2022/202206_115563.php
6. https://www.land-oberoesterreich.gv.at/Mediendateien/Formulare/Dokumente%20UWD%20Abt_US/Social_Urban_Mining_Linz_Bericht_2020.pdf
7. <https://climatelab.at/social-urban-mining-wie-sozialer-rueckbau-die-baubranche-veraendert/>
8. Blauensteiner, ÖGUT / BMIMI
9. Stadt Linz Deimling und Mayrhofer

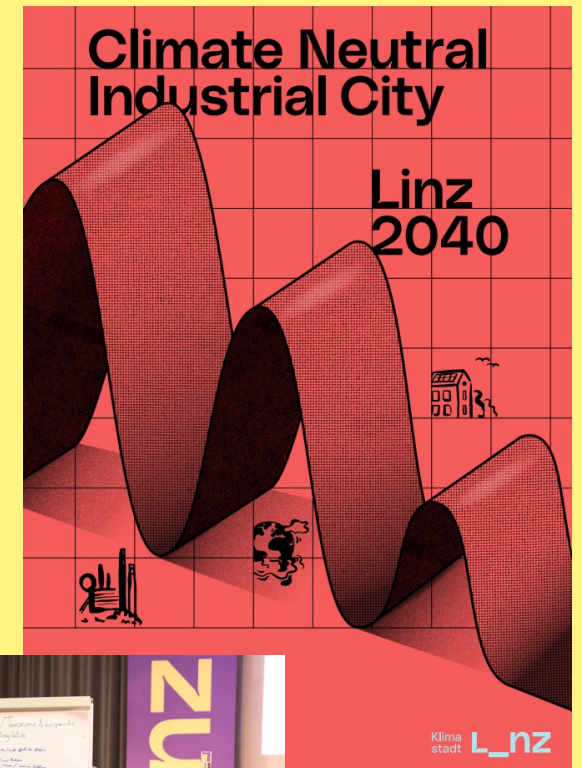
Climate Neutrality Concept

„Climate Neutral Industrial City 2040“

- City-wide concept for net-zero greenhouse gas emissions and sustainable carbon management
- From October 2022 until June 2023, 52 colleagues from the City Government and the Corporate Group of the City of Linz were involved in the development process
- Includes a catalogue of 52 measures, most of them have (in)direct affect on housing in Linz
- Austrian Administration Award 2023

Take a closer look:

https://www.linz.at/media/umwelt/KN-Konzept_EN.pdf



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Energy community company of Linz

„Linzer Energiegemeinschaft GmbH“

- 2023 political decision on the comprehensive expansion of PV on the city's buildings
- 2024 establishment company
 - is responsible for the energy monitoring, distribution and ongoing operation of the PV systems
- Since summer 2024: 17 new solar power systems on roofs
- Goal by 2028: To cover more than 40% of the annual electricity demand of the city of Linz from regional renewable energy sources



Source: Stadt Linz Pertlwieser



Source: LINZ AG

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