

# BauKarussell

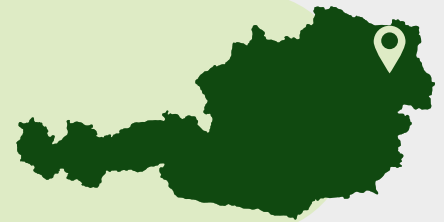
## Circular deconstruction & reuse of building components

BauKarussell is an Austrian cooperative based in Vienna, specializing in circular deconstruction and the reuse of building components. With its “Social Urban Mining” approach, BauKarussell analyzes and documents existing buildings, identifies reusable materials, and organizes their targeted dismantling and reuse. The aim is to preserve the material value of buildings, keep resources in circulation, and, at the same time, create social impact through qualification and employment.



### Relevant Resources in the Loop

- **EXISTING BUILDINGS** - as a source of reusable materials
  - Selective dismantling and separation of building components
  - Digital recording and assessment of reuse potential
  - Transfer and reuse in new construction projects
  - Recycling of remaining materials as secondary raw materials



### Methods & Approaches of Circular Economy

BauKarussell applies the “Social Urban Mining” approach to systematically analyze buildings and record their material stock. Reusable components are selectively dismantled, digitally documented and prepared for reuse. Through material-specific separation and targeted redistribution, materials are kept in circulation and secured as resources for new construction projects, while non-reusable materials are properly recycled or disposed of.

### Impact & Added Value

BauKarussell demonstrates how existing buildings can be used as valuable material reservoirs rather than becoming mere sources of waste. Through structured analysis, selective dismantling and targeted redistribution of components, use cycles are extended and waste is avoided. At the same time, the model creates social value by qualifying people who are distant from the labour market and integrating them into future-oriented professions. This approach combines ecological, social, and economic objectives and shows how materials from existing buildings can be kept in circulation purposefully.



### Ecological Benefits

- Waste prevention through the reuse of building components
- Resource conservation by extending material lifetimes
- High-quality material separation for improved recycling
- Reduction of greenhouse gas emissions through increased resource efficiency
- Contribution to circular construction & deconstruction



### Social Benefits

- Qualification & employment of people distant from the labour market
- Support for re-entry into the labour market
- Knowledge building in future-oriented professions
- Involvement of users & local communities
- Redistribution of components to non-profit organisations



### Economic Benefits

- Reduced disposal & material costs through reuse
- Co-financing of projects through reuse revenues
- More efficient use of existing building resources
- Support in complying with regulatory deconstruction requirements
- Development of new value chains in the construction sector