

Densification with **Fill the Gap**

Cities have been growing in the past. This trend will continue, leading to a growth of population in the cities. The WHO estimates that by 2017 a majority of people will be living in urban areas¹⁾.

In order to create accommodations, working space or recreational facilities new buildings have to be constructed or existing buildings need to be extended. **Fill the Gap** addresses the latter, by adding additional stories more room is created without the need for additional land.

A possible project was developed for Warsaw, where a four storey timber frame is positioned on top of a two storey office building. The added stories contain apartments; working space at the bottom, accommodations on top.

Timber was chosen due its light weight and quick erecting time. The apartments are designed as modules, which are placed in the frame. This reduces the construction time as well as the amount of space needed for the construction process.

¹⁾Urban population growth, GHO data, www.who.int



Visualisation of a case study in Warsaw



Construction process: A timber frame is constructed on top of an existing building, the prefabricated apartment units are added like drawers

Want to know more? Contact us:

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