

General Information

- **Project Title:** Affordable and Adjustable Living and Mobility for sustainable Integrated Urban Systems in Egypt
- **Project Acronym:** A²L-Mobilius
- **Sponsor/Client:** Germany Ministry for Education and Research and the Science and Technology; funding code: BMBF/GERF-IB-033
- Development Funds of the Arab Republic of Egypt
- **Budget:** ca. 150.000 €
- **Duration:** 2015 - 2018

Abstract

The project's goal is to insert a pleasant living and working environment into existing and individual living environment by an intelligent, modular building system which is able to evolve and transform over time. As key element a compact, prefabricated unit will be developed, which houses the main technical units of a residential building and thus acts as the „nucleus“ of a residential building. The cell-like unit is called the DPU (Decentralized Processing Unit) and includes three main subsystems (subsystem for energy production; subsystem mobility: docking station for innovative, electro-based micro-vehicles; subsystem for Life-Work Balance: Mini production unit or mini office for at home). In a dialogue with the users the main building material will be specified.

Key Facts

- Construction and housing system for informal settlements in Egypt

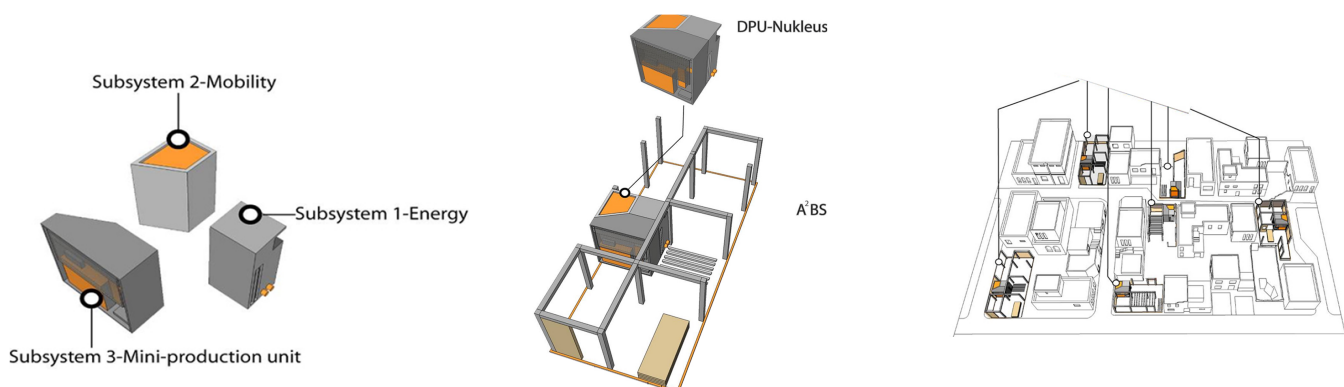


Figure 1: It is showing the affordable, as well as adjustable living and mobility solution with the “nucleus” with the three main subsystems for sustainable integrated urban systems in Egypt



Contact Information