



BUILD\_ME



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# BUILD\_ME Factsheet Egypt: About the low-energy buildings sector

Updated: August 2021

## Recent developments

- The Central Bank of Egypt (CBE) launched an EGP 100 billion mortgage finance initiative targeting low and middle-income residents. This is the largest mortgage finance programme in Egypt.
- Some mega urban development project have been inaugurated in several new cities such as the administrative capital, New Al-Alamein and other cities.
- Continuation of ban on new construction of residential buildings in some areas of Cairo and Giza.

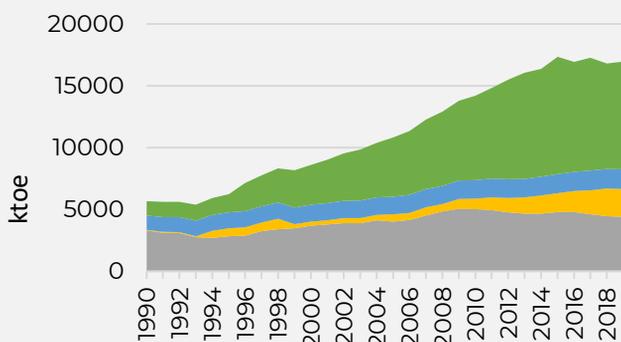
## Macro-Economic Indicators

<b>101.3M</b>	Inhabitants (2020) <sup>1</sup>
<b>\$3,020</b>	GDP per capita (2019) <sup>2</sup>
<b>5.68%</b>	Avg. Inflation rate (2019-2020 per annum) <sup>3</sup>
<b>0.05€/kWh</b>	Average electricity price (2020-2021) <sup>4</sup>

## Building Sector

<b>7.5%</b>	Construction sector growth rate (2020) <sup>5</sup>
<b>3,233 EGP/m<sup>2</sup></b>	Average cost of new construction (urban multi-family houses) (2019) <sup>6</sup>
<b>1M/12 M</b>	Number of single/multi-family households (2017) <sup>7</sup>
<b>94.55 TWh</b>	Energy consumption of building sector (residential, governmental entities, commercial and other uses) (2018-2019) <sup>8</sup>
<b>24%/76%</b>	Dwelling ownership structure: rented/owned (2019) <sup>9</sup>

## Final Energy Consumption of the Building Sector



■ Electricity	■ Biofuels and waste
■ Natural gas	■ Oil products
■ Coal and coal products	

Source: World Energy Balances (2021 edition)

## Typical Energy Efficiency Measures

### Residential

- 1) Energy efficient HVAC system
- 2) Energy efficient appliances
- 3) Enhancing building envelope by adding insulation and/or minimising areas of fenestration

### Non-residential

- 1) Energy efficient HVAC system and lighting fixtures
- 2) Enhancing building envelope by increasing U value of walls, roofs and windows/glazing

To download this factsheet and find out more about the BUILD\_ME project, visit [www.buildings-mena.com](http://www.buildings-mena.com).



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# BUILD\_ME Factsheet Egypt: Project Activities

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**CLIENT:** International Climate Initiative funded by the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

**DURATION:** 2016 - 2021

## CONTACT

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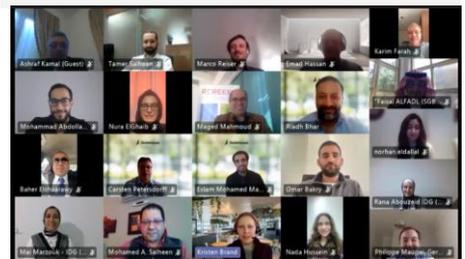
## BUILD\_ME highlights in Egypt from the first half of 2021:

- Provided continuous support to BUILD\_ME pilot projects.
- Concluded the key recommendations to improve the energy efficiency building code EEBCs in cooperation with HBRC.
- National workshop held on 11 March 2021.

## Policy Recommendations

- Gradually update and enforce Energy Efficiency Building Codes EEBC by, e.g. providing incentives.
- Foster synergies between different stakeholders/ strategies related to energy efficiency, including EEBCs implementation in the national strategies.
- Build capacity of different stakeholders on implementation of energy efficiency measures.
- Implement pilot projects and disseminate their results to showcase benefits of energy efficiency.

## National workshop, 11 March 2021



## Tools

- Demonstration projects database currently includes 19 projects from Egypt. Click [here](#) to upload your own project.
- Buildings Energy Performance (BEP) Tool launched. Click [here](#) to explore the Tool.

## Dissemination & Trainings

- Training of trainers on climate-friendly buildings and using BUILD\_ME's BEP Tool.
- Trainings for architects/project developers on 3-4 August.
- Download training materials [here](#).

## Pilot Projects

- BUILD\_ME supported six pilot projects in Egypt by providing demand-driven technical assistance to project developers. The projects represent a mix of functions and buildings such as university, single-family house and mixed-use building.
- Some pilot projects began implementing the energy efficiency recommendations proposed by BUILD\_ME.



### Alexandria

- Palm Hills, Alexandria

### Mansoura

- New Al-Mansoura University

### Greater Cairo

- Cairo West Residence
- Beverly Hills 229
- Heliopolis Residence
- Palm Hills

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