



BUILD\_ME



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

Updated: January 2021

## Recent developments

- National urban development projects such as the New Administrative Capital and New Alamein City began adopting energy efficiency measures.
- Inauguration of some mega projects postponed to 2021 due to COVID-19.
- Private construction permits in existing cities resumed after six-month suspension.
- Ban on new construction of residential buildings in some areas of Cairo and Giza announced.

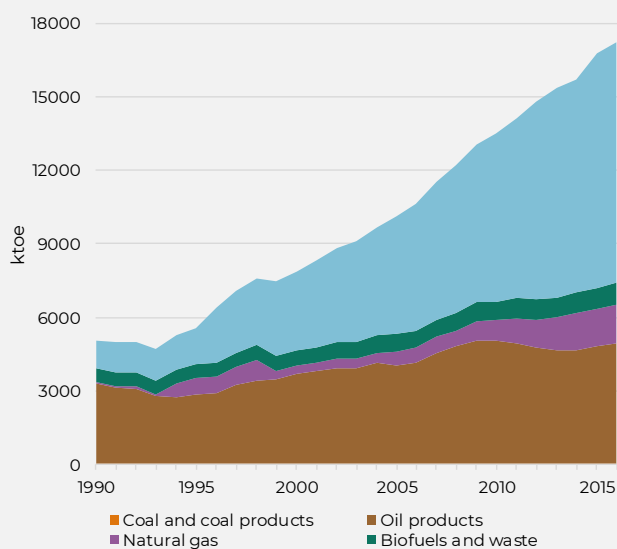
## Macro-Economic Indicators

<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



## Typical Energy Efficiency Measures

### Residential

- 1) Energy efficient HVAC system
- 2) Energy efficient appliances
- 3) Enhancing building envelope by adding insulation and/or minimizing 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

Last updated: January 2021

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

**DURATION:** 2016 - 2021

## CONTACT

BUILD\_ME@guidehouse.com  
iki@idg.com.eg  
www.buildings-mena.com

Check us out on the web:  
[www.buildings-mena.com](http://www.buildings-mena.com)

## BUILD\_ME highlights in Egypt from the second half of 2020:

- Published the building typology database
- Contributed to the reference buildings database
- Conducted interviews with local experts as part of the analysis of energy efficiency building code

## Policy Recommendations

- Gradually enforce Energy Efficiency Building Codes by providing incentives
- Foster synergies between different stakeholders/strategies related to energy efficiency
- Build capacity of different stakeholders on implementation of energy efficiency measures
- Implement pilot projects and disseminate their results to showcase benefits of energy efficiency to different audiences.

Meeting with key stakeholders in Cairo in December 2020.



## Tools

- Used BEP tool to calculate energy benchmarks for new buildings in Egypt and generate country specific values
- Developed building typology for Egypt with energy performance reference values
- Demonstration projects database currently includes several projects from Egypt. To add your own project, check out the project website [here](#).

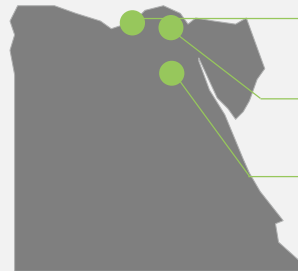
## Dissemination & Trainings

Two online seminars:

- 3 November: *Understanding the Context and Barriers in Egypt, Jordan, and Lebanon*. See more [here](#).
- 26 November: *Tools to mobilise financing and accelerate energy efficiency*. See more [here](#).

## Pilot Projects

- Six pilot projects selected based on the evaluation of an initial list of potential projects
- Four pilot projects developers have signed an MoU to be supported by the BUILD\_ME project.
- BUILD\_ME team started providing demand-driven technical assistance to project developers.



### 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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