



# OTHAIM MALL AL RABWA

Riyadh, KSA



## Challenge

Othaim Mall Al Rabwa appointed ENGIE Solutions to identify energy savings solutions for the mall. With electricity and water costs becoming one of the single major costs of running the mall, the impact on the mall's profit margins was likely to be impacted as the new electricity and water tariffs come into effect.

## Solution

ENGIE Solutions identified different energy savings measures to reduce the mall's utility bill up to 2.45 million SAR per year.

- Installation of chiller plant manger
- Installation of evaporation cooling systems
- AHU/ FAHU VFD installation
- Thermal coating for AHU duct/ package unit
- Installation of control device to DX unit
- Unstallation of control device to refrigeration units

## Project Details

- Payback Period: 2.3 Years
- Annual Energy Savings : SAR 2,170,541
- Energy Savings: 24%