



Project Name

Reduce Energy Consumption in the Main Hospital Parking Areas.

Site

Jeddah

Department

Engineering Utility and Maintenance

Project Status

Completed

Project Start Date

05-01-2018

Project End Date

09-30-2018

Problem: Why the project was needed?

An analysis of the actual consumption values at KFSH&RC – J over a year revealed that electrical consumption is 84% higher than the international Benchmarks (IFMA2013). A (PI) project had been initiated to reduce the high consumption of energy.

Aims: What will the project achieve?

To reduce the power consumption for parking areas lighting to 60% by September 2018.

Benefits/Impact: What is the improvement outcome?

(check all that apply)

- Contained or reduced costs.
- Improved productivity.
- Improved work process.
- Improved cycle time.
- Increased customer satisfaction.
- Other (please explain)
Click or tap here to enter text.

Quality Domain: Which of the domains of healthcare quality does this project support?

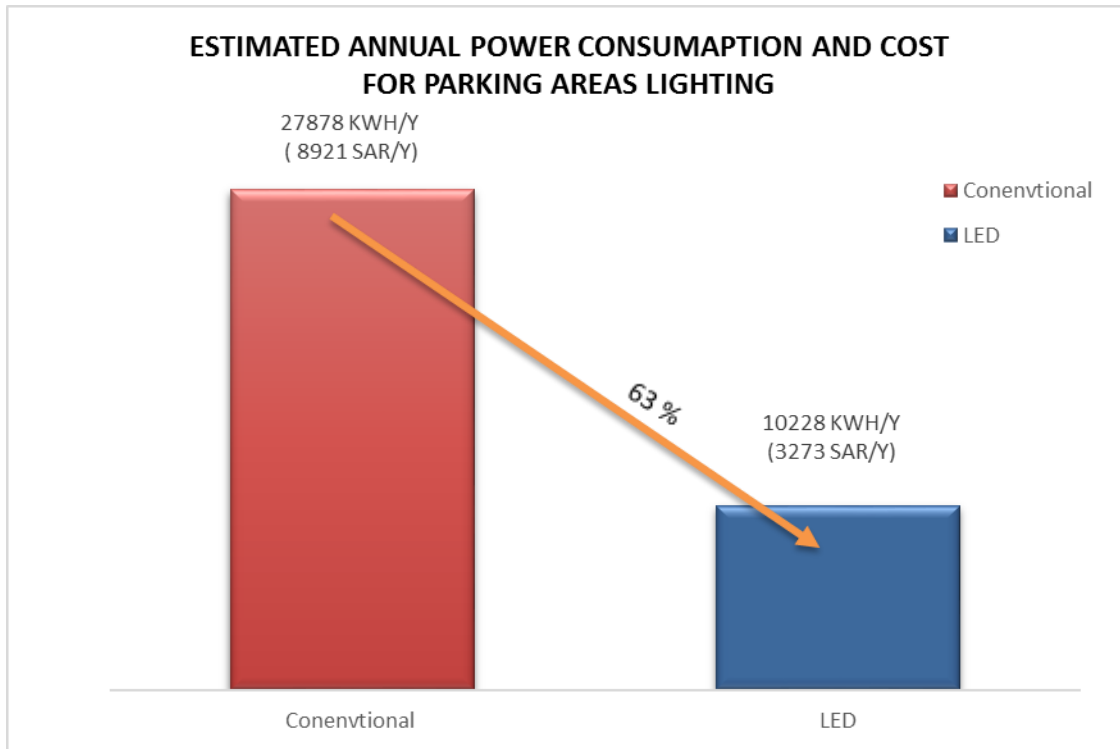
(Select only one)

Efficient

Interventions: Overview of key steps/work completed:

- One of the root cause for high energy consumption was the use of conventional lighting. It consumes approximate 5,529,927 KWH/Y while LED lighting uses energy 60-65% less than the conventional lighting.
- Conventional lighting will be replaced to LED lighting over the hospital campus, and the project will be divided into phases as following (Parking area lighting, external lighting, and internal lighting).
- Prepare study about replacement of the conventional lighting to identify the target of power saving and cost saving in addition to the expected return back.
- Check/follow Saudi building code lighting requirement to increase the lighting efficiency.
- Replacement of the conventional lighting with LED in the Parking Area.
- Conduct measurement for the power consumption of the LED lighting in the parking area.

Results: Insert relevant graphs and charts to illustrate improvement pre and post project
(insert relevant graphs, data, charts, etc.)



Project Lead

Name

(person accountable for project)

Hani El khatib

Team Members

Names

(persons involved in project)

- Alanood Abdulfattah (QM facilitator)
- Marwan Al Jefri
- Abdul Rahman Al Qahatani
- Mahmoud Refay
- Amer Al Qassar