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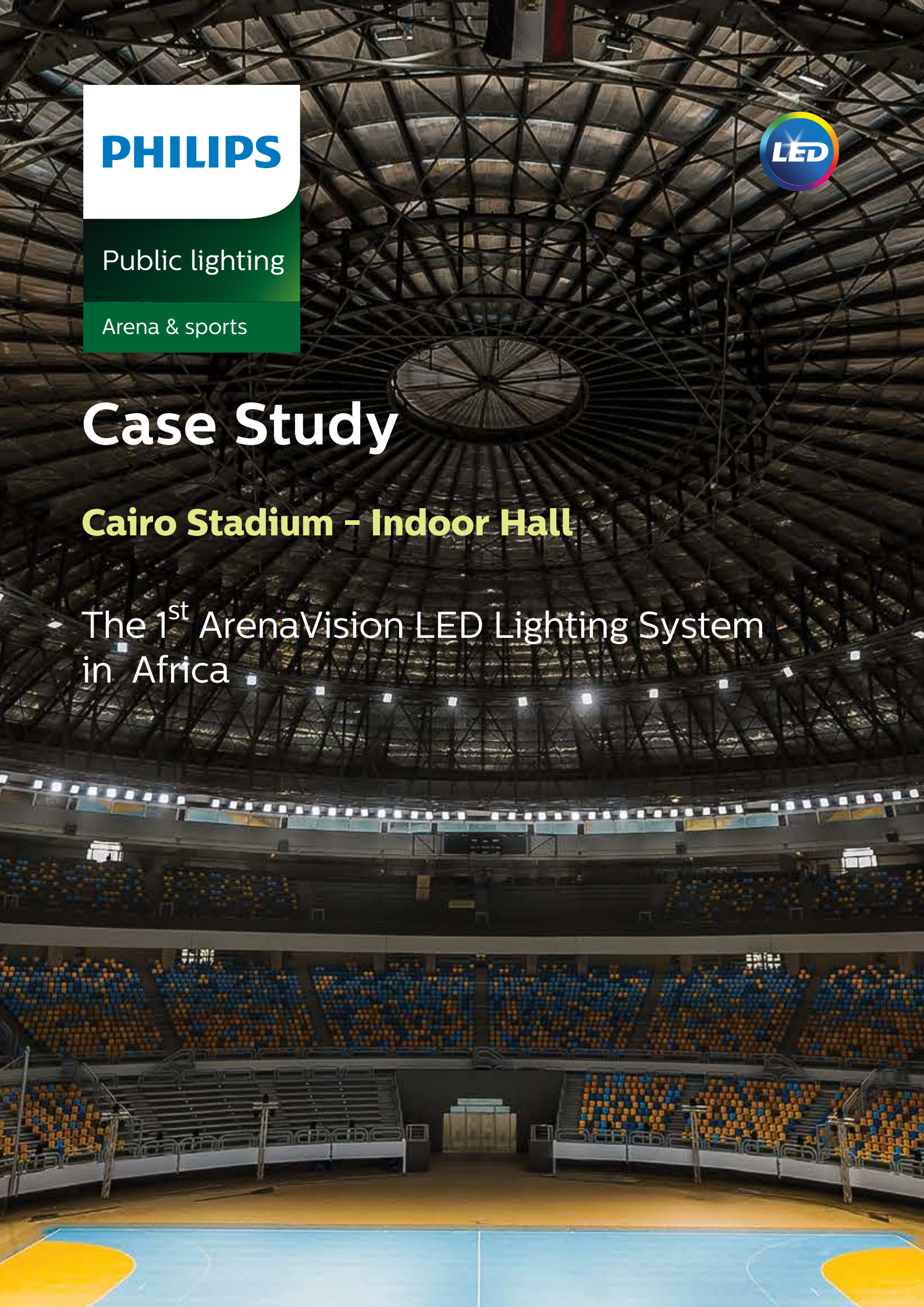
Public lighting

Arena & sports

Case Study

Cairo Stadium - Indoor Hall

The 1st ArenaVision LED Lighting System
in Africa





Project Team

Philips Egypt & Dubai System Center

Photography Tribute

Revival Pictures

Business Partner

Hi-Tech

Location

Cairo Egypt

Background

Cairo Stadium - Indoor Hall Complex consists of 4 Olympic-standard, multi-use indoor sporting arenas, located near the Cairo International Stadium in Cairo, Egypt. The capacity of the Main Hall is 20,000 spectators. It is used for several events, like handball, volleyball, international conferences, parties and fairs. It was then used to hold all African Games with over 43 countries participating in 18 different sports.

The Project

Philips Lighting Egypt team was approached to replace in less than 4 months the existing conventional ArenaVision Luminaires with the latest ArenaVision LED Systems, to be ready for hosting the African Men's Handball Championship 2016. The project created an iconic example for sports lighting in Egypt. Achieving extreme energy savings as well as increasing the possibility of participating in International sports tournaments by achieving the International required levels of lighting.

“ Our challenge was to replace the existing ArenaVision Conventional Luminaires with ArenaVision LED Systems in less than 4 months. Project scope included wiring, steel construction and commissioning, luminaires aiming and programming. One of the biggest challenges in the project was also to construct a new CATWALK in order to be able to install **the new ArenaVision LED Systems on time** ”



Sports (Stadium)

Juan Pablo Pasture, Systems Engineering Manager, Dubai Systems Center
Philips Lighting, Africa, MET and RCA





Lighting Design

Design consisted of 160 luminaires, with such design, we were able to accomplish up to 50% energy savings in comparison to the existing conventional lighting.

In addition to that upgrading the lighting to support high definition broadcasting as per the International level standards, with the new CATWALK built to support the new installation.

Benefits

- Design flexibility to upgrade the lighting to support high definition broadcast.
- Flicker free to avoid any effects on televised applications.
- Creation and triggering of lighting atmospheres and sequences.
- Instant Switch On/Off to allow switching between different types of events and themes during games or entertainment shows.



Better
broadcasting
quality



Unique
atmosphere
and
excitement



Better
view for players



Low
maintenance
costs

“ The new lighting system output is much stronger than the old one, it also enabled high definition, **flicker free TV broadcasting, with almost 50% energy savings** in the power consumption. Now we can use the stadium for entertainment shows, exhibitions, sports opening ceremonies ”

Yasser Abdolmoneim Aly,
Cairo Stadium Covered Halls Complex Manager



GreenPerform LED

Highbay – significant energy savings

Benefits

- Reliable light output throughout lifetime.
- Saves up to 60% energy compared to HID lighting system.
- Attractive return on investment with superior performance.



Green Perform
High Bay



ArenaVision LED

Enabling sports venues to offer a new experience

Benefits

- Maximum design flexibility and a high level of lighting quality – no flicker effect in televised applications.
- Creation and triggering of lighting atmospheres and sequences, as well as flexibility in switching between different types of events.



ArenaVision
LED



CoreLine Surface-mounted

The clear choice for LED

Benefits

- Enables a simple switch from basic conventional luminaires to LED luminaires.
- Energy saving of up to 45% compared to functional TL-D luminaires.
- Slim design with a height of less than 40mm.



Coreline surface
mounted





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