

# The Off-Grid Solar Energy Services Market: IFC's Work to Support Private Sector Investment in Off-Grid Energy Services

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### Driving the Market

The Lighting Africa / Lighting Asia Experience

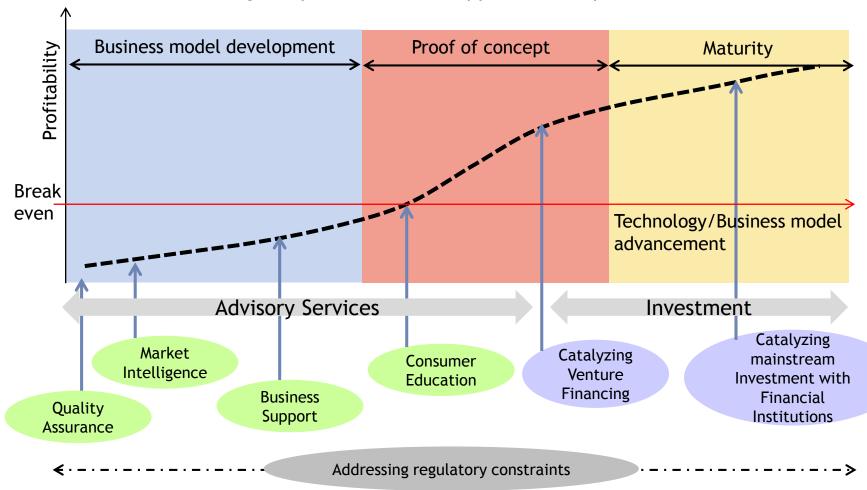






### Catalyzing market development

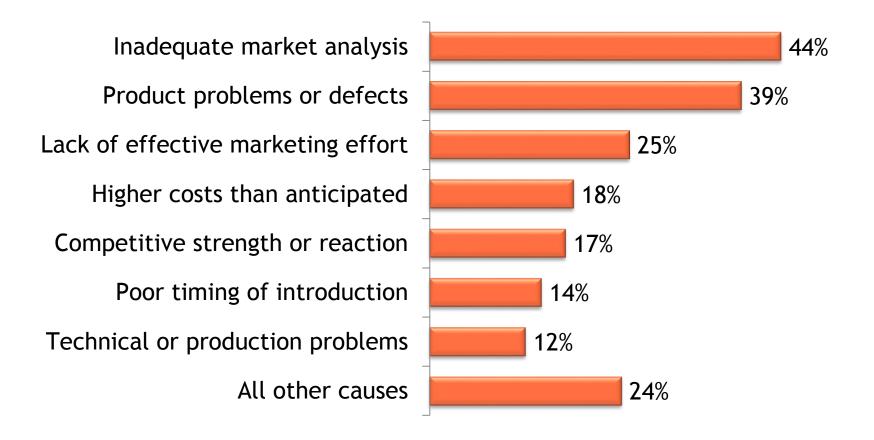
Lighting Global operates along the market transformation curve, focusing on specific market support/development activities







### Primary reasons for unsuccessful consumer product launch



Source data TNS Research: 2010





#### Consumer Education: Innovative use of media







# Engaging in a spoiled market: building a sustainable market on a foundation of quality













### How products are tested

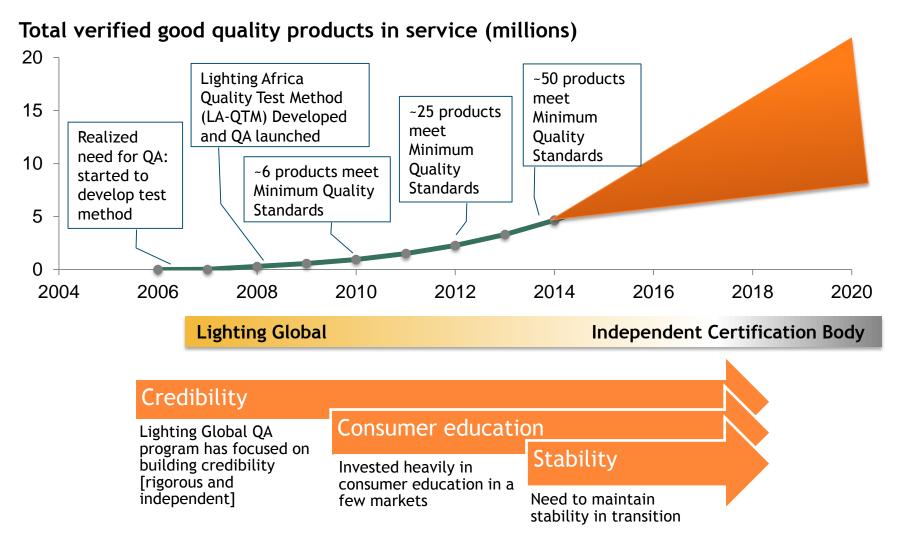








### Quality Assurance is foundational to growing market



Source: Lighting Global IFC Team

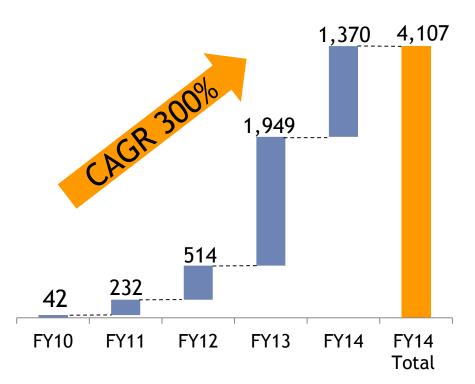




### Quality approved SPLs have grown at approximately 300% and now represent over a half of the African market

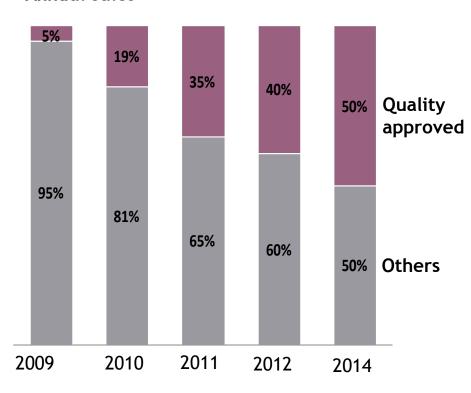
Cumulative sales of quality-approved SPLs in Africa

Thousand SPLs



Market share of quality-approved SPLs

Annual sales



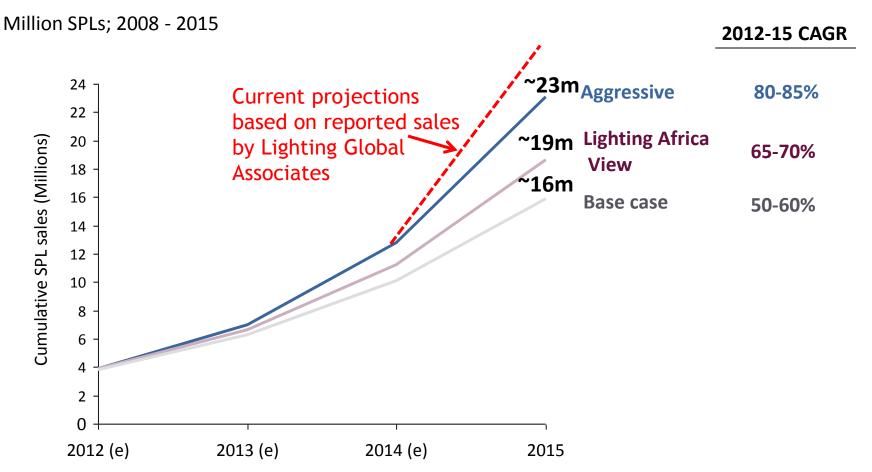
Source: Lighting Africa sales data





#### Cumulative sales could grow to ~23 million by 2015 in the aggressive scenario

#### Forecast of cumulative SPL sales in Africa over time



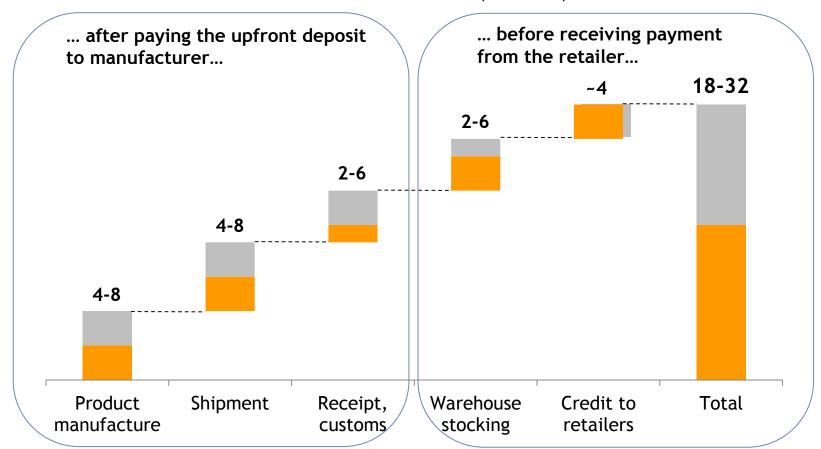
Aggressive scenario assumes (1) Entry of 2 MNCs; (2) Entry of 2 additional manufacturer-led brands; (3) High growth of pay-per-use models; (4) and aggressive rates of replacement and incremental sales Source: Lighting Africa sales data, World bank data set on Population, Dalberg analysis



www.lightingafrica.org -

## A growing market constrained by short term cash requirement for manufacturers & distributors

Product distribution timeline from manufacture to sale (in weeks)



Source: "Growth Capital for Off-Grid Lighting Companies", Lighting Africa (2010); Dalberg analysis



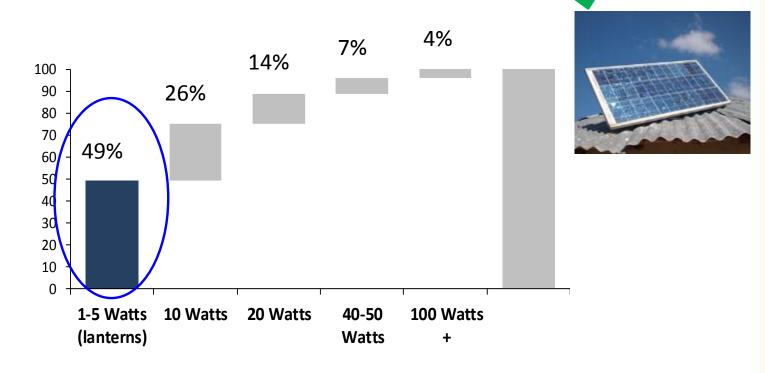




### Consumer's aspiration is driving innovation and new opportunities: pico-powered lanterns are- the first step in the RE energy ladder

Segmentation of potential market for solar lighting devices







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### Behind the Market.... people



The Farmer



### Behind the Market.... people



The Hotel Owner



### Behind the Market.... people



The Bike Shop

