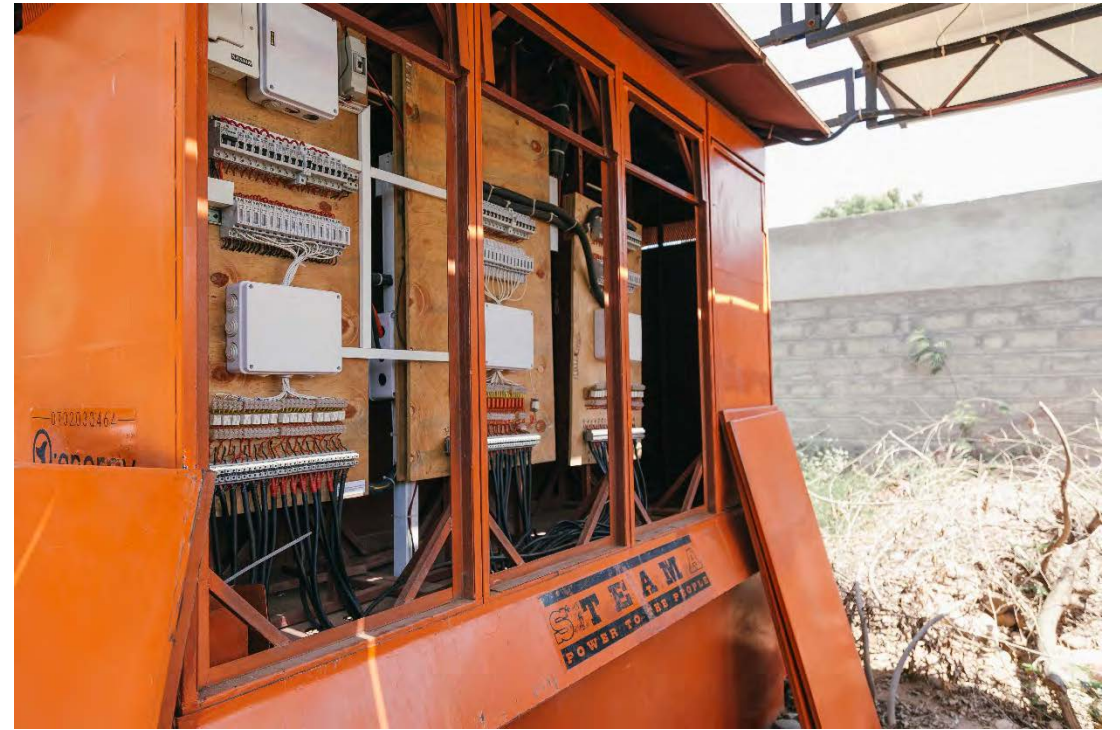
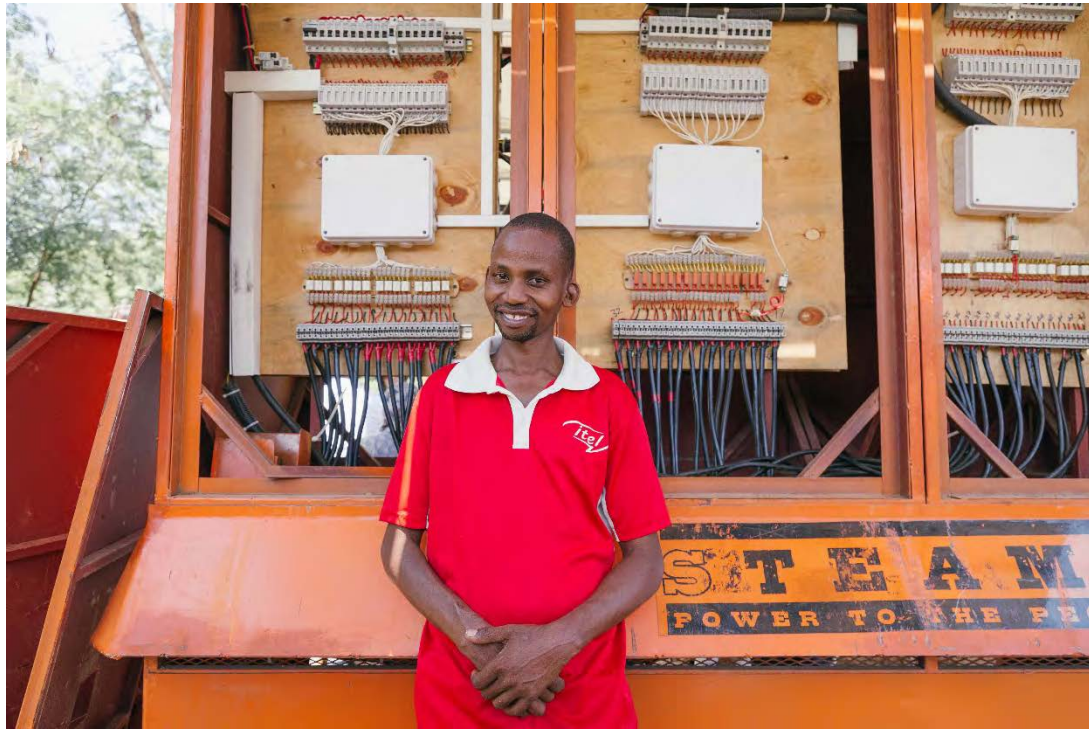


FIELD VISIT



FIELD VISIT



FIELD VISIT



FIELD VISIT



FIELD VISIT





ES&F
Peter Liberial
HONER Energy
USA

Parastatal

Y. Peter Liberial

Mini-Grid Concessions in Africa: Preliminary Findings

Richard Hosier
World Bank
18 May



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ESMAP
Jacob K. Chepkwony
Ministry of Energy

ESMAP
Benon Bena
Uganda



Parastari Parastari

KENYA'S
MUSICIANS

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Parastar



KENYAS
WATCHING



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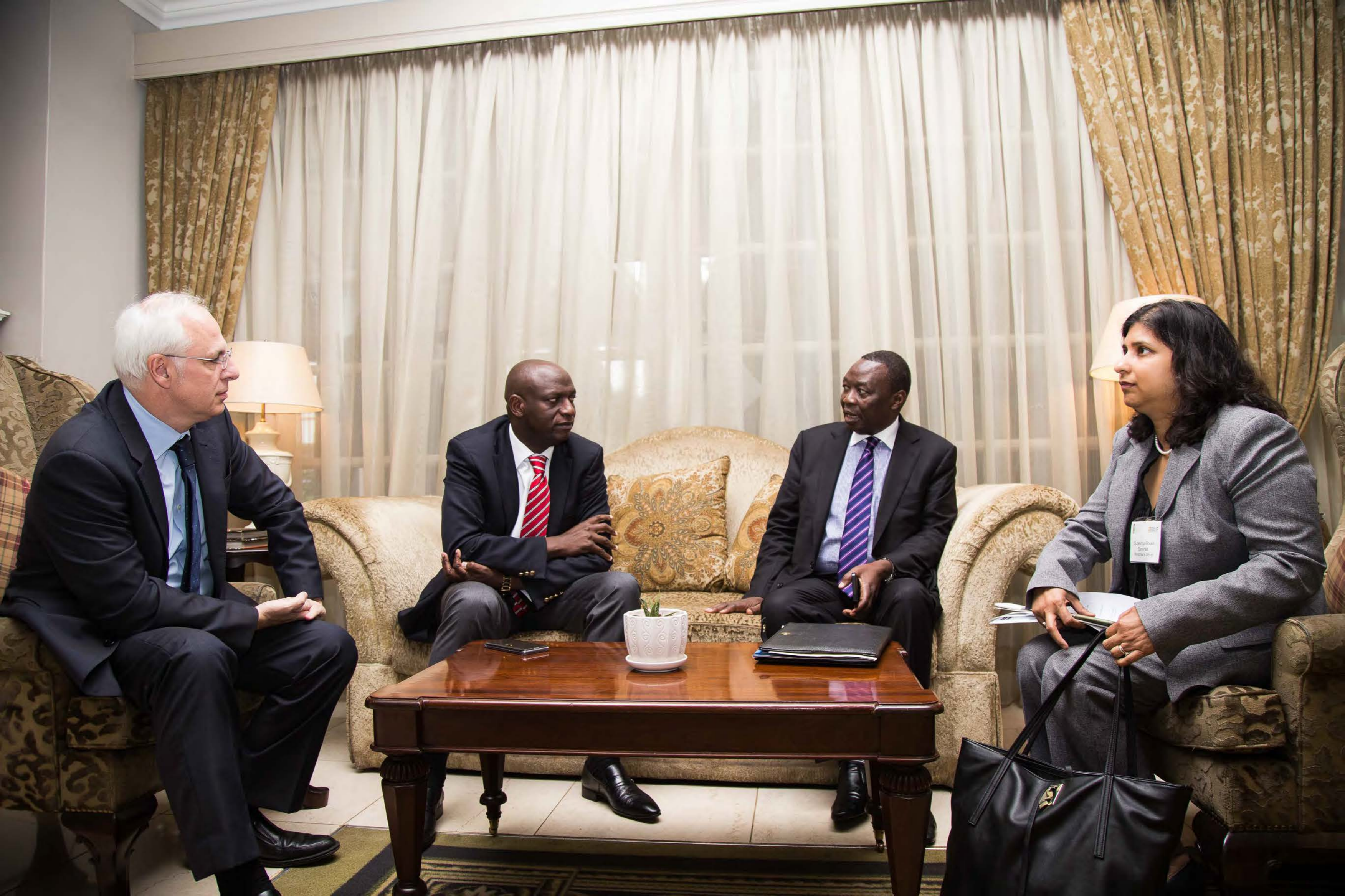
ESMAP
HON. CHARLES KETER
Ministry of Energy & Petroleum, Kenya



ESMAP
Mrs. Diariétou Gaye
World Bank Country Director, Kenya







Sumera Ghosh
Senior
Marketing Officer













Chris Granger
West Air Group

Statement of Work



Push bar to open



Mira Ardor
Lumina

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where
(s)do?

ESMAF
Subodh Mathur
University



ESMP
Andrew Tipping
Economic Consulting
Associates UK



ESMP
Charles Irugi K.
Fortin Limited
Kenya







A man with glasses and a light-colored suit is speaking at a dark wood podium. He is gesturing with his right hand. On the podium, a laptop is open, displaying a logo. The podium features the text "Fairmont THE NORFOLK" in white. In the background, there is a wall with a decorative sconce holding two lit lamps.

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Implementation

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h grants

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Dr. Kapila S...
DFCC

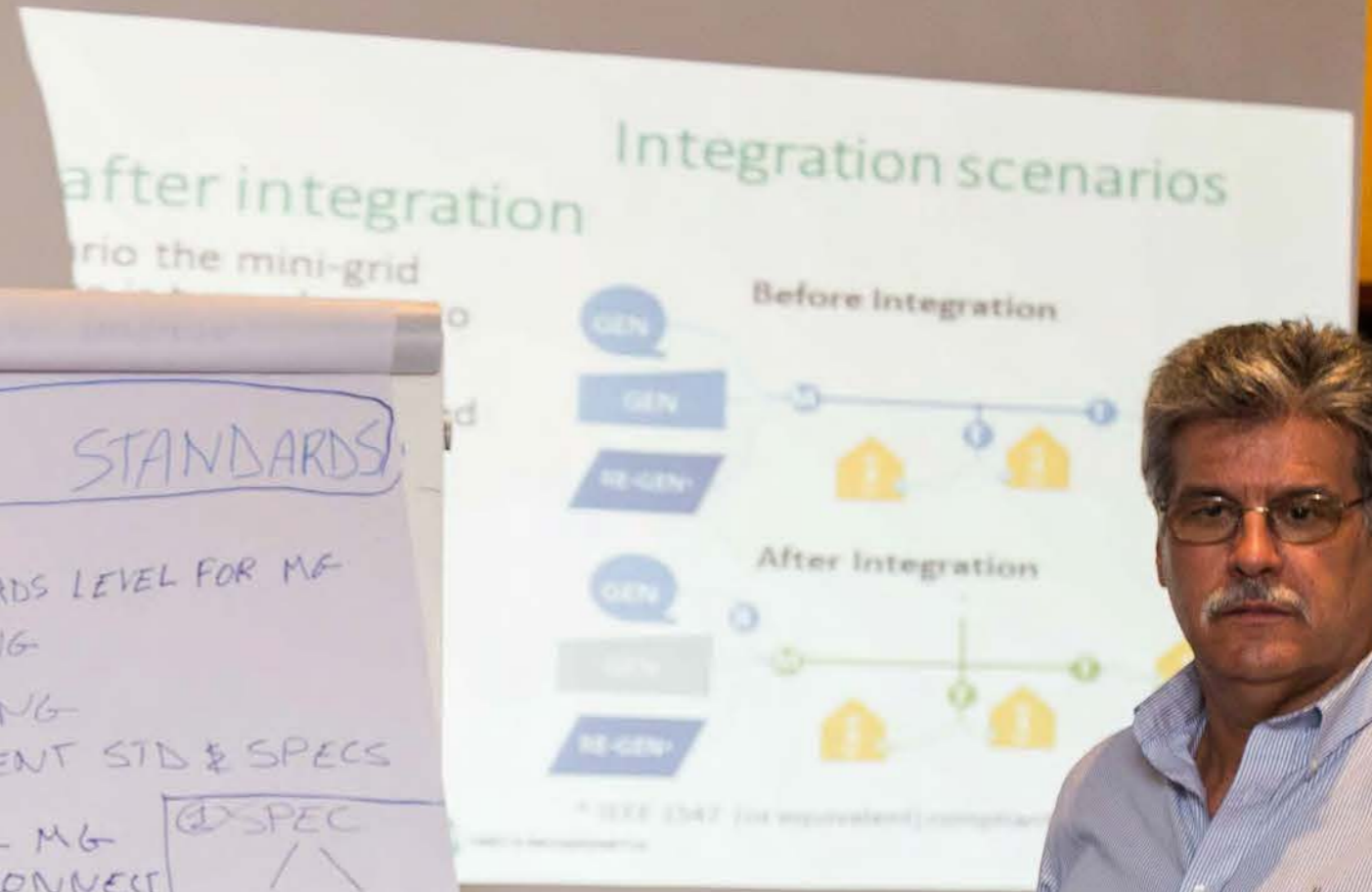


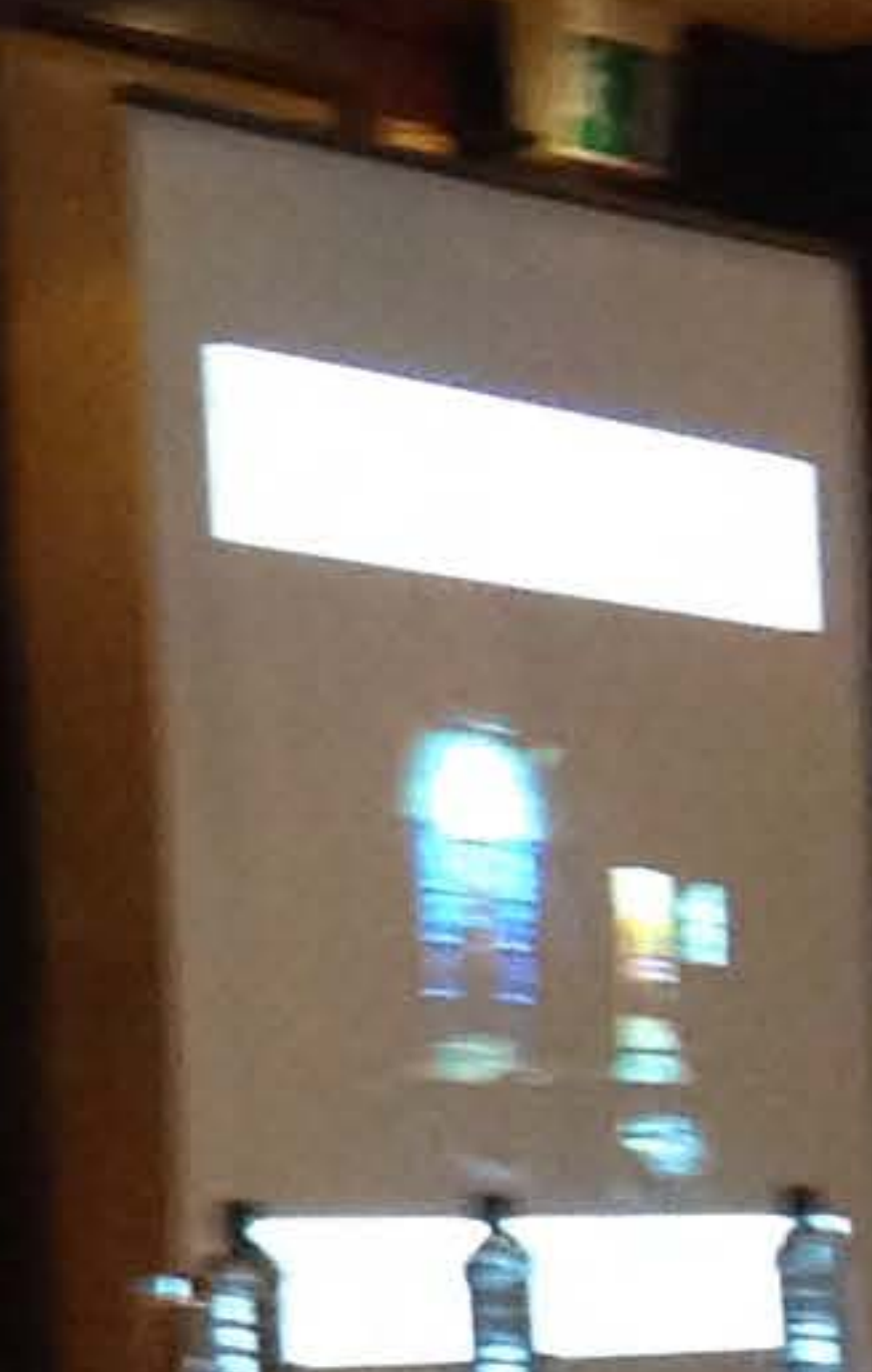
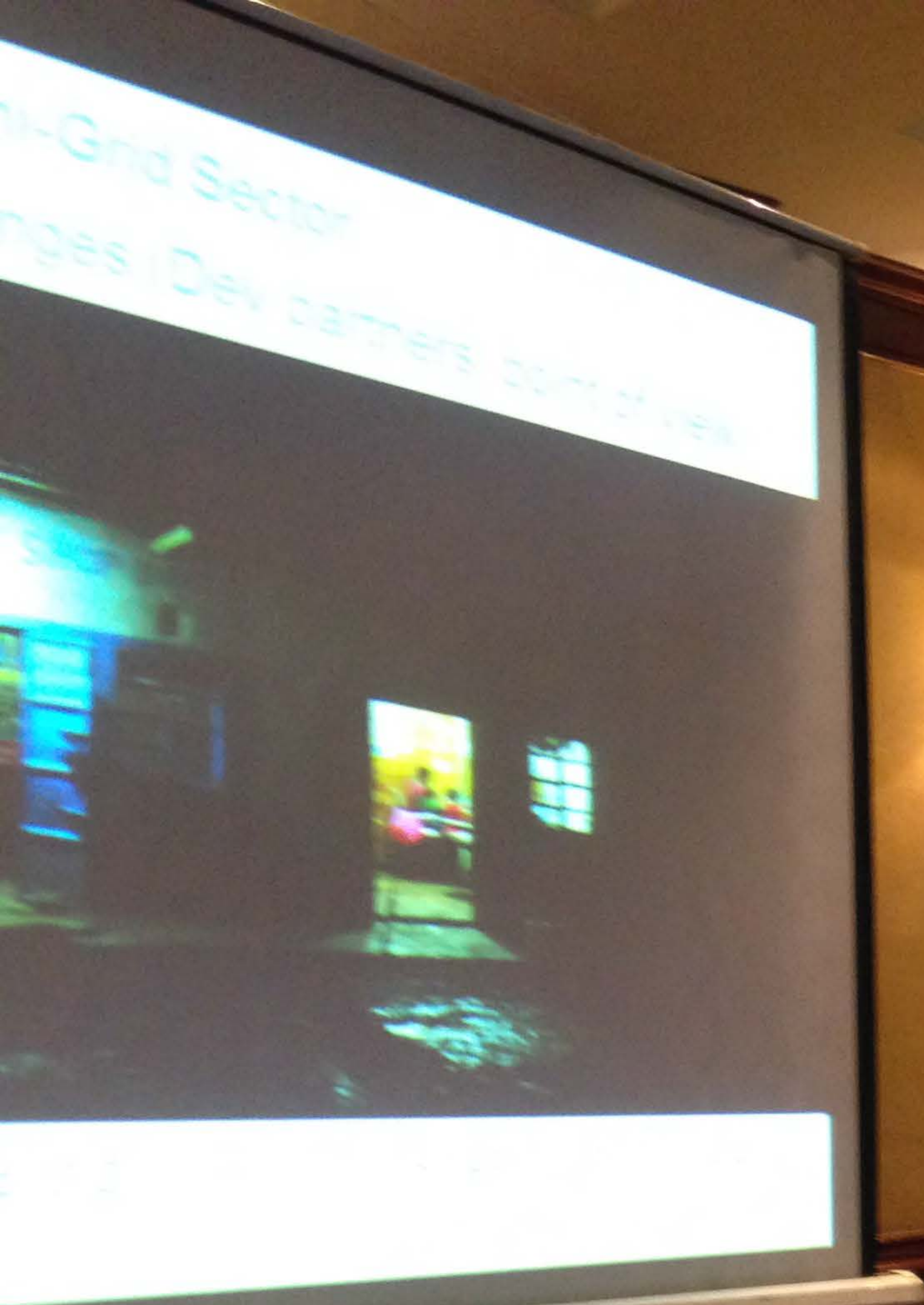
TECH STANDARDS

- * COST
- STANDARDS LEVEL FOR MG
- * METERING
- * BILLING
- * EQUIPMENT STD & SPECS
- * LV SMALL MG INTERCONNECT
- * WHO PAYS FOR THE HIGH COST OF THE MG-GRID
- * DC INTERCONNECT
- * MG Voltage Levels
- * ~~WHAT IS~~
- * STORAGE & GEN

① SPEC

- STRUCTURES
- STDS
- DESIGN
- GUIDELINES

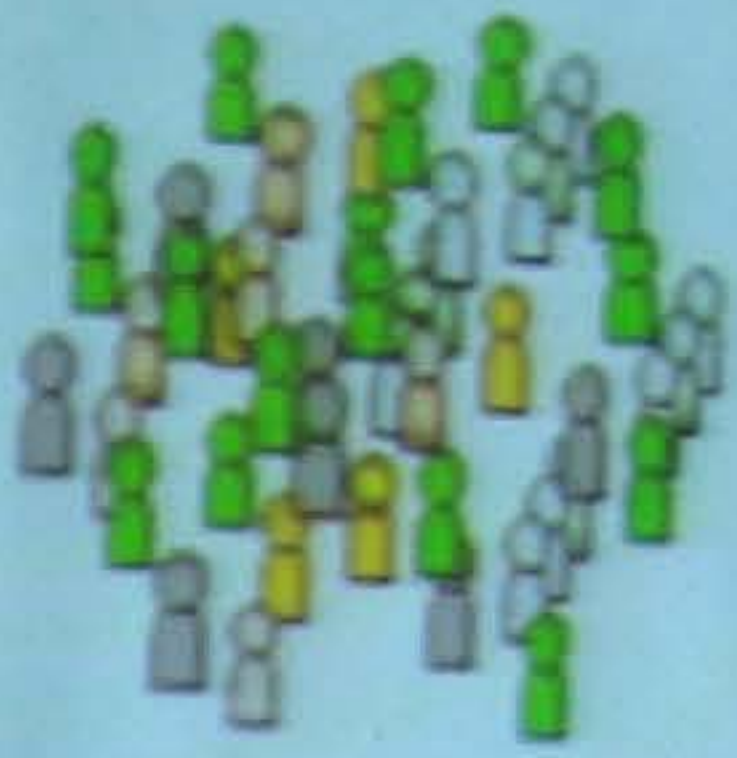




Kenya as case study: Barriers typical for mini-grid deployment

Barriers

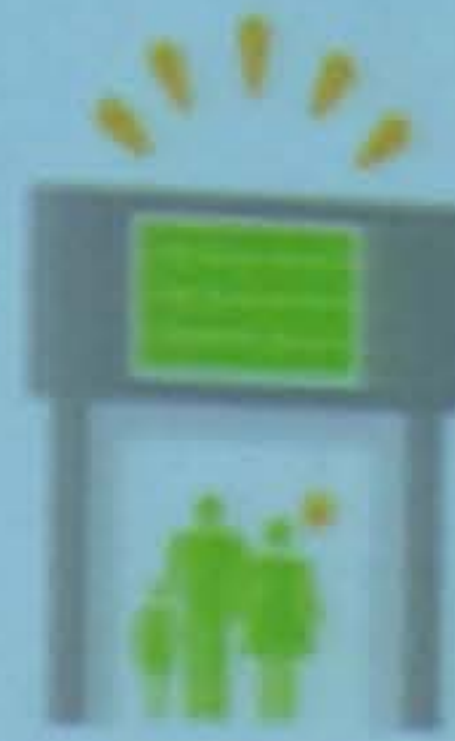
Load curves and customer demand that can often not be predicted



Regulatory framework that hinders free tariff setting



Uniform tariff and single utility model that discourage private sector



A banking sector that is not prepared for small-scale high-risk projects





SUMMARY

PS NJOROGE presented a commitment and the challenge:

How to attract private sector to mini-grid development and financing while meeting the government's goal of social equity with uniform tariff system in place for national grid



Facilitator/Expert: Richard Hosier
Topic: Concession

Solution
Concessions are necessary, but not sufficient, to mainstream mini grids as a viable solution for private rural electrification.
To be successful, the public sector needs to provide a clear policy environment, including price support, and to be willing to cost share investments with private sector partners who in turn need to focus on providing energy services, not just supplying electricity.





STEVEN HUNT
SVP, US

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SVP, US

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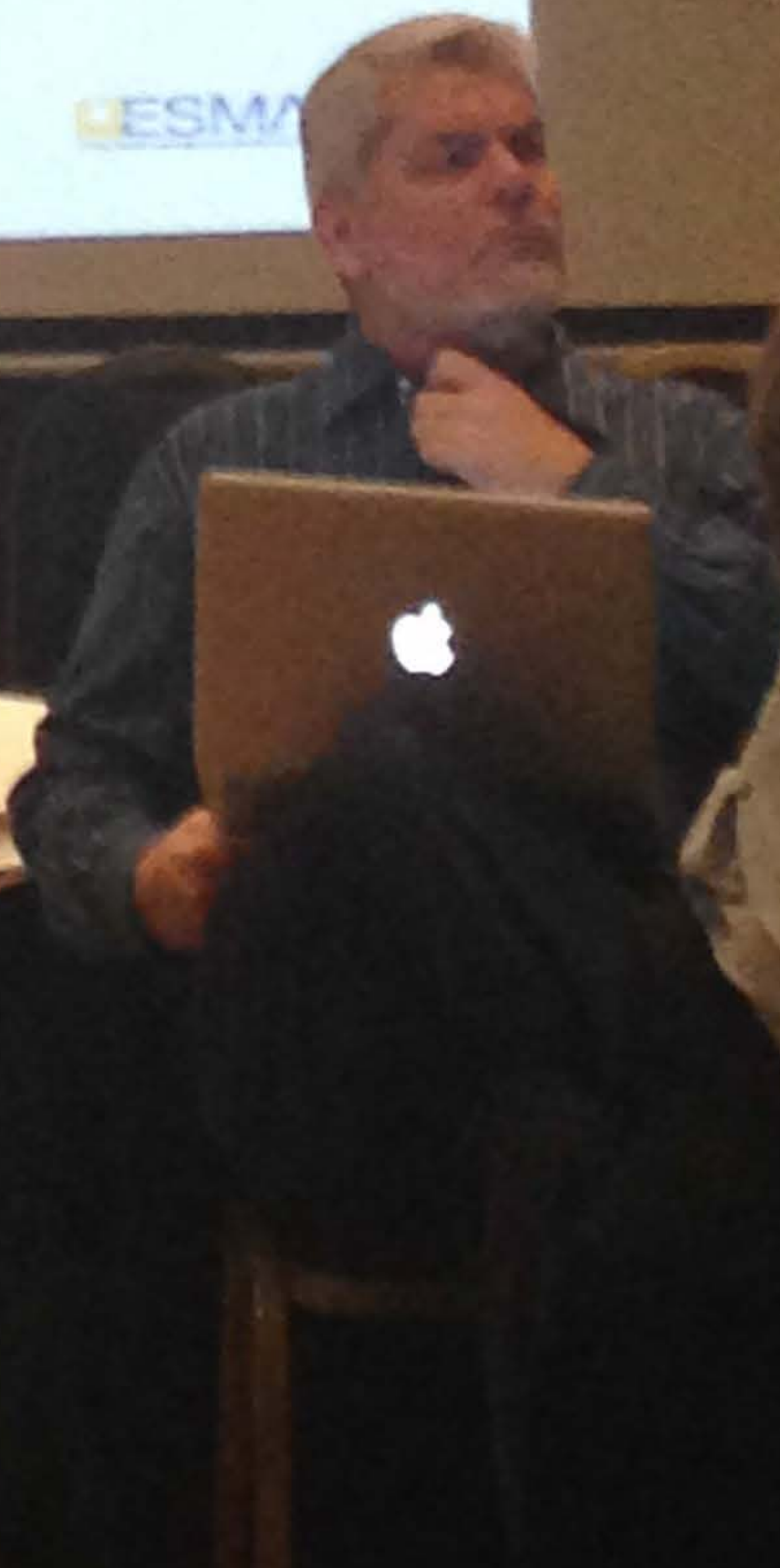
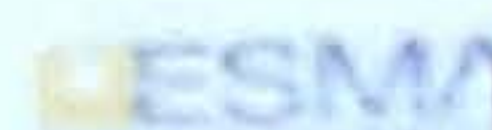
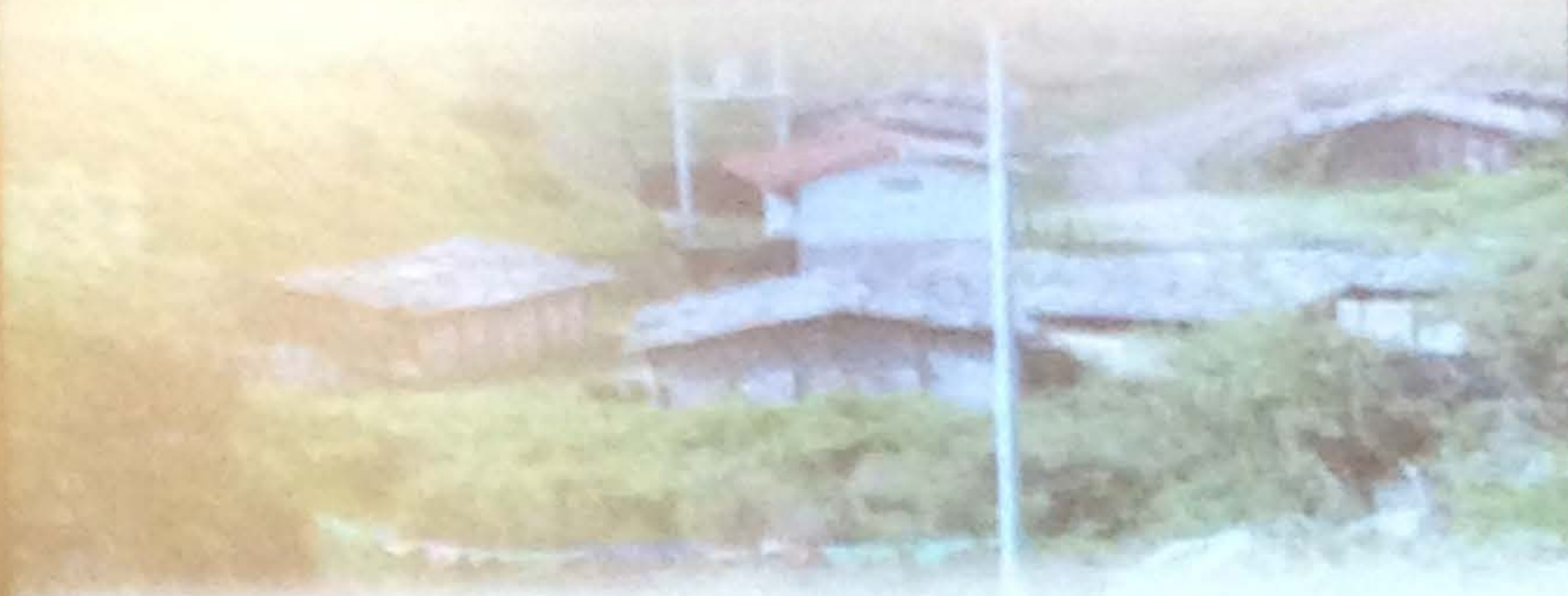


Action Learning Event
Four Round Tables, a Technical Conference and a Field Visit on

Upscaling Mini Grids for Least Cost and Timely Access to Electricity Services

"OPERATIONALIZATION"

PREPARE THE BUSINESS MODEL | MARCH 2015 | 10:00 AM - 12:00 PM





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