



---

The 2019 IERE - PLN Bali Workshop  
March 11-14, 2019

## **Management of REN on the Distribution Grid**

**Ross Smith**  
**SmartGrid Opportunity Leader EAJ., Schneider Electric**  
**UK**

**Keywords:** *Green House, MicroGRID, DERMS*

### **Abstract**

In order to reduce the greenhouse gas emissions all over the world, the investment on renewable energy infrastructure is increasing particularly in the distribution network. The penetration of generating sources in the distribution network changes the characteristics of distribution system and will have impact on various technical parameters. Distribution utilities will be the first to be impacted with those changes.

Different solutions have been or are being tested by distribution utilities worldwide, by the mean of existing technologies or pilot projects/solutions.

This presentation will deal with pilot projects executed around the world and some of the solutions deployed by electrical utilities to face this new challenge and make the grid greener, and more reliable:

DERMS, microgrids, demand response, detection of faults with distributed generation are some of the topics that will be presented.

Experience from different customers worldwide will be highlighted.