

RE TRENDS EAST AFRICA

Tracking regional renewable energy developments

Quarter 4, 2016



Opening Thoughts

Welcome to the year-end edition of the ASD newsletter.

In 2016, ASD continued to grow its regional portfolio, with work in Kenya, Somalia, Tanzania, Uganda, Rwanda and Ethiopia. In our busy year, ASD challenged its engineering and advisory teams with projects that are actively contributing to East Africa's renewable energy sector's growth. It is an exciting time for the solar energy!

With Ariya Capital, we spent much of the year collaborating with Kenyan flower farm clients to design embedded PV power systems. We look forward to the start of installations in early 2017.

We look forward to 2017, when we will be kick-starting a number of new initiatives, including the more collaboration with Ariya and launch of green energy access initiative with tourism communities.

In addition to our clients listed on the right, we thank Ubuntu, Winrock, Azuri, IRC, SOS Childrens Villages, Neseltec Rwanda and the other partners who have made our year such a success.

We wish you and your families the best for a safe holiday season and a green and prosperous New Year.

2016 Achievements

Major ASD achievements include:

- **303** health facility energy needs assessments and system designs for in Ghana, Tanzania, Uganda and Malawi for United Nations Foundation.
- **40** feasibility studies and **5 MW** of embedded PV designs for flower farms across Kenya with Ariya Capital for Powering Agriculture.
- **705** off-grid market assessment surveys conducted in Somalia/Somaliland for World Bank Lighting Africa.
- **3** Policy Compacts developed as part of DFID off-grid lighting support in Kenya, Ethiopia, Somalia.
- Contributions to **2 REN 21 reports** including the global and East African regional assessment.
- Prospectus for a **Solar PV Centre of Excellence** for Kenyatta University and UrbaSolar.
- Successful completion of PV courses with **Solar Energy International** for 7 ASD engineers
- **Mark Hankins** and **Caroline Makenzi** are newly qualified Certified Energy Managers!

Happy Holidays from all of us at ASD!





2017 ASD Resolutions

Even as political winds change, ASD is confident that renewables and green decentralized solutions for energy access will continue to prosper. They make too much sense. Some ASD 2017 resolutions:

- Installation of over 2MW embedded PV for clients with Ariya Leasing under the Powering Agriculture initiative (as well as other clients).
- Work with conservancies in East Africa to develop and install green energy access and tourism energy solutions.
- More productive advisory work with Kenya Association of Manufacturing, GIZ Kenya, Ministry of Water Irrigation and Energy Ethiopia, WWF Uganda, REN21, Winrock and others.
- Continued ASD company commitment and advocacy for a sustainable greener East Africa where there is 100% energy access.



About this newsletter

RE TRENDS EAST AFRICA is a quarterly newsletter produced by ASD in a deliberate move to share its knowledge and expertise of the East African region that spans over 25 years. We cover emerging innovations and technologies and showcase energy trends in the region to paint a picture of the sector and the direction it is taking. At ASD we provide a range of technical, consultancy and capacity building assistance in the renewable energy sector with a focus on commercial and rural energy solutions.

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