HOMER Energy Presents 2nd Microgrid Deployment Workshop in Barcelona

Event explores deployment strategies and case studies for microgrids in off-grid and grid-connected environments

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HOMER Energy, developer of the industry-leading HOMER software for modeling hybrid renewable energy systems, will be conducting the Microgrid Deployment Workshop – Fall 2014 on September 22-23 in Barcelona, Spain. The two-day program carefully examines the business models, optimal technology mix, and critical steps for successfully deploying microgrid systems in remote, island, and off-grid environments. A series of panel sessions and case studies over the two days will emphasize refining the business model as well as effectively planning, designing, and deploying microgrids.

Like the previous workshop conducted by HOMER Energy last November in Cancun, Mexico, the workshop in Barcelona will bring together project and technology developers, system owners and utilities, and other energy professionals from across the industry for in-depth information sharing and networking.

> “This is a great opportunity to meet practitioners on the cutting-edge of microgrid deployment.”

The workshop is co-organized by Trama TecnoAmbiental (http://www.tta.com.es) with the support of the IL3 Instituto de Formacion Continua at the Universitat de Barcelona. Gildemeister Energy Solutions (http://energy.gildemeister.com/blueprint/servlet/page/ges-en) is a Platinum Sponsor, and SMA Ibérica Tecnología Solar, S.L.U. and Northern Power Systems are Silver Sponsors. Bronze Sponsors are ABB, Schneider Electric, Trojan Battery, American Vanadium, Discover Energy, Leonics, Cadmus, and Studer. “This is a great opportunity to meet practitioners on the cutting-edge of microgrid deployment,” says HOMER Energy CEO Peter Lilienthal. “Mainland macro grids can learn a lot from island and off-grid systems, and in many ways it’s these kinds of projects that are leading the way toward the distributed energy ecosystem of tomorrow.”

Both days of the Workshop consist of panel sessions that systematically analyze the key steps and requirements for deploying hybrid energy microgrid systems. The afternoon of the second day consists of a hands-on training session focused on the use of HOMER Energy software for the design of such systems.

Topics to be covered in the Workshop include:

- Categories of microgrids and case studies
- Architectural choices and conceptual design
- Renewable penetration
- DC vs AC architectures
- Regulatory issues

- Business case analysis
- Controls and power engineering
- Storage and load management
- Community relations and cultural issues
- Cyber security considerations
- Financing and procurement issues
- Microgrid operations and business management

Presenting companies include: ABB, Arup, CIEMAT , CSEM UAE Innovation Center, Gildemeister Energy Solutions, HOMER Energy, IPERC, Lebanon Ministry of Energy, Leonics, Navigant Research, Schneider Electric, SMA Ibérica Tecnología Solar, Solar Consulting LLC, Strathmore Energy Research Center, Sustainable Power Systems, Trama TecnoAmbiental, Universidad Carlos III de Madrid, WATSAM Project, Westeva SAS, and Younicos AG.

For full information, visit http://www.microgridconference.com.

About HOMER Energy

HOMER Energy provides software and services for the design of microgrids and distributed energy resources. The HOMER Energy modeling software is a powerful tool for designing and analyzing hybrid power systems, which contain a mix of conventional generators, combined heat and power, wind turbines, solar photovoltaics, batteries, fuel cells, hydropower, biomass and other inputs. Developed at the National Renewable Energy Lab by our CEO, the HOMER software has been downloaded over 110,000 times by people in 193 countries. Visit http://www.homerenergy.com.

About Trama TecnoAmbiental (TTA)

TRAMA TECNOAMBIENTAL (TTA), with headquarters in Barcelona Spain, is an international consulting and engineering firm working since 1986 in the field of renewable energies. TTA is highly specialized in distributed generation through renewable energy sources, energy management and efficiency, rural electrification and self-generation through distributed micro-generation, integration of renewables in buildings and sustainable architecture, as well as, specialized training and education and technological development. Visit http://www.tta.com.es or contact TTA at info@tta.com.es.