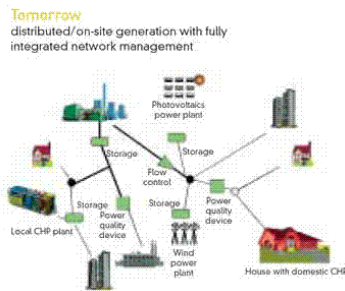




Energy-Redefined

Training in Energy and Carbon: Introduction to Distributed Generation



Course Outline

Distributed generation is an approach that employs small-scale technologies to produce electricity close to the end users of power. The technologies used often consist of modular (and sometimes renewable-energy) generators, and they offer a number of potential benefits. In many cases, distributed generators can provide lower-cost electricity and higher power reliability and security with fewer environmental consequences than can traditional power generators. They appear to be a good option for rural or currently off grid consumers.

Distributed Generation technologies yield power in capacities that range from a fraction of a kilowatt [kW] to about 100 megawatts [MW]. Utility-scale generation units generate power in capacities that often reach beyond 1,000 MW.

This is an “exploratory” course for those participants that want to understand what distributed generation means for their business.

Course Contents

- What is distributed generation
- What are specific Countries doing (India USA, UYK, China)
- Lessons learned

- What are the benefits?
- Storage and Load
- Connecting to the grid
- Micro grid Concepts for rural communities
- Technologies
- Challenges
- Efficiency and costs
- Smart grids – state of the art
- Environmental benefits
- Business models
- Outline Economics
- The future of distributed generation

If you would like further information please contact our training department at training@energy-redefined.com



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