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WINDPOWER STATION

Author / organisation	Afrigadget
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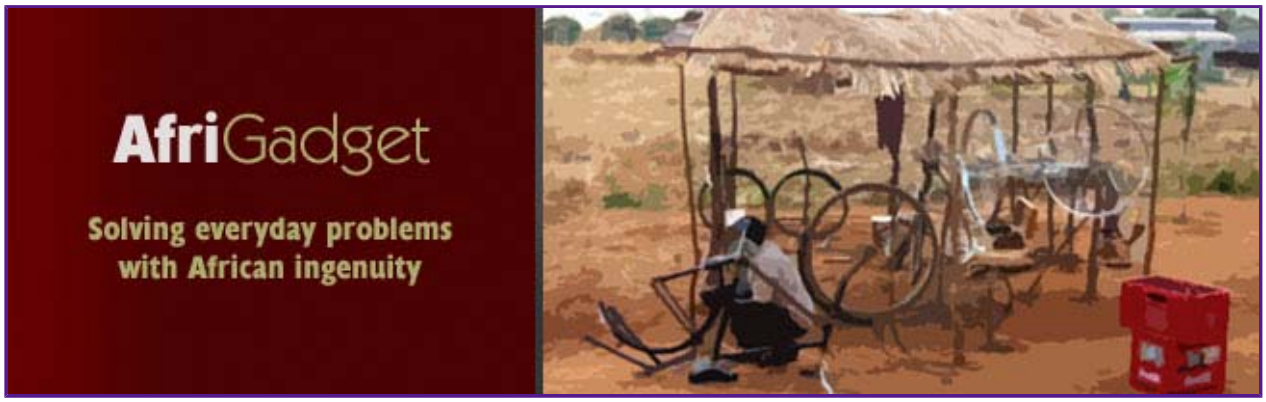

Wind Powered Cell Phone Base Stations

By Afromusing

Photo courtesy of Bergey. Oct 26 2006 Dedication of the cell phone base station site in Laisamis, Kenya Africa.

AfriGadget appears to be on a roll with wind power, so lets continue the wave shall we?

The company WinAfrique
designs and builds hybrid wind and diesel turbine systems for powering cell phone base stations. Kenya's biggest wireless companies Safaricom and Celtel have contracted with WinAfrique.

> …Safaricom contracted with Winafrique Technologies in Nairobi to design and supply pilot wind/diesel hybrid systems at three very remote base stations. The systems consisted of a Bergey 7.5 kW turbine on a 24 m (80 ft) SSV tower, sealed batteries, and an inverter. These sites were installed and monitored for one year. The results showed excellent reliability and diesel fuel savings of 70-95%. Based on these positive results, Safaricom has contracted for six more sites, and has many other wind/diesel sites in the planning stage.

Hybrid systems that utilize renewable energy such as wind and solar are making it possible to extend wireless service in remote areas that are not connected to grid power. You can read more about Safaricom's use of wind powered cell phone base stations, and more here about Celtel's.

This post has been filed under Energy, Communication on July 2nd / RSS

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13 Responses to this post

1. textually.org Said:
   December 31st, 1969 at 4:00 pm

   Afrigadget

2. Mobile & SMS News | DWG Mobile News Said:
   December 31st, 1969 at 4:00 pm

   Spotted on Afrigadget, winafrique's hybrid wind and diesel turbine systems for powering cell phone base stations.

3. Kipple Said:
   December 31st, 1969 at 4:00 pm

   Wind Powered Cell Phone Base Stations

4. muti Said:
   December 31st, 1969 at 4:00 pm

   Guess who owns facebook.co.za? Not Facebook. by eish 2 days ago. Votes: 13 Score: 735 (www.matthewbuckland.com) facebook new window 1 comment 6. [IMG like] [IMG dislike] Wind Powered Cell Phone Base Stations to be used in Kenya — AfriGadget Archive by thakadu 15 hours ago. Votes: 4 Score: 96 (www.afrigadget.com) energy kenya windpower new window 0 comments 7. [IMG like] [IMG dislike] Genius Marketing - 8 simple "I should have thought of that" ideas.

5. TerraBlog from TerraPass | TerraPass: Fight global warming, promote alternative energy Said:
   December 31st, 1969 at 4:00 pm

   Wind Powered Cell Phone Base Stations â AfriGadget Archive

6. …My heart's in Accra » Incremental infrastructure, or how mobile phones might wire Africa Said:
   July 2nd, 2007 at 3:48 pm

   […] turning to other creative solutions to power their towers in the absence of reliable grid power. Afrigadget reports that Winafrique Technologies in Nairobi is designing windmills that power remote mobile towers as a complement to diesel power, […]

7. Afromusing » Cellphone Base stations powered by wind and solar Said:
   July 3rd, 2007 at 3:18 pm

   […] by Wind Powered Cell Phone Base Stations — AfriGadget Archive — July 2, 2007 @ 11:06 […]

8. Lars Meyer Said:
   July 3rd, 2007 at 4:26 pm

   Hi again;

   AfriGadget can now be accessed on mobile phones by entering the address 'clfy.net/afri' in the phone's webrowser.

   Please check it out.

   Best regards,
   Lars Meyer
   Creator of CELLIFY

9. Lessons Learned from Martin Fisher at KickStart « WindLift Power Said:
   July 4th, 2007 at 11:35 pm

   […] turning to other creative solutions to power their towers in the absence of reliable grid power. Afrigadget reports that Winafrique Technologies in Nairobi is designing windmills that power remote mobile towers as a complement to diesel power, cutting fuel costs by 70-95% a […]

10. muti Said:
    July 7th, 2007 at 3:02 am

    […] Wind Powered Cell Phone Base Stations to be used in Kenya — AfriGadget Archive by thakadu 1 day ago. Votes: 4 Score: 105 (www.afrigadget.com) energy kenya windpower new window 0 comments […]

11. TeleCom Update | Mobiel bellen in Afrika dankzij windenergie Said:
    July 10th, 2007 at 5:19 am

    […] overal op het Afrikaanse continent in te zetten.Geplaatst op: dinsdag 10 juli 2007 om 05:05Bron: AfriGadgetReacties Er zijn nog geen reacties geplaatst. Reageer als eerste op dit bericht door onderstaand […]

12. Global Voices Online » Kenya: wind powered cell phone base stations Said:
    July 10th, 2007 at 10:46 am

    […] has a photo with a post about wind powered cell phone base stations: "The company WinAfrique designs and builds hybrid wind and diesel turbine systems for […]

13. State of Telecom Industry in Pakistan » Picture of the Month: Wind Powered Cell Phone Base Stations Said:
    July 15th, 2007 at 3:05 pm

    […] Hybrid systems that utilize renewable energy such as wind and solar are making it possible to extend wireless service in remote areas that are not connected to grid power. Below is one example from Africa. Picture Source. […]

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