



# Empowering change!

In August 2013, Princeton University students installed a 2 kW wind turbine at PAGA in Oshiyie Ghana, inspired by the Power-in-a-Box™ design.



Prof. Rouse and David Newill-Smith '14 await the setting concrete before laying electrical conduit to the school where the charge controller, battery bank and inverter are located.



Raising the turbine mast and securing the three-point cable guy wire system.



Lightbulb powered by the school's new wind turbine.

John Davis '14 and David Miller '14

The turbine now provides light and electrical power for the school and serves as a key instructional element. The staff have started a canteen with a refrigerator to sell goods and provide income for the school.

Pan African Global Academy (PAGA) is a high school founded by Princeton Professor Carolyn Rouse. The mission is to educate the next generation of Ghanaian leaders in sustainable technologies.



*"The canteen is doing very well. The freezer has been quite useful. We have sold thrice the bags of water we sold last term apart from preserving food items we bought in bulk. ... With the wind turbine attaining the 100% charge status, we have began using the turbine at night for the lights alone and the ECG at day when the freezer will be used. I think this we will save a lot of money."*

-- PAGA headmaster David Lamptey



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