TEAM 2

Solar-Powered Multi-Seat Computer Kiosk for Tanzanian Classrooms

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Executive Summary

With the increasing proliferation of affordable, reliable personal computers into the marketplace, there is a great demand to develop affordable personal computers for remote and undeveloped areas. One such potential region is rural East Africa, specifically Tanzania. Before deploying a computer system into such harsh conditions, several obstacles must be overcome, including source of electricity, telecommunications, and the savannah climate. The Lenovo Corporation has tasked this team to develop a solar-powered computer workstation that can accommodate up to eight users. The solution must be robust enough to withstand the harsh environment with as little technical maintenance as possible, yet still be affordable for rural schools.

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