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Implementation of Nanosensor Wireless Mesh Network

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Wireless mesh networking, being a technology for building an infrastructureles networks, became very suitable in situations then it is necessary to cover with a monitoring sensor nodes a wide area without any additional preparations. In this paper, we described the implementation of a sensor nodes that can be connected into a wireless broadcast mesh network and send data to the data storage. Beside this, we have described a solar element based powering system for nodes, with a charge discharge cycle control and charge level-based routing. This type of powering is essential in order to have energy and infrastructure autonomy in wireless mesh networks.