

Nuvolt Corporation

SocketModem Enables Remote Diagnostics and Maintenance

Over the years, Nuvolt Corporation Inc. has developed expertise in sinewave analysis and the development of devices that help detect and correct ground faults, which may be present in animal environments on livestock farms. The highly technical products, however, required a means for Nuvolt to provide their customers with remote diagnostics and maintenance. Nuvolt found their answer with the Multi-Tech SocketModem® embedded module.

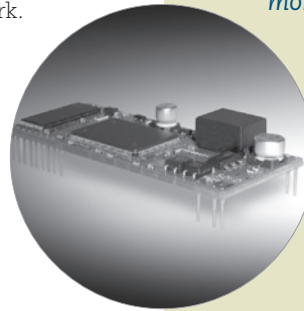
Nuvolt products are used on dairy, pig and poultry farms. The "Relax" surveillance system alerts the user to anomalies that may show up in the electrical network. This equipment is connected via the embedded SocketModem module and a standard telephone line to Nuvolt's head office where the reports are downloaded. Nuvolt's support staff analyzes the reports and suggests corrective measures to the customer.

The Potential Equalizer is a product designed to detect leakage and return current and neutralize them. Its job is to prevent leakage current from entering animal environments. It has been scientifically demonstrated that cows and pigs are more sensitive to leakage current than humans and that they can be a source of stress that causes diseases, a drop in production or an increase in operation cost. Again, the SocketModem module delivers the information back to Nuvolt for analysis.

"Our products were getting harder to understand by our customer," explains Stephane Fournier, Production Plant Manager at Nuvolt. "There was a need for distant diagnostics and maintenance. But, with our small development team no one had experience with modem communication. So, we decided we needed an easy to use embedded solution."

They found their answer with the Multi-Tech SocketModem. The Multi-Tech SocketModem embedded modem creates communication-ready devices by integrating data/fax modem functionality into a single, universal socket design. The SocketModem module integrates the controller, data pump and data access arrangement (DAA) into a space-efficient design. The complete, ready-to-integrate modem dramatically reduces development time and costs for system designers and complies with telecom requirements globally for shipment worldwide.

"Now, with the implementation of the Multi-Tech modem, we can receive an alarm report when a fault occurs, access our customer's system to find out the source of the alarm and assist them to find and repair the cause of the alarm," explains Fournier. "Multi-Tech offers a ready to implement solution at a reasonable price."



SocketModem

- Complete modem solution including the controller, data pump, and DAA
- Global compliance
- Universal socket connectivity
- Quick-to-market solution
- Serial or Parallel interface

Nuvolt Corporation Inc.

(Agrivolt Canada inc.) is specialized in monitoring electrical networks

in livestock farm facilities.

Its products are used to detect, analyze and neutralize leakage current present in the animal's environment so detrimental

to the herd performance. Its

main products are the "Potential Equalizer", the "RELAX" ground fault detector and SVF-VSD filters to eliminate harmonics.

They are presently in use on dairy and pig farms.



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