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The Synapse wireless data system provides secure, continuous environmental monitoring. Synapse is scalable and can be integrated into any existing infrastructure. Distributed Transceiver units monitor environmental conditions and wirelessly transmit the data to a central Receiver.

Plug and Play features allow for Transceivers to search and select appropriate gateway for ease of implementation.

Benefits

- Ensure compliance to regulatory agencies requirements for temperature monitoring
- Receive alerts and alarms remotely based on user defined criteria
- Reduces cost & effort of monitoring once implemented
- Synapse is scalable as it can grow as your facility or requirement for control and monitoring grows
- Option for Networked, controls of multiple locations from one Head offices with decentralises alerts.

Data available for **inspection and analysis**, the Synapse Software can generate these reports:

- Sample Graphical report
- Detailed Graphical report
- Simple Tabular report
- Detailed Tabular report (includes MKT)
- Alarm Report
- Audit Log Report



An ideal system would constantly measure the required parameters and be capable of logging all the data collected and also be able to generate alerts and alarms to warn staff of an impending problem.

The Synapse system offers all of these features and being wireless can be easily implemented and installed. It is capable of monitoring any environmental parameter from temperature to soil solar flux.

In addition it can be used to control things such as fans, Shutters, blinds, boilers, air conditioners etc.

The Synapse system is fully CFR 21 Part 11 compatible allowing implementation of GMP and GLP solutions



Food Productions GAMP compliance

The overall quality of food items, from food productions like sea food and agricultural production are in many ways determent on the quality of controlling the productions and storage environment



The Synapse wireless data capture system is designed for flexibility, reliability and ease of use

Whatever your business you will probably have a need to provide some sort of monitoring of either stored product or manufacturing processes.

Your needs may require a simple data capture / alarm system or a fully validated auditable solution. Whatever your needs the Synapse system can be configured and installed to meet your requirements.

The staff would be unaware of the problem but the consumer would then be at considerable risk. Any probability can be minimised by employing a suitable monitoring solution which can not only provide an alert to the staff of any impending problem or failure but can also provide continuous data logging.

This type of system can provide not only the means to prevent product loss due to 'spoiling' but can also be used to produce documentary evidence to meet the requirements HACCP Compliance or certification from Marine stewardship council <http://www.msc.org/> or Aquaculture certification council <http://www.aquaculturecertification.org/>



New and interesting exports markets for local agricultural products need international standards monitoring to meet the strict rule for across Borders

Sanitary and Phytosanitary (SPS) Measures. SPS measures can pose enormous barriers to agribusiness and agricultural trade. They are established to reduce significant risks to both humans and the environment.

The country's low standards of food production hurt not only public health, but are seen as holding back a crucial export sector. In little over a decade, the process of doi moi (economic opening) has seen Vietnam go from an impoverished importer of food to a major exporter. The export value of seafood - now Vietnam's fifth largest hard-currency earner - has shot up from \$11 million in 1980 to last year's \$858 million.

According to the Ministry of Fisheries, two-thirds of its fishery production processing plants still fail to meet international food safety requirements, limiting the amount of produce going to foreign markets, particularly the United States and European Union.

Other processed-food manufacturers see meeting International Standard Organization criteria as the key to success.

