

Remote Farm Monitoring

Connect anywhere!

Powered by MultiTech

Customer's Situation

Are you a farmer with a medium or large sized land area in a location of little or no cellular data coverage and electrical power? Would you like to have easy access to parameters such as air temperature, precipitation, soil moisture levels, wind speed and many more, on an easy to use interface on your mobile phone or laptop? Remote monitoring of your farm and land 24 hours, from anywhere.

The Solution

LoRaWAN® sensors over the Inmarsat IsatData Pro satellite network with the MinFarm MF-400 IoT Satellite Bridge solution utilizing the MultiTech Conduit® gateway and MinFarm IoT-over-Satellite management software.

Key Benefits

- Can be deployed to anywhere in the world
- Works entirely off-grid from a single 80W solar panel
- Utilizes less than 20 KB per sensor per month for extremely low operating costs



MultiTech Conduit®

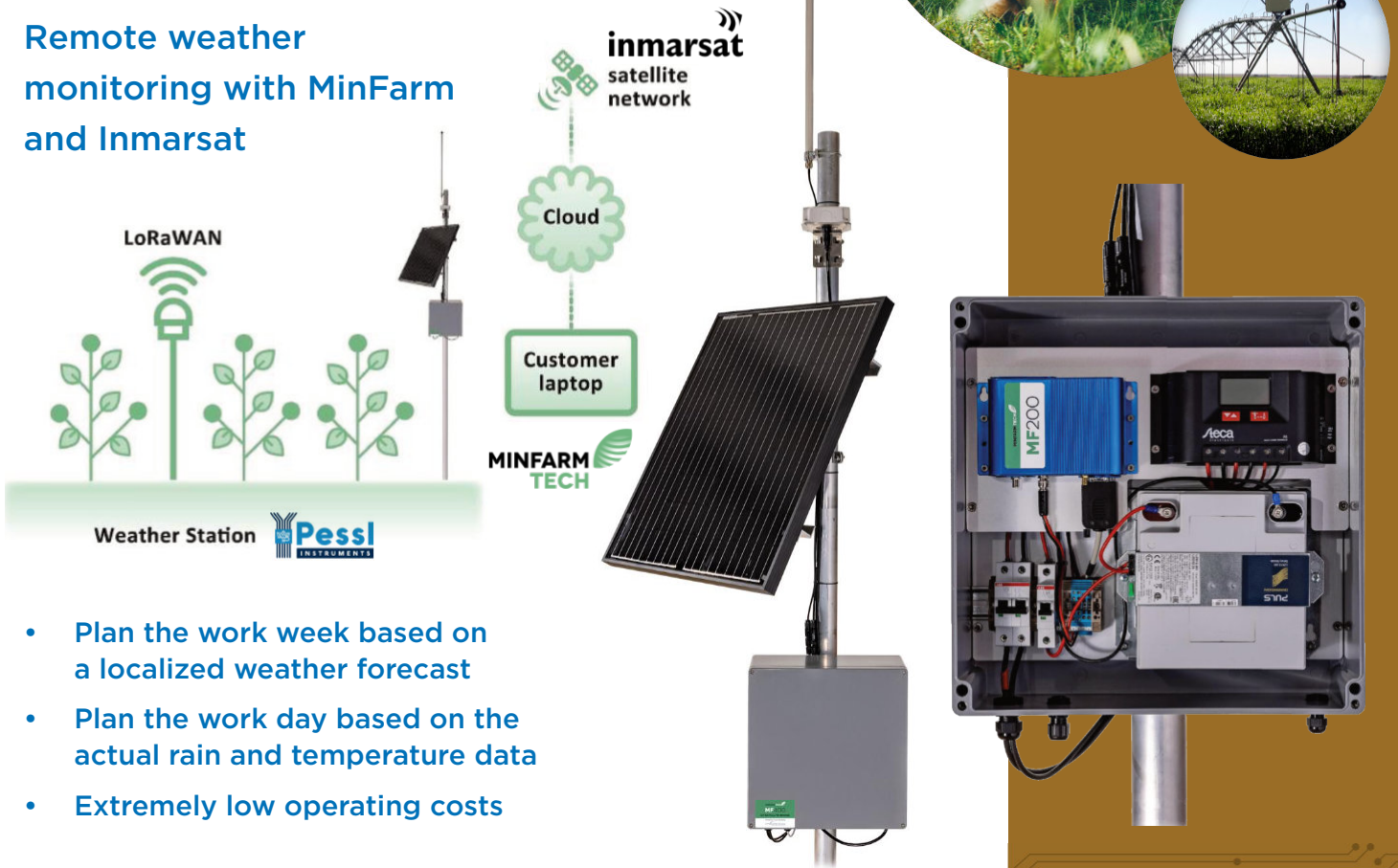
The Conduit® (MTCDT Series) is a quick-to-deploy and simple-to-scale, programmable IoT gateway designed for versatility.

- Two accessory card slots for a variety of wired or wireless interfaces
- Incredible asset management range - up to 10 miles line of sight, 1 to 3 miles into buildings
- Integration support with a variety of partner and private Cloud Platforms
- 2-way communication over any certified cellular network for cost effective global deployments

How it works

The PESSL LoRAIN Weather Station – or any LoRaWAN sensor – which has sensors attached (one or many) sits out in a remote area of your land. Every hour (or every 15 minutes) the device sends information to the MF-400 IoT Satellite Bridge housing including a MultiTech Conduit running MinFarm Client Software. This is sent over the LoRaWAN network. It passes the information to the Inmarsat IsatData Pro satellite terminal housed in the MF-400, up to the satellite in the sky, back down to a satellite receiving station, called the IDP gateway, which then passes it on to the MinFarm IoT-over-Satellite Platform, and then on to a mobile phone where users can view it using the FieldClimate application software.

Remote weather monitoring with MinFarm and Inmarsat



- Plan the work week based on a localized weather forecast
- Plan the work day based on the actual rain and temperature data
- Extremely low operating costs

Ready to learn more about how MultiTech products can take your business to the next level? Contact our team of experts online at MultiTech.com today!

For additional information, contact: sales@multitech.com



www.multitech.com

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