

CASE STUDY

CONNECTED CENTRE

PIVOT MONITORING FOR

BETTER IRRIGATION

FieldWise LLC



ABOUT FIELDWISE

FieldWise is a Nebraska, US-based world leader in supplying technology products and services to the agriculture market with a mission to keep its solutions environmentally friendly, affordable and straightforward.

One of their core products is pivot monitor and controller, which enables users to remotely view and monitor their centre pivots, moisture probe readers and other sensors used in farming operations. Through remote monitoring, FieldWise helps growers to maintain an efficient irrigation system with reduced water resources and workforce, which in return saves operation costs and increases field productivity.

The reliability of FieldWise monitor and controller is centred on being able to provide consistent and robust connectivity. So, for FieldWise to continuously being successful, finding a service provider who could fully understand FieldWise's business interests and who could offer a reliable and straightforward managed connectivity solution is of vital importance.

THE CHALLENGE

FieldWise has partnerships with carriers that offer services domestically; however, following the growth of the market, there have been constant requests for FieldWise to deploy their solutions internationally.

It requires FieldWise to find partners in every country that they are planning to operate. With multiple plans and offerings from many different providers and networks, it won't be effortless for FieldWise to manage their SIM costs with different products while on different contract terms.

Moreover, it will be challenging and complicated to manage SIM estate using multiple providers and hard to ensure consistent connectivity across continents and primarily when centre pivots are located in rural areas. FieldWise needs a solution that they could deploy worldwide on virtually every network operator.

THE SOLUTION

As a single service provider, Velos IoT offered a one-stop data connectivity solution that provides both regional and global network coverage for FieldWise. With 600+ roaming agreements operating globally, Velos IoT enabled FieldWise to economically deploy to international markets where FieldWises' equipment can stay connected.

Velos IoT's unique Nomad IoT platform enabled FieldWise to manage their entire SIM estate within one single platform. If one machine encountered connectivity failure, the system can take that network out of coverage, and instantly jump on to the strongest signal network in the area.



RESULTS

With Velos IoT's global one-stop connectivity solution, FieldWise can quickly deploy units throughout the world and stay focused on their core business without interruption.

During hot growing seasons, the pivot monitor and controller with reliable connectivity shortens the response time on device breakdown notification and allow the system to be put back into service faster without losing crop yields. During rain events, the equipment can be effectively shut down on time to save water resources. It also saves extra workforce and time used to travel to the fields, sometimes far spread out and inaccessible due to field conditions.

The centre pivot systems that use FieldWise's equipment pump from 800 to 1200 gallons per minute. In this time-sensitive business, where an extra 24 hours run of a system can waste nearly 1 to 2 million gallons of water, reliable connectivity that is scalable internationally contributes significantly to the preservation of the natural resources.

"Velos IoT provides us with a single vendor that allows global connectivity so that we can focus our resources on our core products and services. At a glance, we can use the Velos IoT portal to see how our devices are working through the world and identify problematic devices. Best of all, the staff at Velos IoT are knowledgeable and responsive when we have questions."

Brian Klawinski
Managing Director

IOT FOR A SUSTAINABLE IRRIGATION

Harness the power of connectivity with Velos IoT. We are a global integrated connectivity provider with extensive experience in delivering IoT services via proprietary core and roaming agreements. Supported by team of 120+ experts and with over 600 global networks, Velos IoT provides customers with sustainable, scalable, compliant, and secure access to connectivity.

At Velos IoT we value the agility and resilience IoT customers require. We have shipped over 17M SIMs worldwide and offer solutions to businesses of all sizes – from small specialist players to huge manufacturers. Our portfolio includes flexibility in integration options covering features around security and resilience.

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Velos IoT



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