



Solution Overview

AgWeather Net AgAlertZ

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During 2008 and 2009 4QTRS developed a new weather alerting system using “push technology” for alerting farmers and growers in near real-time.

Solution

Developed in conjunction with Washington State University's AgWeatherNet, AgAlertZ, provides a client-defined library of weather-related “push” delivery products driven by weather data collected by WSU's AgWeatherNet (AWN). Clients can configure location-specific alerts related to weather parameters (e.g. temperature, wind speed, wind direction) and disease models for reception via automatic email, SMS text messaging, or synthesized voice calls delivered “live” to your cell phone left as a message in a voice mailbox. User preferences are managed by the client on the AgAlertZ web site and deliveries configured for one or more AWN monitoring locations at time intervals determined by the client. In other words, once you've configured your outputs on the AgAlertZ web site, your information will be delivered to your email box, PDA, or cellular phone, automatically. Our intent for utilizing push technologies is to deliver AWN and related value-added weather products directly to you wherever you are and when you most need the information.

AgAlertZ provides near real-time alerting of current weather data (e.g. temperature, wind, soil temperature, soil moisture) and disease models for Grape Powdery Mildew, Cherry Powdery Mildew, and Hops Powdery Mildew. Future development will extend current weather data to private weather stations and additional disease models

Benefits

- ◆ **Technical experience and expertise**
4QTRS provided very experienced subject matter experts as they related to Microsoft's Windows SharePoint Solutions development. Using these experts 4QTRS was able to shorten the development curve and deliver within the timeframe requirements.
- ◆ **Project Management**
4QTRS provided a project plan and was able to follow this plan and complete the key deliverables of the project on-time.

Customer Profile

AgWeatherNet (AWN) provides access to raw weather data from the Washington State University weather network, along with decision aids. AWN includes 132 weather stations located mostly in the irrigated regions of eastern Washington State but the network has undergone significant expansion in Western Washington and in dry land regions of the state. The AWN network is administered and managed by the AgWeatherNet team located at the WSU Irrigated Agriculture Research and Extension Center in Prosser, WA but is programmatically linked to efforts at other WSU research and extension centers.

Business Situation

Of primary interest to agriculture stakeholders is raw weather data (e.g. low temperature, wind speed, wind direction, etc.) in near real-time; used for decision making related to frost protection, pesticide applications, and irrigation. Utilization of push technologies should preclude the need to “surf” the web daily in order to gather and respond to this time-sensitive weather information.

Services

- Concept Definition
- Design
- Build
- Deploy
- Project Management
- Custom Programming
- ASP.Net Web Application and Hosting

Technologies

- ASP.Net
- C#
- SQL Server 2008
- Hosting
- www.agalertz.net

For more information about 4QTRS solutions – <http://www.4qtrs.net> – Telephone – 509-469-0409 – Email – info@4qtrs.net

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