



Natural Resources Wales

Flood Forecast Web Service





Challenges

- Highly critical system, requiring constant availability
- Large volumes of data requiring immediate processing
- Requirement to present a wide range of data using the most accessible methods available

Solution

- Powered by the world's first cloud-hosted Deltares Delft-FEWS platform, trusted by leading agencies worldwide
- Hosted within a resilient cloud-based, Microsoft Azure environment
- Fully integrated with the ArcGIS mapping platform
- Combining server-side processing and complex modular Javascript

About the Customer

Natural Resources Wales (NRW) asked Method4 to develop a bespoke replacement to a static and aging online weather forecast service, which is used round the clock by NRW's duty officers.

We employed .NET technology to create a system that receives and collates large amounts of raw data from over 200 locations in Wales. This is collected, checked for accuracy and analysed through the world's first cloud-hosted Deltares Delft-FEWS platform. It is then imported into the Forecast Web Service, giving duty officers a complete overview of the forecast, highlighting potential weather issues, and helping them to focus on any necessary decisions. Combined with a regular import of documents from third party agencies including the Met Office, the system is able to provide a complete picture of the flood risk across Wales through a single interface.

This project was a finalist in the Wales Technology Awards 2017 in the Best Tech Adopter category.

THE SERVICES WE PROVIDED

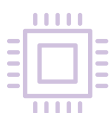
- Application Development
- Digital Transformation
- Digital Strategy

OUTCOMES AND BENEFITS

1. Flexible layout engine, accommodating a vast array of data types
2. Rolling archive of each and every forecast, allowing search and analysis of historical data patterns



Technology Snapshot



» .NET

» Azure



Aspire Systems is a global technology services firm serving as a trusted technology partner for our customers. We work with some of the world's most innovative enterprises and independent software vendors, helping them leverage technology and outsourcing in our specific areas of expertise. Our core philosophy of "Attention. Always." communicates our belief in lavishing care and attention on our customer and employees.

For more info contact: info@aspresys.com or visit www.aspiresys.com

CARDIFF

+44 29 2066 5947

USA

+ 1 630 368 0970

SINGAPORE

+65 3163 3050

INDIA

+91 44 6740 4000

UK

+44 203 170 6115

NETHERLANDS

+ 31 (0)30 800 92 16

POLAND

+48 58 732 77 71

MEXICO

+52 222 980 0115

BELGIUM

+ 32 3 204 1942