Case Study

Highly-Customised Web Mapping Application

The Australasian College for Emergency Medicine (ACEM) is a not-for-profit organisation responsible for training emergency physicians, and advancing professional standards in emergency medicine, in Australia and New Zealand.

One of ACEM's initiatives is the Emergency Medicine and Training Program (EMET), which improves care for patients requiring urgent and much needed emergency medicine services by providing education, training and supervision to the large number of doctors working in hospitals and emergency care services — particularly those in rural and regional Australia, who are not specifically trained in emergency medicine care.

ACEM came to us because they wanted to let users explore the breadth and connectivity of the Emergency Medicine Education and Training (EMET) program hospital network around Australia with ease and flexibility. To do this we created an online map.

> "The Emergency Medicine Education and Training (EMET) data map is a vital tool to show the link between the EMET hubs and their training sites, and to highlight the growing reach that the EMET program has across Australia."

Vase Jovanoska
Executive Director of Operations, the
Australasian College for Emergency Medicine

Customer Profile
Responsible for training emergency physicians and advancing professional standards in emergency medicine in Australia and New Zealand.

Company
Australasian College for Emergency Medicine

Location
West Melbourne, Victoria

Industry
Not-For-Profit

Products
Emergency Medicine Education & Training (EMET) Web Map

Benefits
- Provides a cost effective, customisable geographic visualisation of hospitals involved in the EMET program across Australia

The Solution

We proposed a highly-customised web mapping application, built with the extendable open source web mapping technologies of Carto and Leaflet.

This would allow us to create custom tools that would improve user experience by using state-by-state toggling, image display, and labelling, all on top of live spatial data generation.

Using these free and open source technologies would also reduce the cost of the project, and allow for continued use without the need for expensive support contracts.

Other important features built into the map system included:

Quick and simple UX, compatible across devices with standard browsers

Zero ongoing data hosting costs

Tiny hosting footprint on their existing server

Live update of data on the Carto platform

Live, up-to-date generation of hospital connections, using the Carto querying architecture

The Benefits

Since implementing our web mapping solution, ACEM now has:

✅ A quick and easy way to display the EMET program breadth to various internal and external stakeholders

✅ A point of engagement for the program, making it easier for users to understand its scope and reach

✅ A geographical visualisation tool to assist in identifying patterns and trends relating to the hospitals around Australia involved in the Program

According to Vase Jovanoska, Executive Director of Operations at ACEM, the mapping solution created by Spatial Vision is "a valuable tool to further promote EMET, and most importantly, enhance the sustainability of the emergency medicine workforce, across a broad range of emergency department and urgent care settings."

Maps could change the way you work, connect you with your customers and give you the information you need to make big decisions.

Get in touch to find out more.