

MiraMar



automated tsunami detection

Real-time tsunami detection

Miramar is more than tsunami detection- It is EVERYTHING.

OSOP combines tide gauges, seismic sensors, sirens, SeisComP & TOAST tsunami modelling software to bring you a fully automated civil defense system.

How it works

OSOP's seismic sensors feed continuous waveform data into SeisComP. When a seismic event strikes the coastline, TOAST immediately receives SeisComP event parameters and determines if the event is tsunami-genic. A super computer is then thrown into action as TOAST runs on-the-fly modeling to determine wave heights and arrival times. If a tsunami is imminent, alerts are sent out to the community via Facebook, Twitter, Email, SMS, WhatsApp and coastal sirens are triggered, prompting evacuations.

And it is ALL automated.

For more information visit:

<http://www.osop.com.pa/miramar>

This product uses software developed by Helmholtz-Centre Postdam GFZ German Research Centre for Geosciences. For more information see <http://www.gfz-potsdam.de>.

