

# Australia Modernises GNSS Infrastructure Networks

Trimble has been selected by three Australian state government organisations to modernise their respective Global Navigation Satellite System (GNSS) infrastructure networks for high accuracy positioning: the Department of Sustainability and Environment (DSE) in Victoria, the Land and Property Management Authority (LPMA) in New South Wales, and the Department of Environment and Resource Management (DERM) in Queensland. A private network in Perth, RTKnetwest, also chose Trimble hardware and software to modernise and expand its network.

For the DSE in Victoria, Trimble will provide 57 GNSS Continuously Operating Reference Station (CORS) receivers and Trimble VRS3Net software for the Positioning Regional Victoria project which is expanding the Vicmap Position - GPSnet CORS network. The availability of consistent, high accuracy, Real Time Kinematic (RTK) corrections across the state of Victoria will provide an infrastructure that can enable private industry, government, academia, agriculture and other industries to achieve cost savings and improved efficiencies using positioning technology.

Trimble will provide its VRS3Net software for the LPMA's CORSnet-NSW network. CORSnet-NSW currently consists of 35 stations with a planned rollout of 70 stations to service the state of New South Wales by 2013. CORSnet-NSW provides fundamental positioning infrastructure for the state to support a variety of applications such as surveying, precision agriculture, mining, construction, mapping and asset management, utilities, aerial photography and LiDAR, marine hydrography and navigation, ports and aviation.

The DERM in Queensland purchased Trimble VRS3Net software to manage its 20-station network along with three additional reference receivers for network expansion. This network is part of the national AuScope project as well as the SunPOZ service in southeast Queensland. The information provided from the network is used for both real-time and post-processed positioning services by a variety of private and government users, including other network operators and research institutions.

RTKnetwest, formerly GPS Network Perth, a privately owned and operated GNSS network covering a large portion of Western Australia, recently purchased Trimble VRS3Net software along with six reference receivers, enabling them to modernize and expand to a 19-station network. RTKnetwest provides cost-efficient solutions for its surveying, civil construction, engineering, service location, asset management and other clients that require high-accuracy positioning data.