

REGIONAL WINNER

Spatial Services SME Project

What was the problem?

The recent experiences and subsequent cost of flooding in Australia has emphasized the need for improved planning and mitigation by NSW government, pinpointing the need to develop a high resolution digital surface model (DSM) which supports hydraulic modelling and other critical functions and improve governments' capacity to effectively plan, respond to and mitigate against the risks and impacts of natural disasters.

How did you address it?

The project integrated LiDAR and Airborne Digital Sensor technologies to establish a higher resolution state wide model of digital surface and elevation, alongside incorporating and updating provided data from contours derived from photogrammetric generated topographic maps, much of which was incredibly outdated.

What were the key outcomes?

The SME project has directly assisted government strategies and legislation regarding the impact of climate change, flood and fire mitigation, water security and environmental management. State citizens have benefited directly from the project through a higher quality of privately produced products and through governments ability to make better decisions. Available to anyone who wishes to access the data, it has supported climate change and environmental analysis and decision making, helping to protect the natural environment and been used for planning across the state of NSW.

For more information about this project or to contact Spatial Services please visit their website:
<http://spatialservices.finance.nsw.gov.au/>

