



Niamh Reddan  
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Business Development & Delivery  
Level 3 East, 1 Prince Albert Road  
Queens Square NSW 2000  
(by email submission to [Niamh.Reddan@lpi.nsw.gov.au](mailto:Niamh.Reddan@lpi.nsw.gov.au))

Dear Ms Reddan,

The Warren Centre welcomes the NSW Government Location Intelligence Strategy, Location+ 2016-2017.

With projected population growth of many millions in the city of Sydney over the next decade, developing location intelligence around schools, hospitals, transport and other infrastructure is a vital opportunity. We agree that digital infrastructure will support the development of smart cities tools and data for the 21<sup>st</sup> century and that ensuring the availability of location intelligence is a critical enabling step towards building data and knowledge that supports the knowledge economy.

By leveraging 3D mapping and modelling data, accessing public transport information, people movement and understanding the wider city ecosystem, there are further benefits that can be attained. Public transport grids can be made more efficient, traffic can be modelled over the entire city and used for road planning, water/storm management, emergency planning and urban resilience.

In developing spatial awareness, there is a significant opportunity to create a cluster of innovation around advanced mapping technologies as well as exploring data analytics techniques and deployment of 'The Internet of Things' technologies to create networks of data collection and usage. Such advancements will contribute to economic growth and productivity while also creating a NSW specific skill that can be exported to other Australian jurisdictions and can even provide international economic opportunities. The collaboration with the Cooperative Research Centre for Spatial Information is a welcomed and an important first step. However there are further applications in gathering and using spatial data to which other research institutions can contribute. We note that both the University of Sydney and the University of New South Wales are heavily engaged in simulation, virtual reality and future city research programs. We urge you to leverage opportunities with universities and local engineering companies to explore possibilities. We are encouraged by your statement regarding BIM systems and encourage technology platforms that support exploitation of 3D design and asset lifecycle technologies.

We look forward to seeing your proposal develop further. Should you require any further information or for further analysis, please do not hesitate to contact The Warren Centre.

Sincerely,

Ashley Brinson  
Executive Director