Discussion Forum: Strengthening Government Surveying Capability for NSW's Digital Infrastructure Future

Jarad Cannings
NSW Public Works
jarad.cannings@pwa.nsw.gov.au

ABSTRACT

New South Wales (NSW) agencies face shrinking in-house survey teams just as digital engineering and digital twins demand more robust spatial data. Larger agencies may cope, but smaller councils and state bodies struggle without surveyors, risking data failures despite hitting delivery targets. This interactive discussion forum aims to test a practical 4-pillar framework through live polling and group discussion. Surveyors and spatial professionals are asked to prioritise challenges and discuss solutions across the four pillars, i.e. technical leadership, strategic procurement, workforce development, and data governance. This discussion forum aims to build shared solutions for the changing role of government surveyors in the digital era, identifying collaboration to strengthen NSW's digital infrastructure through reliable spatial data.

KEYWORDS: *Digital infrastructure, government surveyors, spatial data governance, NSW Spatial Digital Twin, capability framework.*