

# Scan to BIM for 3D Cadastres

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## SUMMARY

This paper presents the results of an investigation into the potential of 3D laser scanning and Building Information Modelling (BIM) technologies in strata surveys and 3D cadastres. The study sheds light on different facets of strata surveying processes using handheld and terrestrial devices. The investigation involves several stages including 1) investigation into survey control network for seamless scanning of interior and exterior of buildings 2) calibration methodology of laser scanning equipment, 3) scanning the case study site and building, 4) processing the scanning outputs, 5) assessing the quality of the scanning outputs, 6) creation of strata plans and BIM using the outputs and finally 7) proposing the best practice for a scan-to-strata plan as a guideline for strata survey digital measurement.