



CAPABILITY STATEMENT

3D Siteworks, established in 2019, specialises in construction data solutions spanning from project concept phase through to project completion. We support multiple sectors of the construction industry including:

- Earthworks
- Road and Rail
- Infrastructure
- Structures
- Utilities / underground services
- UAV / Aerial mapping

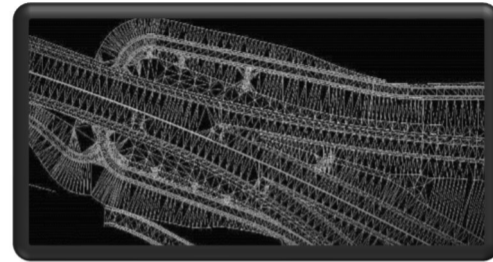
CORE COMPETENCIES

DESIGN MODELLING AND MASS HAUL

Creation and modelling of site works from issued design data for use in:

- Cost estimating
- Quantity take-offs and mass hauls
- Machine control
- Surveyors field controllers

Mass haul analysis with consideration of material costs, availability, haul distances and placement.



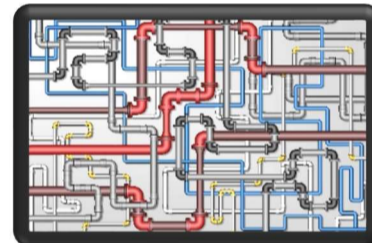
MACHINE GUIDANCE

- Conversion of designs into various machine guidance formats (Trimble, Topcon and Leica).
- Configuration of onboard systems to operate off local site GPS or Internet based corrections.
- Management of on-site fleet.
- Remote support and troubleshooting.

UTILITY MODELLING

Creation and maintenance of utility model databases from various sources (direct survey, service locations, scanning and DBYD).

- Data is organised into a coding system enabling the end user to gauge the accuracy, asset owner, size and type of service.
- Export of field data files for clash pegging.
- Checks against design model for service clashes.



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PROGRESSIVE MEASUREMENT

Periodic progressive quantity measurements based on data collected by project survey crews or by aerial survey.

- **3D Siteworks** is commercially registered to provide UAV surveys and the capability to extract data from UAV DEM models.

CONFORMANCE / AS-CONSTRUCTED DATA

Conformance reporting for all aspects of Civil works.

- All civil and structural works reported against specified tolerances.
- Collaboration of as-constructed data for final handover in a format required by the Client.



EXPERIENCE



3D Siteworks is fronted by Bruce Hopkins. Bruce is a qualified engineering surveyor and has been in the construction industry for over 25 years.

His career spans 4 countries and 3 continents with 14 years based in Western Australia. He has gained valuable experience on a wide range of projects including road and rail, utilities, major earthworks and structural projects (including multiple storey developments). Bruce was also involved in the Wembley Stadium redevelopment in the United Kingdom (2001-2003) and the Moses Mabhida Stadium in South Africa for the 2010 World Cup.

His role has progressed from Project Surveyor to Lead Surveyor to Survey Manager on the Gateway, WA project from 2012 to 2017 (WA's biggest infrastructure project to date) and the Metropolitan Road Improvement Alliance prior to heading up 3D SiteWorks.

CONTACT

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