



QA4LiDAR

QUICK AND ACCURATE QUALITY ASSURANCE

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QA4LiDAR simplifies, standardises and automates the quality assurance process for airborne LiDAR data. The tool has been designed to save users both time and money. QA4LiDAR will increase confidence in data quality, and ensure the data is fit for use.

What is it?

QA4LiDAR is a tool that replaces time intensive manual tasks required when quality checking airborne LiDAR deliveries. This tool drastically reduces both manual and computation time, while increasing the rigor and completeness of QA checks.

QA4LiDAR is designed for use by data suppliers and local, state and federal government data custodians. The tool provides a comprehensive list of checks, requiring minimal manual work, including:

- Delivery completeness and file corruption
- File naming and attribution
- Tile based classification statistics
- Survey control check
- Absolute and relative vertical accuracy
- Point density and DEM resolution
- Flight line coverage
- Data extent
- Visual review platform

Case Study

Queensland Department of Natural Resources and Mines (DNRM)

DNRM are a long time supporter of QA4LiDAR due to the large time investment currently required to check LiDAR data deliveries. The tool has been used in a number of LiDAR projects of different scales in Queensland, and has represented a significant time saving for every project.

Importantly, DNRM have adopted the QA4LiDAR toolkit as part of their standard LiDAR QA procedure. The output QA report and products from QA4LiDAR are incorporated into external data deliveries to increase user confidence in each dataset.

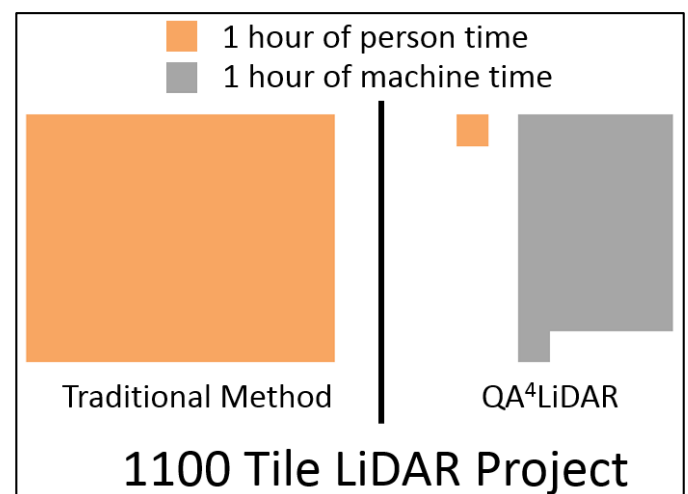
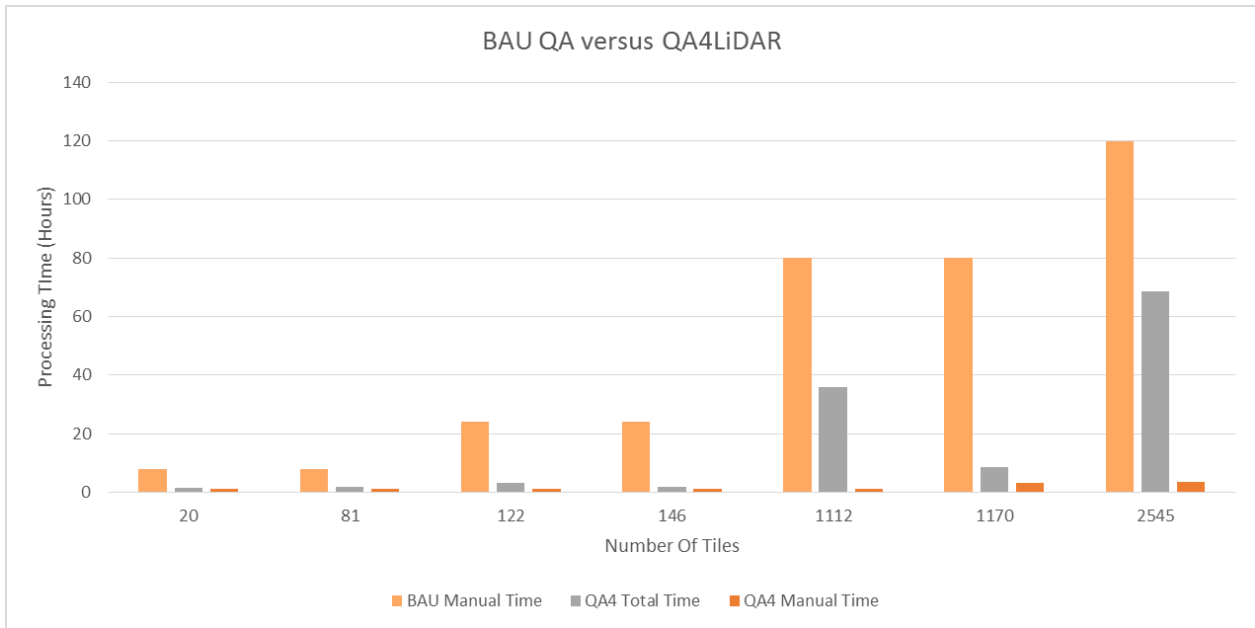


Figure 1: Time saved for DNRM on a real LiDAR project



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QA4LiDAR in Use

Private Company

Organisations such as the Department of Environment, Land, Water and Planning in Victoria are now writing the use of QA4LiDAR by LiDAR providers into their data acquisition specifications and contracts. The CRCSI has trained private companies such as AAM in the use of QA4LiDAR so they can meet these requirements.

QA4LiDAR allows transparency between government and private industry processes and expectations

Service Offering

Software

- QA4LiDAR
- QA4LiDAR Form editor

Services

- Training
- Offsite Quality Assurance

Contact

If you would like to discuss deploying QA4LiDAR within your organisation, or if you have any questions, please contact:

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