



Telecommunications Capability

Aerial Fibre & Service,
Survey, Design & Make Ready

Data

Automation

Analysis

Accuracy

Technology Automation for efficiency & cost.

Efficient Overhead Broadband Infrastructure

Broadband rollouts are major infrastructure projects aimed at helping stimulate economic growth. Telecommunication Network Operators want to deliver fibre infrastructure quickly and economically. This means utilising existing Power and Telecommunications infrastructure as a logical alternative to total underground installation.

To fully extract the value of using existing infrastructure, Intelfuse specialises in using automated laser survey technology (LiDAR) to capture telecommunication and powerline asset, street and location information. Intelfuse collects this 20 to 50 times faster than traditional ground survey and converts the LiDAR data into designs detailing fibre service locations plus clearances for the creation of Make Ready Works.

The Intelfuse team has over 15 years of Power and Telecommunications Sector experience and can fast track the pickup of “unknown overhead assets” and convert this into full work issue ready, utility approved construction issue designs. We create asset geographic information and link data to utility asset data, GIS references, land parcel owners and physical provisioning and access information. We intelligently fuse data and deliver the benefits to you.

Customer benefits

- Data captured at normal vehicle travel speed
- Single vehicle captures 1000's of poles each day
- Survey grade accurate pick up of unknown and known assets
- Reduces OHS risk with technology – i.e. less people on road
- Imagery is also captured at time of pick up
- Engineering compliant drawings
- Projects stay on schedule – customers are connected faster
- Linked to GIS, Utility and Land Owner information – Accurate Billing
- Use system automation so benefits repeatable and scalable
- We use approved Quality, Environmental and Safety protocols
- We understand Power and Telecommunications Infrastructure
- We use Accredited Project Managers so outcomes are fully integrated



Creating one true data set.

Single Network – Multiple Infrastructure

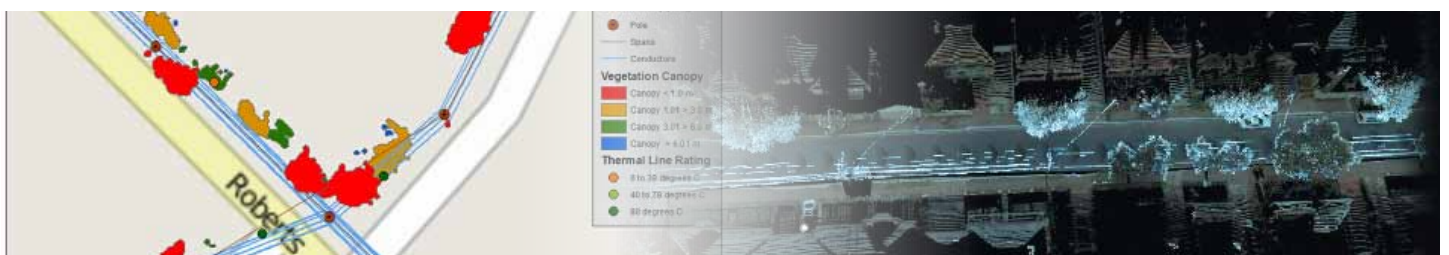
Most existing overhead networks were built between 40 and 75 years ago. While most utilities have advanced GIS and Asset Management Systems, the need for asset data accuracy, currency and reliability wasn't foreshadowed with the move to multiple networks on existing infrastructure.

The challenge of understanding what infrastructure is available, its servicability, and to whom it may be able to connect are key challenges of running dual networks, not to mention complexities of multiple network owners and their requirements. At Intelfuse we take this pain away for you. Intelfuse creates one true data set of your, and other infrastructure owner's network, carries out fit for purpose analysis and converts the data into usable packages of work, ready to issue to contractors of your new fibre network.

Australia is building a high-speed national broadband network and Intelfuse has a multiyear contract to link between the fibre network and the requirements of the many state based and privatised Power Distribution Companies. Intelfuse's role is to understand the requirements of each of the Power Distributors as well as the new fibre network and then survey with speed and scale, design and prepare construction packages for delivery contractors for overhead fibre and service drop installation.

What we can do for you

- Provide detailed design drawings
- Have Qualified Surveyors, Draftspeople, Engineers and PMs
- Use automated technology survey grade capture and processing of asset data
- Deliver Full Asset Register – know every one of your assets
- Provide Clearance Reports – Existing Power, Telco, Services to features
- Attachment height reporting
- GIS referenced photographs
- Power Design Confirmation – fit for purpose
- Negotiation with Power Utilities
- Fibre Design and Make Ready Assessment
- Vegetation Removal and Design requirements
- Confirm asset and land ownership
- Joint use asset recording and inventories
- Costing and Bill of Materials



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