

Improve everyday connectivity in the communities that host infrastructure projects



Bring reliable mobile coverage to regional communities while supporting your project's social licence to operate

Many renewable energy and infrastructure projects are developed in regional areas where mobile coverage is limited, unreliable or unavailable. Mobile Coverage Extension provides an opportunity to leave a positive legacy by improving connectivity for local residents, landowners, businesses and road users.

Community connectivity that creates shared value

As communities host critical renewable energy and other infrastructure projects, expectations continue to grow around delivering tangible local benefits. We're here to help the

communities you operate in and support your project to succeed. Mobile Coverage Extension helps developers:

- Deliver a visible and meaningful community benefit
- Improve safety and connectivity for local residents
- Support local businesses and agricultural operations
- Strengthen relationships with landowners and stakeholders
- Enhance project acceptance and social legacy.



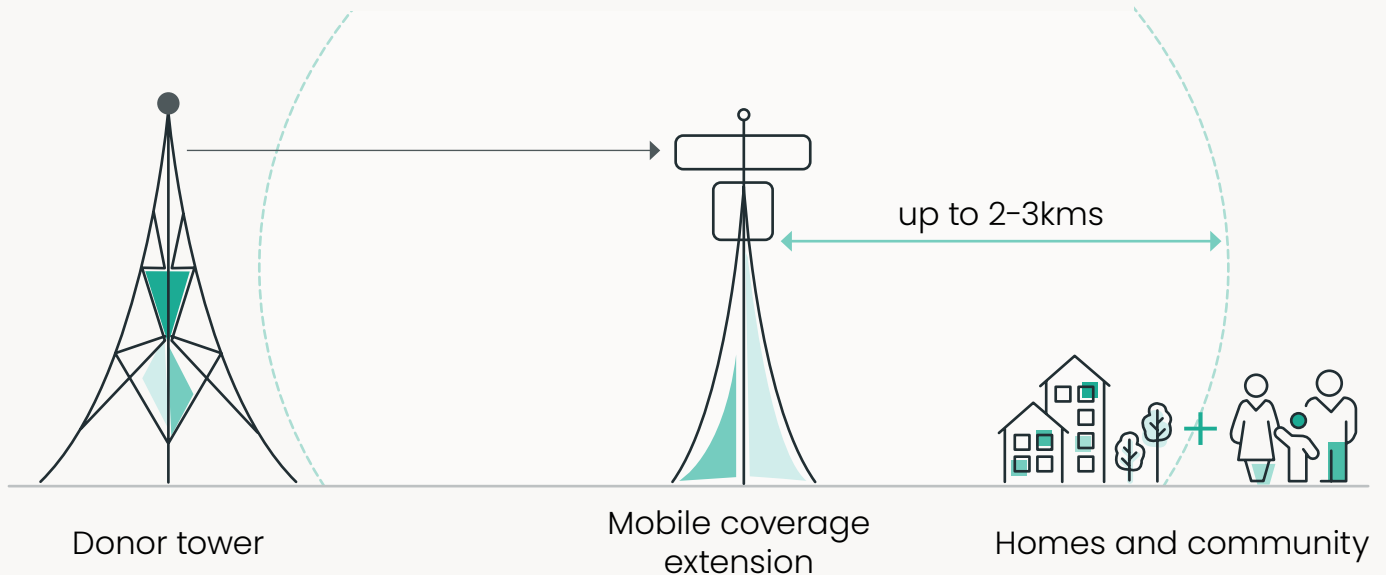
Help bridge the digital divide while building trust in the communities that host Australia's energy transition.

– Tim Stone, Head of Telecommunications

How it works

The solution uses ACMA and Australian Network Operator approved repeater technology to:

1. **Capture** an existing mobile network signal
2. **Improve** the signal using solar-powered equipment
3. **Rebroadcast** coverage locally to surrounding homes, roads and community facilities



1 Capture the donor signal

A directional antenna on the unit receives signal from nearest tower

2 Improve the signal

The signal is optimised using mobile repeater technology powered by a standalone solar and battery system

3 Extend mobile coverage to the community

The optimised signal is rebroadcast locally to provide improved connectivity for nearby homes, farms, roads and project facilities

Key facts

Feature	Benefit
Extend coverage up to 2-3km from the installation site*	Serves surrounding communities and project areas
Solar and battery powered	No grid connection required
Rapid deployment	Aligns with project schedules
Enable voice, SMS and mobile data connectivity**	Improves everyday connectivity
Can leverage existing infrastructure	Reduces cost and construction impact

*Coverage dependent on terrain and donor signal availability. **Dependent on which mobile carrier signal is being repeated.

Why choose Mobile Coverage Extension

Improve social licence through visible community benefits

Unlike many project investments that remain behind the fence line, improved mobile coverage delivers value that communities can experience every day. Residents benefit from:

- Improved access to emergency communications
- Stronger connectivity on local roads
- Improved communication for farms and businesses
- Enhanced digital inclusion across regional areas.



Benefits

For local communities	For infrastructure developers
Improved mobile coverage	Stronger social licence to operate and enhanced coverage for site operations including workers and telemetry
Better access to emergency services	Enhanced stakeholder engagement outcomes
Enhanced regional connectivity	Demonstrable ESG investment
Greater digital inclusion	Positive project legacy
Long-term community benefit	Supports community benefit commitments Helps address common local concerns around project value



Deliver more than energy

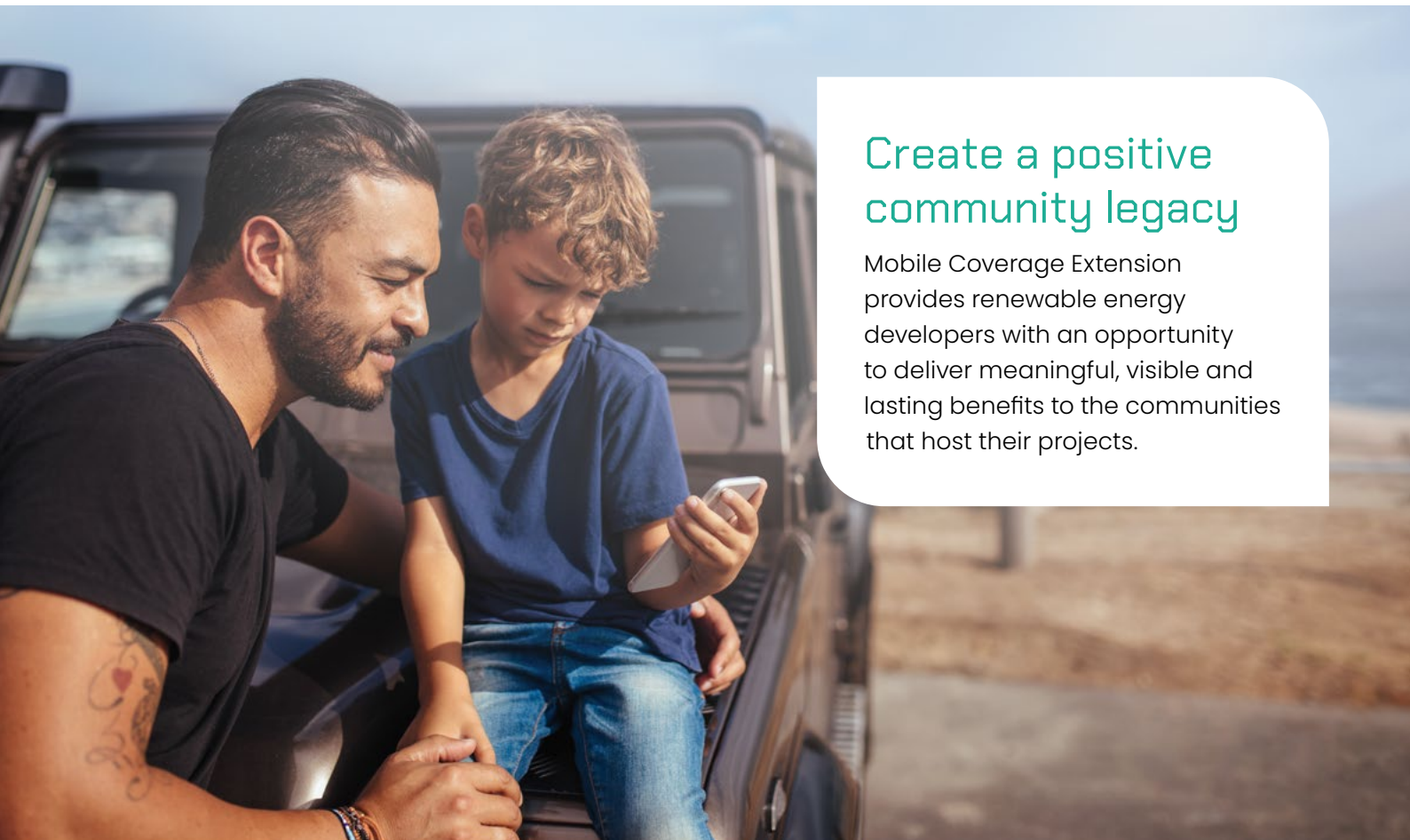
Mobile Coverage Extension can be deployed alongside existing project infrastructure to maximise community benefit from assets already being developed. The solution is able to be mounted on a wide variety of structures. Potential deployment locations include:

- Transmission infrastructure
- Communications towers
- Meteorological masts
- Construction compounds
- Other suitable project infrastructure.

Applications

Supporting regional infrastructure projects

- Renewable energy projects
- Renewable Energy Zones (REZs)
- Transmission infrastructure projects
- Temporary construction workforces
- Regional access roads and corridors
- Other infrastructure projects such as water, mining etc



Create a positive community legacy

Mobile Coverage Extension provides renewable energy developers with an opportunity to deliver meaningful, visible and lasting benefits to the communities that host their projects.

Talk to Lumea about how Mobile Coverage Extension can support your project's social legacy objectives. [Read more via the QR code](#)

