CritiCom TECHNOLOGIES

Critical communications, end to end

CritiCom Technologies is building a group of specialist communications companies, with Wave1 and Cellular Asset Management (CAM) as its first acquisitions. We design, supply, install and maintain the wireless networks that link sites and the systems that carry mobile coverage inside buildings, across Australia and the Asia Pacific.

TOGETHER WE DELIVER

16,000+
wireless links installed across Australia

1,000+
in-building coverage sites completed nationally

20 Gbps
peak throughput on a single link, scaled to site needs

ISO
9001 quality, 14001 environment, 45001 safety

WHAT WE DO

Site to site

Wireless wide area networks engineered for the path, the terrain and the capacity the site needs

- Licensed microwave links, 8 to 38 GHz
- Licence-free radio, 2.4 and 5.8 GHz
- Optical and microwave transmission
- Path surveys and line-of-sight checks

Inside buildings

Multi-carrier in-building coverage, and the carrier network that feeds it from outside

- 4G and 5G DAS, active and passive
- Carrier macro sites and RAN refresh
- Coverage surveys and walk testing
- Repeater and temporary coverage

Infrastructure and support

The structures, power and monitoring that keep a network running once it is live

- Towers, masts, poles and solar trailers
- Installation, commissioning, integration
- 24/7 monitoring and monthly reporting
- Site life-cycle management

INDUSTRIES SERVED INCLUDE

Telcos & ICT providers	Defence	Emergency services	Government & councils
Health & education	Transport & rail	Mining & resources	Utilities & water
Renewable energy	Airports & stadiums	Retail & property	Construction & manufacturing

DELIVERED BY Wave1 CELLULAR ASSET MANAGEMENT

Current group companies
More to be added

CritiCom TECHNOLOGIES

Specialist depth, without the handovers

Engineering held in-house

Design and installation sit with our own people, and the team that builds a site is the team that maintains it

Accredited and audited

Crews ticketed for advanced rigging, working at heights, boom lift and ACMA

National reach, local crews

We mobilise from offices in several states to sites metro or remote, backed by our own held spares

FLAGSHIP PROJECT · WAVE1 — 2026

High-capacity links to remote sites for a state-owned corporation

Regional Victoria. Gigabit-class microwave capacity upgraded or installed across the network, ageing towers replaced, and a new solar-powered greenfield repeater site built. Surveys, engineering design, environmental and geotechnical work, site acquisition, commissioning and support all in-house.

1 Gbps+ capacity per link

13 microwave links

FLAGSHIP PROJECT · CAM — 2025

Multi-carrier DAS through a 50-level Collins Street tower

An active 4G and 5G DAS designed and built for a commercial property, covering every level and every lift shaft for all carriers

300+ antennas, 9 sectors

10 months build to completion

THE GROUP AT A GLANCE

1985 designing and installing wireless links since

100 km+ longest site-to-site spans connected

20 years providing wireless coverage solutions

700 to 3600 MHz frequency bands supported across carriers

Talk to the team doing the work. Each company quotes, installs and maintains its own projects

Wave1 and Cellular Asset Management are wholly owned by CritiCom Technologies

CritiCom TECHNOLOGIES

wave1.com.au
Links, towers and RF engineering

cellularasset.com.au
In-building and carrier coverage

Building a communications business and thinking about your next step? We are looking for quality companies to add to the CritiCom Technologies group

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