

# POWEREC CEL-FI COMMUNICATIONS TRAILER

## MEDIUM SERIES, 7 METRE COUNTERWEIGHT MAST

### OVERVIEW

APAC specialise in the design and fabrication of communications trailers built to the highest of international standards. Exported to the world, APAC trailers are 100% Australian designed, built, and shipped from our facility in the Sunshine Coast, Queensland.

Powertec through its close partnership with APAC have developed a rapid-deployable cellular communications platform that provides mobile phone and data coverage within minutes of setup. The system uses Cel-Fi repeater technology to broadcast Telstra 4G service throughout the immediate surrounding area (200 to 400 m typical 60° arc). A range of technology options are available, with WiFi, CCTV, Warning Sirens bolt-on kits available on request. The trailer can be deployed as a managed service with GPS tracking, remote steerable antennas also available.

Operation is simple and effective; the dual-section telescoping mast is extended to desired length, locked into position using a heavy duty 5/8" hitch-pin, and then raised using a powerful 1.8 hp winch system with 6 mm 7x19 strand stainless steel wire.

The standard supplied communication boxes are as standard painted in high impact, high visibility yellow and chassis is hot dipped galvanised. Through partnership with leading Queensland painting facilities, the trailer system can be painted to your specific requirement including to MIL-STD and NATO/STANAG standards, such as Olive Drab, Desert Tan, and NATO Green colour schemes.



### FEATURES

- 7.6 m dual-stage mast
- 50 kg (engineered) lifting capacity
- 50 mm axle with drum brakes
- Galvanised body, high impact yellow, or stainless steel cabinet options
- High quality Australian made product
- Full custom builds available; mine, aero, and mil-spec builds

### TYPICAL APPLICATIONS

- Defence, counter-terrorism, and policing operations
- Emergency services/disaster relief
- Mining CCTV and wireless backhaul
- Cell-on-wheels / Mesh wireless
- Semi-permanent and temporary communications

## SPECIFICATIONS

MAST	CCWT-CH7M
Fully Deployed Height	7640 mm
Minimum Deployed Height	4220 mm
Mast Sections	2
Maximum Payload	50 kg
Winch Cable	8 mm Dyneema or 6 mm 7x19 Stainless Steel
Winch Cables Per System	1
Tilt Winch Motor (hp)	1.8
Spigot	Single Spigot or RS485 Pan-Tilt Unit for remote operation
Donor Antennas	Up to 2x Directional Narrowband Yagi
Service Antennas	Up to 2x Directional Panel / Sector
Networks	Telstra B28 L700 Standard, Options Available
TRAILER (TYPICAL)	AP-T-CH7M
GVWR	1500 kg
Deck Height	600 mm
Number of Axles	1
Transport Height	2605 mm
Transport Width	1900 mm
Transport Length	4473 mm
Curb Weight	1250 kg
1000 kg Levelling Jacks	4
Outriggers	4
Galvanised	Y
Equipment Cabinet	2000x1250x585 mm (option dependent)
Battery Box	1200x600x500 mm (option dependent)
Full Size Spare Tire	Y
DOT- Safety Chains	Y
DOT- Break Away Kit	N
Std. 7-Pin Electrical Connector	Y
Wheel Chocks	Y
Coupling Hitch	50 mm 3.5T

