

COVERAGE. WHERE YOU NEED IT WHEN YOU NEED IT

RNS Cell on Wheels

Rapidly deploy mobile network coverage and capacity with a flexible, relocatable telecommunications solution engineered for temporary and evolving network requirements.




25m CELL-ON-WHEELS

Rapid Deployment Communication Platform

-  **Grade 355**
High Tensile Steel Construction
Including complete trailer
and mast structure.
-  **Deploys Within 9 Minutes**
Built Strong.
Deploys Fast.
Connects Anywhere.
-  **Ideal For Emergency,
Events, Mining, Security
& Temporary Coverage**


**DEPLOYS
WITHIN
9 MINUTES**

Built Strong.
Deploys Fast.
Connects Anywhere.



Manufactured from Grade 355 High Tensile steel including complete trailer and mast structure



Supports radio repeaters, WiFi, telemetry, CCTV and other communication equipment



Fully road -towable and designed for tough African conditions



Quick to deploy, easy to operate and built for reliability



Proudly Manufactured in South Africa.
BUILT FOR AFRICA



<https://rns.radionetworksolutions.com>



info@rns.co.za



Call us for more info
011 794 2227

Connectivity Where You Need It

WHEN CONNECTIVITY CAN'T WAIT

The RNS COW has been engineered around one principle: get critical communications infrastructure operational quickly.

Its trailer-mounted design enables the unit to be transported directly to site and rapidly deployed without the lengthy construction requirements associated with permanent tower infrastructure.

25M Maximum mast height

**+/-
9MIN** Rapid deployment capability

3/6/12 3, 6 or 12-sector configurations depending on coverage and capacity requirements.

2-5G Supports operator deployments from 2G through to 5G.

Arrive. Position. Deploy. Connect.



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Engineered for tough Conditions

BUILT STRONG. BUILT FOR AFRICA

Manufactured using Grade 355 high-tensile steel, the RNS Cell-on-Wheels combines a heavy-duty trailer platform with a robust mast structure designed for demanding operating environments.



Road-Towable Design

Move infrastructure between locations as operational requirements change.



Rapid Deployment

Designed to minimise setup time and operational complexity.



Reliable Platform

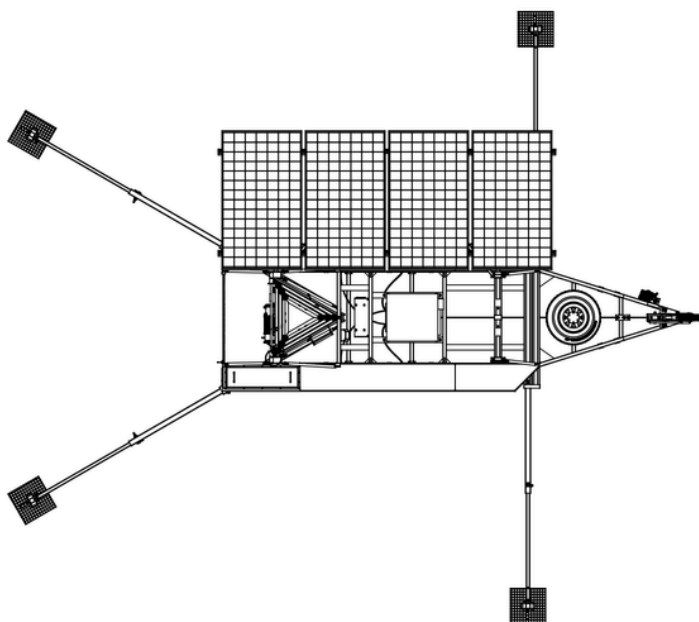
Engineered to support communications equipment in demanding environments.



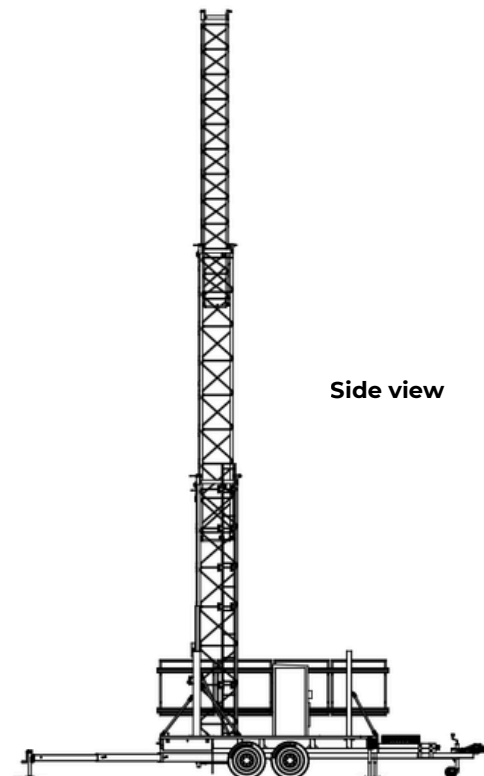
Locally Manufactured

Designed and manufactured in South Africa for African operating conditions.

Top view



Side view



Contact Us



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One Platform. Multiple Applications.

MORE THAN A MOBILE TOWER

The RNS COW creates an elevated platform capable of supporting a range of communications and monitoring technologies.



Mobile & Radio Networks

Temporary coverage, network expansion and capacity support.



Radio Repeaters

Extend communications into remote or difficult-to-cover areas.



Wi-Fi

Create temporary wireless coverage for sites and events.



CCTV & Security

Elevated surveillance and monitoring capabilities.



Telemetry & IoT

Support remote monitoring and connected equipment.



Emergency Communications

Rapidly establish communications infrastructure when existing networks are unavailable.

Rent Instead of Build

Not every coverage requirement needs a permanent tower.

RNS COW rental provides organisations with access to rapidly deployable communications infrastructure for temporary, project-based and changing operational requirements.

Lower Upfront Investment

Avoid capital investment in permanent infrastructure for temporary requirements.

Operational Flexibility

Deploy, relocate or remove infrastructure as requirements change.

Faster Coverage

Reduce the time between identifying a coverage requirement and deploying infrastructure.

Short-term requirement. Long-term project. Emergency deployment. RNS can provide the infrastructure to match.





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Coverage Engineered Around the Environment

No two venues have the same coverage requirements. RNS Cell on Wheels solutions can be configured with multiple antenna sectors to direct coverage and capacity precisely where it is needed.

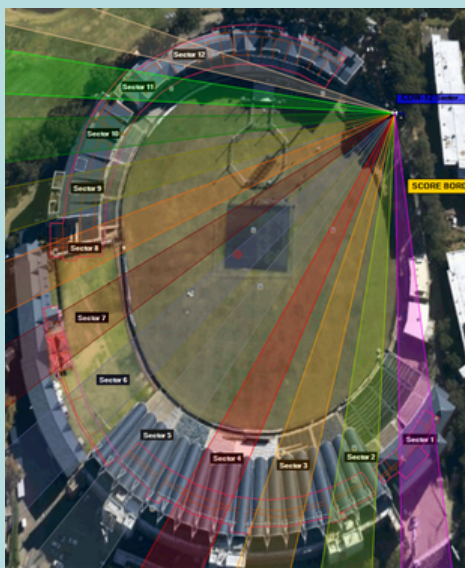
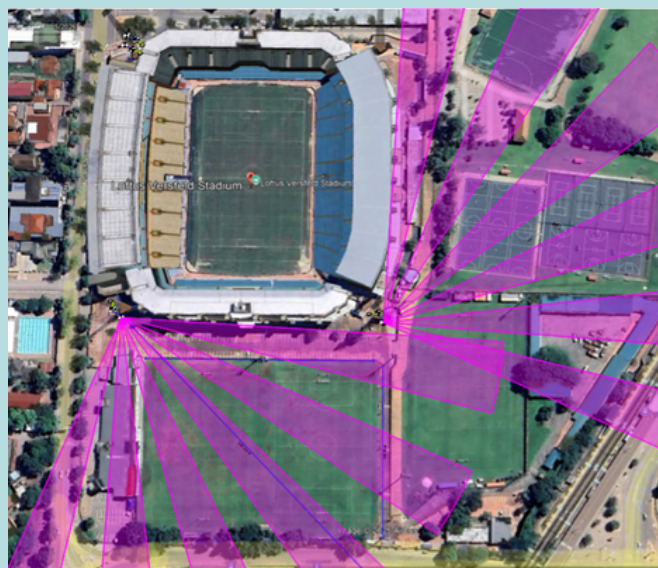
These real-world deployment designs demonstrate how sectorisation can be adapted for different venue requirements, from concentrated coverage inside a stadium to wider coverage across surrounding outdoor areas.

12-Sector Configuration – Wanderers Cricket Stadium (bottom left)

Designed for high-density environments where coverage and capacity need to be precisely distributed across multiple areas. The 12-sector configuration allows individual sectors to be directed into specific sections of the stadium, helping deliver focused coverage across the venue while making efficient use of a single COW deployment point.

6-Sector Configuration – Loftus Versfeld Stadium (bottom right)

For broader outdoor requirements, a 6-sector configuration can be used to extend coverage beyond the stadium itself. Individual sectors can be strategically directed towards surrounding areas such as fan zones, entrances, parking areas, hospitality spaces and other high-traffic locations.



Solutions

RNS Cell on Wheels - Solution Options

Technology: Configurable for 2G / 3G / 4G / 5G deployments, subject to the operator's radio equipment and network requirements.

***Capacity guidance*:** Actual subscriber capacity will depend on spectrum allocation, radio configuration, traffic profile, backhaul capacity and site conditions.

COW Solution	Ideal Applications	Configuration	Recommended Scale	Included	Client / Network Requirements
3-Sector COW	Greenfield sites, temporary coverage, tower backup, network capacity testing, mining and remote locations	3-sector antenna configuration providing 360° coverage	Temporary or targeted coverage deployments	Road-legal trailer, telescopic mast, 3-sector antenna system, RF cabling & connectors, backup generator provision	RRU/radio equipment, transmission via microwave or fibre, network integration, fuel/diesel
6-Sector Event COW	Events, festivals, fan zones and high-footfall temporary locations	6-sector configuration allowing capacity to be focused across key zones such as entrances, hospitality, food areas and gathering points	Up to ±6,000 attendees*	Road-legal trailer, telescopic mast, antenna system, RF cabling & connectors, backup generator provision	RRU/radio equipment, transmission/backhaul, network integration, fuel/diesel
12-Sector High-Capacity COW	Stadiums, major events and high-density environments requiring multiple targeted coverage zones	12-sector configuration designed to distribute capacity across the venue, including line-of-sight coverage within stadium bowls	Up to ±12,000 attendees*	Road-legal trailer, telescopic mast, antenna system, RF cabling & connectors, backup generator provision	RRU/radio equipment, transmission/backhaul, network integration, fuel/diesel