



TECH SOLUTION BRIEF

# AUTO-ALIGNING SOLUTIONS FOR EVENT-DRIVEN DEPLOYMENTS

## RAPID MMWAVE COVERAGE THAT MOVES AT THE SPEED OF YOUR CROWD

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Communication service providers (CSPs) are constantly challenged to deliver high-capacity coverage in unpredictable, high-traffic environments - from festivals to public gatherings to sports competitions, and other large-scale activities. Such occasions generate intense demand, often in locations where permanent infrastructure is limited or not available.

Extending or boosting a mobile network for events and emergencies presents several challenges for CSPs:

- Adding fiber on short timelines is rarely feasible
- Setting up traditional wireless links typically takes at least several hours
- Aligning wireless links requires skilled personnel

Ceragon's Auto-Aligning solutions, powered by mmW or multiband radios, give CSPs a smarter way to deploy multi-gigabit connectivity on demand—without digging, delays, or climbing.

**Just plug in, power up, and connect—no climbing, no guesswork, and no delays.**

## RAPID DEPLOYMENT FOR DEMANDING ENVIRONMENTS

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With auto-aligning solutions, CSPs can rapidly evolve their service footprint. Whether delivering seasonal coverage, or extending capacity during high-demand events, Ceragon's Auto-Aligners give you the speed, performance, and flexibility to make it happen.

DEPLOYMENT SCENARIO	HOW THE AUTO-ALIGNER DELIVERS
Live Concerts, Festivals & Sports Events	Instant high-capacity links for streaming, ticketing, and operations
Pop-Up Venues & Recurring Gatherings	Fast, reusable deployments; no trenching or fixed infrastructure required
Urban Areas with Limited or No Fiber	Fiber-free gigabit last-mile bridging via mmW
High-Density Zones & Emergency Situations	Rapid capacity for public safety and critical comms
Disaster Recovery	Instant links for rescue, command, and coordination
Field Ops, Demos & Smart City Testbeds	Temporary mmW for pilots, IoT zones, and remote testing
Broadcast & Mobile Media Coverage	High-throughput uplinks for live and remote production
Rapid Service Restoration	Interim links during repair of permanent infrastructure



## SOLUTION OVERVIEW

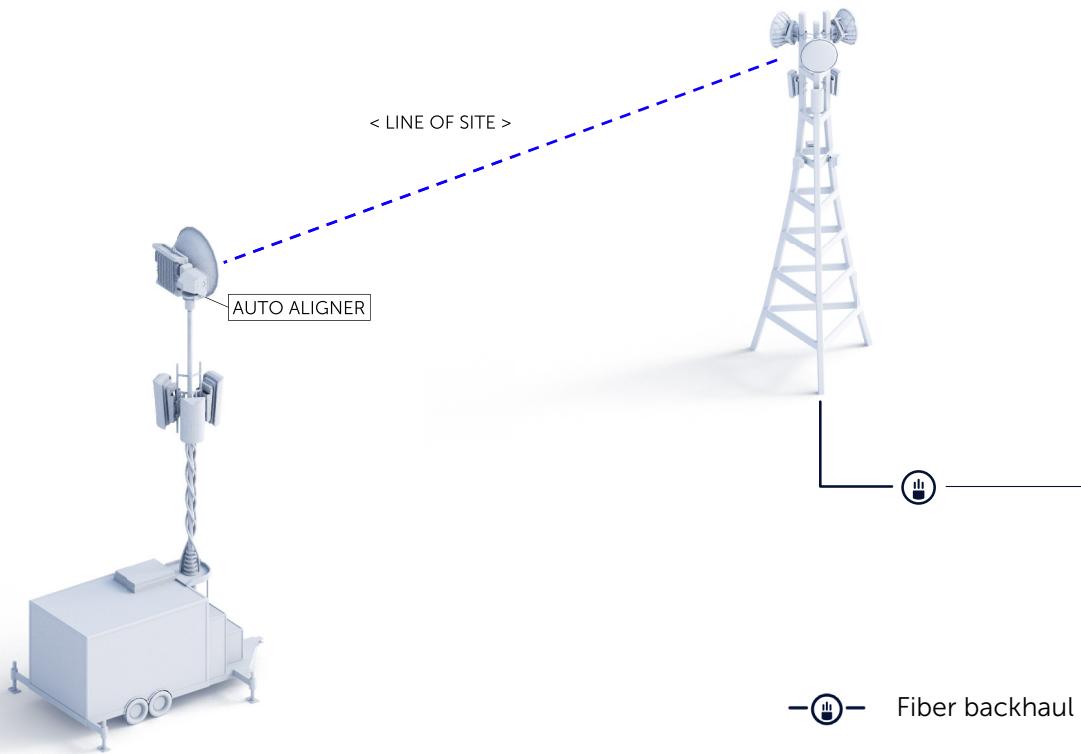
Ceragon's Auto-Aligners enable fast, field-ready connectivity for temporary or hard-to-reach deployments—without the hassle of manual setup, lengthy calibration, or tower climbs. The system adheres to predefined performance thresholds that establish ongoing stable communication up to 10 Km (6.5 mi), delivering high-capacity interference-free links in just minutes.

The solution includes:

- High-performance mmW or multiband radios
- Portable, ruggedized mounts or integration with existing infrastructure
- Pneumatic, telescoping masts
- Up to 10 Gbps capacity
- Up to 99.999% availability
- Azimuth range - up to 400° (+/-200°); Elevation range - up to 120° / -20°

With a web-based interface for easy configuration and remote monitoring, Ceragon's Auto-Aligning solutions deliver instant high-capacity coverage wherever you need it.

## CERAGON'S AUTO-ALIGNER NETWORK ARCHITECTURE



Ceragon's Auto-Aligner brings your network where your users are



## KEY SOLUTION BENEFITS

+ PORTABLE	+ UP TO 99.999% AVAILABILITY
+ mmW PERFORMANCE	+ RAPID SETUP IN MINUTES
+ CHAIN / SPOKE TOPOLOGY	+ ZERO TOWER CLIMBS
+ NO EXPERTS NEEDED	+ RUGGED FOR HARSH CONDITIONS
+ TEMPORARY OR LONG-TERM SET-UPS	+ STORED COORDINATES FOR QUICK REDEPLOY

## EXPERIENCE THE CERAGON ADVANTAGE

**Let's connect!** Ceragon's Auto-Aligner solutions extend temporary, high-capacity mobile coverage—without complexity.

Visit us @ [www.ceragon.com](http://www.ceragon.com)

