



Mobile Infrastructure Engineering Consortium

The Mobile Infrastructure Engineering Consortium (MIEC) is an alliance of leading U.S.-based telecom engineering firms:



We deliver high-quality structural engineering services for wireless networks, backed by decades of experience, shared workflows, and proprietary tools. MIEC was formed to elevate wireless construction standards globally by uniting engineering rigor, automation, and real-world constructability.



What Makes MIEC Unique

- 90,000+ telecom projects engineered
- \$700M+ in documented cost savings
- 40,000+ Post-Modification Inspections (PMIs) conducted
- 35+ standardized mount modification kits developed
- Trusted by major U.S. MNOs and tower companies



Driving Engineering Excellence in Wireless Infrastructure:

The Mobile Infrastructure Engineering Consortium (MIEC) is redefining the design, analysis, and deployment of wireless infrastructure—delivering over \$700 million in documented savings across more than 90,000 telecom projects in the U.S. By utilizing data-driven methodologies, maintaining consistent workflows, and adopting emerging technologies, MIEC assists MNOs and Tower Cos in unlocking:

01. CAPEX and OPEX efficiencies

Through structural clarity, engineering reusability, and reduced field interventions

02. Faster time-to-air

With live digital models and optimized engineering workflows

03. Enhanced safety and compliance

Through standardized enforcement, inspections, and accountability.



Scan the full press release about the MIEC and its industry impact.

Case Studies & Snapshots / MIEC White

Please refer to the MIEC white paper, which features a range of real-world case studies and engineering snapshots demonstrating how mobile network operators have reduced costs, improved timelines, and optimized their infrastructure through MIEC methodologies and best practices.

Scan the QR code to explore how MIEC transforms telecom infrastructure through advanced structural engineering, real-world insights, and digital innovation.



Optimizing engineering to enable scalable, cost-efficient network expansion.

Key Challenges Solved by MIEC

Challenge	MIEC Solution
High engineering variability, redundant costs, and inconsistent deliverables	Consortium-based standardization, peer-reviewed design kits, and consistent EOR-driven workflows
Equipment deployment delays and costly field rework	PMI/PII inspections to verify installations; digital twin preservation to eliminate rework
Risk of overdesign, non-compliance, or costly tower modifications	Code-aligned design reviews and practical engineering judgment to right-size solutions
Inefficiencies from third-party turnkey models	Direct EOR-to-GC collaboration and data ownership to avoid markup-driven designs
Lost data and repetitive site mapping	Centralized live site models with structured data retention policies

Get in touch



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