

# RF Engineering

## Coverage and Capacity

HMI Technical Solutions (HMITS) expands and enables wireless service coverage — even in today's most challenging environments. Our radio frequency (RF) engineering experts are trained in a multi-discipline approach to provide design and engineering services for flexible coverage within your venue or throughout your community, and can be tailored to fit your individual wireless needs.

From designers, planners, hardware and software specialists to analysts, system engineers, and project management professionals, we have the team in place to complete your project, from source to end user.

## Distributed Antenna System (DAS) Solutions

- In-building DAS
- Outdoor DAS

## Continuous Wave (CW) Testing

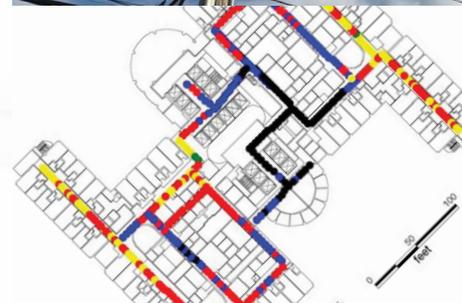
- In-Building testing to refine and validate design model

## Benchmarking

- Competitive voice and packet data benchmarking solutions customized to support the needs of wireless operators, infrastructure vendors, or any other agencies required to analyze the network performance.
- Tests: Comprehensive voice, data, carried out for mobility, strategic locations and indoor scenarios.

## Post-Installation Network Testing

- Key Performance Indicator (KPI) Acceptance Testing
  - RSSI, RSRP, RSCP, etc.
  - Uplink / Downlink Throughput tests
  - Data Session Accessibility (RRC Accessibility)
  - Data Session Retainability (RRC Retainability)
  - Channel Power
  - Fade Margin & Link Budget Analysis
  - Call Processing



## About Us

HMI Technical Solutions is an industry-leading, privately held engineering and construction firm that provides comprehensive infrastructure solutions to help customers advance their project approaches and requirements. We help our customers grow and strengthen their infrastructure systems by focusing on the five key drivers of growth—technology, process, labor, training, and cost efficiency—at every stage of every project.

HMI Technical Solutions, LLC is a wholly owned subsidiary of Henkels & McCoy Group, Inc.

## Project Management

Our proven Connected Infrastructure Model™ ensures that we consistently and seamlessly execute all of the fundamental parts and processes of infrastructure projects.

Anchored by our project management processes, systems, and procedures and supported by skilled, passionate people, the Connected Infrastructure Model™ drives results from project planning to implementation.

Our commitment to project management includes:

- Robust internal Project Management Organization (PMO)
- Project management training on scheduling, job tracking, cost management, risk management, leadership, and communications skills
- Project management systems and enterprise software tools to access project data at any time, on or off-site
- Work Management System that integrates financial and production tracking needs into a single comprehensive, customizable system
- Accountability for tracking progress and meeting overarching project goals

## Our History

As a wholly owned subsidiary of Henkels & McCoy Group, we borrow from nearly a century of experience designing and constructing millions of miles of safe, reliable, and world-class infrastructure for our utility, commercial, and government customers. Throughout its storied history, Henkels & McCoy Group has demonstrated an ability to innovate and change to meet the needs of its clients. A company that started as a tree removal service has grown to consistently rank as one of the top specialty contractors in the United States, serving a range of infrastructure engineering and construction needs.

