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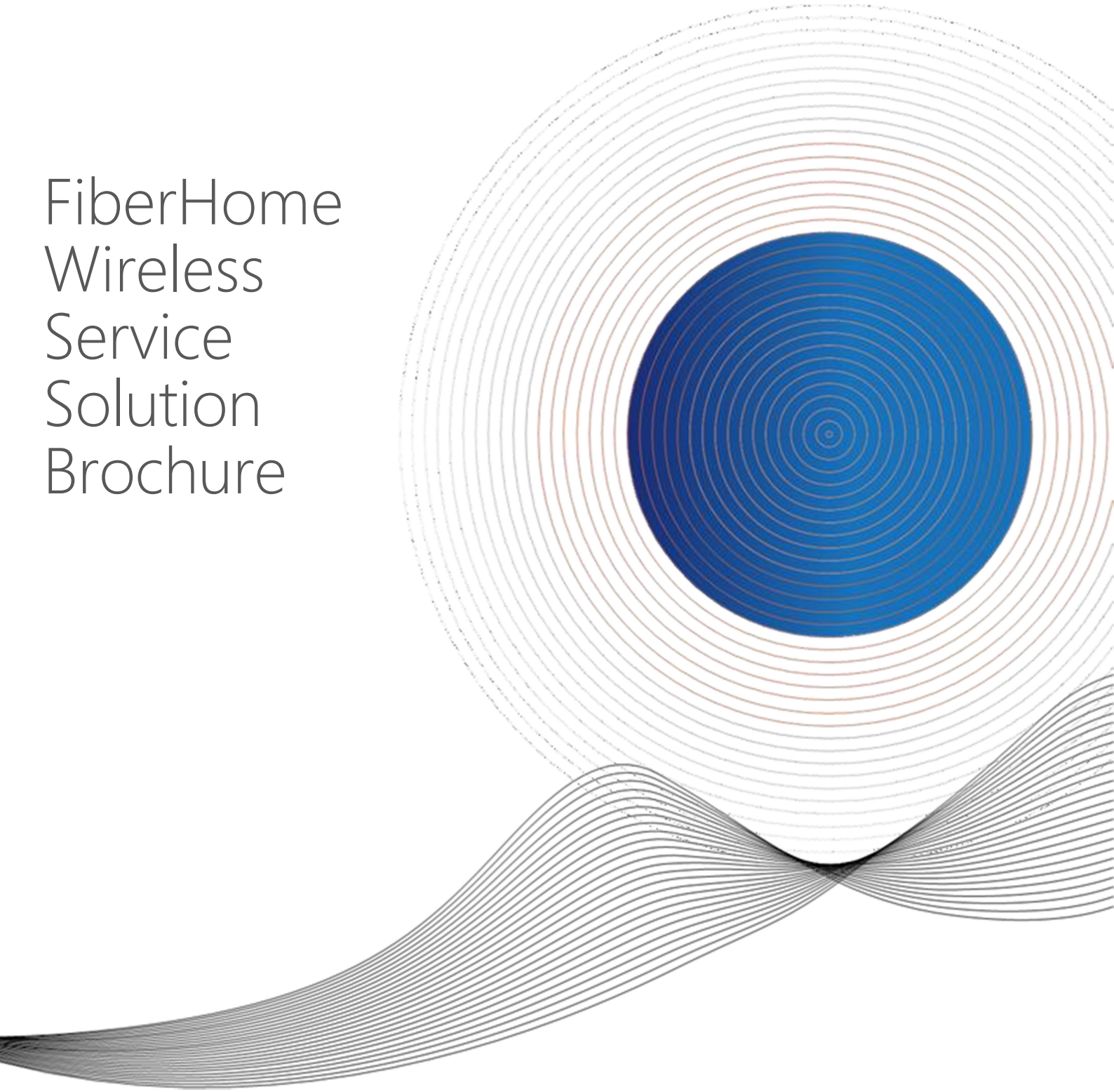
FiberHome Wireless Service Solution Brochure



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Network Planning

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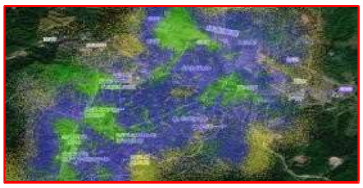
Perspective Network, Value Exploration

Value Exploration → **Coverage analysis** → **Network planning**

Value Region Searching

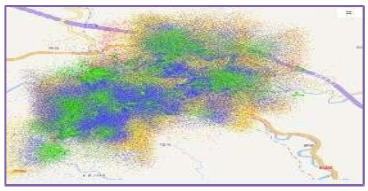


- Residential area
- Inferior zone
- Scenic spot
- Discrete zone

Virtual road test evaluation

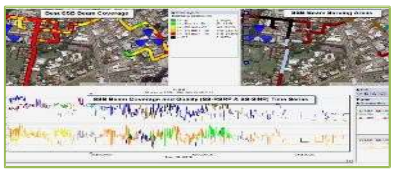
Grid based evaluation

Competitive evaluation

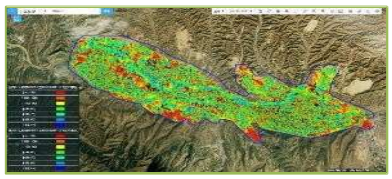


- 4/5G weak coverage analysis
- UL/DL coverage analysis

Data model calibration

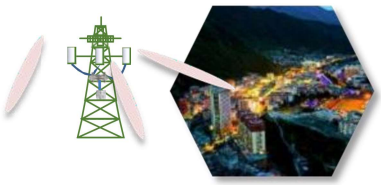


4/5G Joint Site Planning

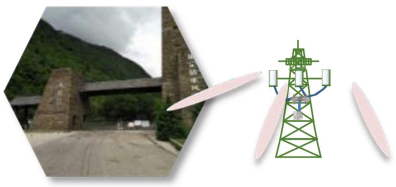


Self planning matching

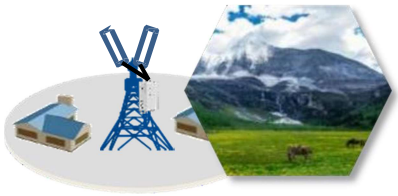
- Continuous coverage
- Comprehensive coverage



Urban / villages



Scenic spot

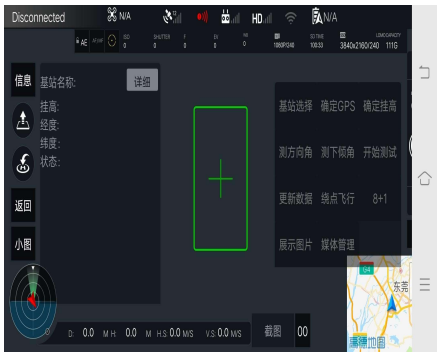


Belt scene

Traffic trunk line

Network coverage planning for different scenarios

CICTM has launched the AI based Antenna Star intelligent unmanned aerial vehicle survey system, which can accurately solve the problems of high risk and difficult scene surveys, as well as the large number of 2/3/4/5G antenna feeds and inaccurate antenna feed parameters. At the same time, it greatly improves survey efficiency and reduces costs.



Application scenarios

- Unmanned aerial vehicle base station inspection, site selection survey
- AI automatic recognition
- Accurately obtain various data (sky, pole, tower resource asset management, base station detection)
- Stand up testing of base station antenna posture as a substitute for high-risk high-altitude operations

Business Experience Optimization

Analyze factors affecting business quality . Master the differences between different terminals and users when using various services. Define and optimize the core network, wireless network, service platform, terminal, etc.

Network Performance Optimization

Through self-developed tools, the network indicators, loads, parameters and coverage of all manufacturers and modes are intelligently optimized and adjusted, thus improving the overall network performance.

End-to-End Full Dimensional Optimization

Through the big data platform, key technologies such as big data modeling, multi-data source association, and network slicing are used to provide complete end-to-end optimization solutions covering wireless networks, core networks, etc.

Industry Scenario Application Optimization

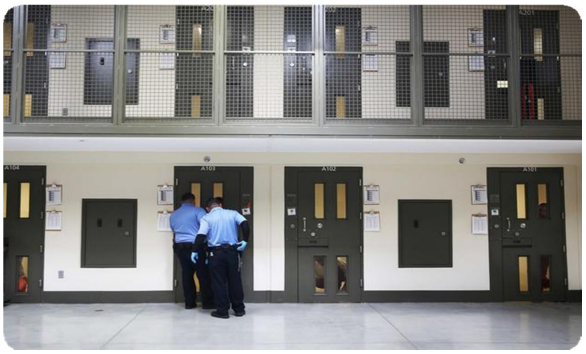
Precisely grasp the personalized, customized and differentiated customer experience needs of vertical industries. Driven by big data and supported by IT platform, it provides industry customers with more secure, accurate and reliable network operation services.

All for the students to concentrate on their studies . Large teaching buildings and dormitory buildings have put forward the demand for regular shielding.

Prisons, detention centers, military and large areas that need to avoid collusion of confessions and ensure security, put forward the need for overall shielding.

Standardized examination room, national education examination and test paper printing factory all need signal shielding devices to maintain a fair and just examination room order.

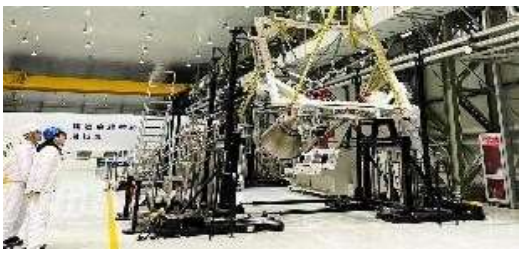
Party and government organizations, conference rooms of various enterprises, judicial courts and other secret related institutions have strong demand for signal shielding.



Technical Highlights

Full system signal shielding, using signaling interference, with higher interference efficiency.	Only interferes with the downlink signal and has no interference with the uplink of surrounding operators BTS.
Effectively control direction and distance of the shielding signal to achieve accurate control of the shielding range.	Provide a unified management platform (high-power) for centralized control of all shielding equipment deployed on site.

Application scenarios



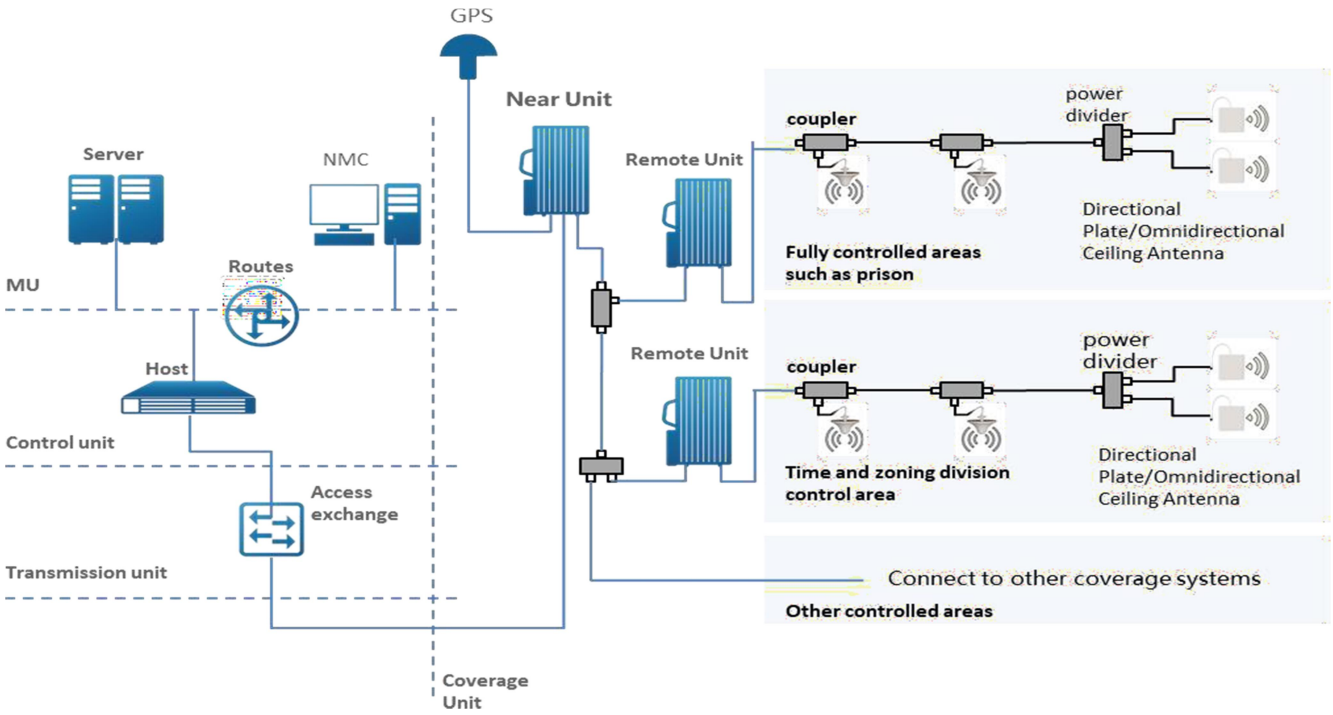
Research institutes

Strategic Facilities

Military Camp

prison

Based on the "macro base station" solution, CICTM Mobile has introduced the unique "carrier splitting" technology and innovatively developed multiple major breakthroughs such as "smooth flow" and "intelligent enhanced coverage" technologies, achieving full frequency and full standard coverage, ensuring that the mobile control system can achieve full frequency and full standard coverage in the most complex operator network environment while ensuring the perception of whitelist users.



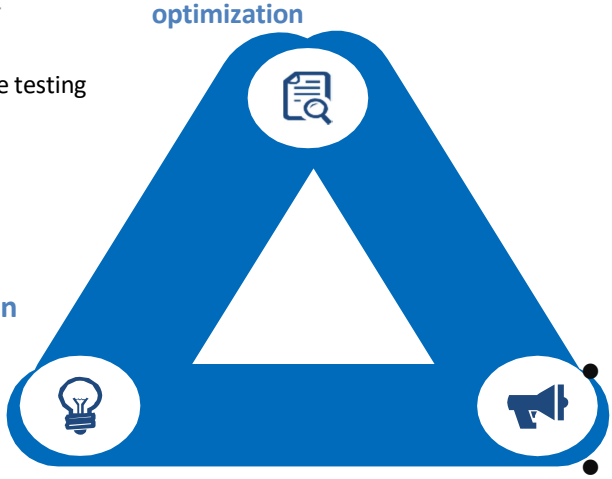
Airborne intelligent testing

Multifunctional

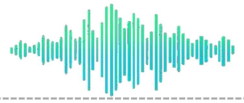
Functions

1. Airspace planning and maintenance optimization

- UVA, E-VTOL route quality/performance testing
- Quality Prediction of Air Network
- Airspace Network Quality Survey

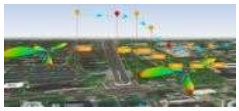


2. Interference source localization



- Drones equipped with frequency scanning modules
- Obtain the direction of the interference source
- positioning of interference source location
- Determine the strength of the interference source

3. Multidimensional presentation and control



- Visualization of drone location
- 3D presentation
- Automatically analyze and output suitable flight routes
- Multiple testing drones for task control

Integrated operation

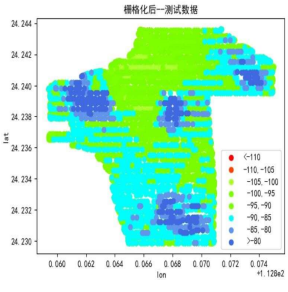
Self developed remote control app integrated with DJI drones

- Business Control: Supports FTP, PING, idle and other business controls
- Network enforcement: standard enforcement, community enforcement, frequency band enforcement, frequency point enforcement
- Flight control: flight route drawing, automatic patrol issuance, flight monitoring

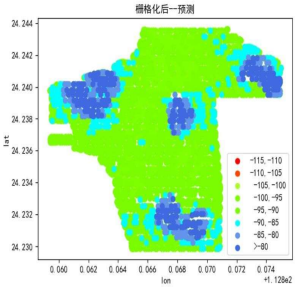
High precision

The accuracy of AI propagation models is high

Our business model is higher than industry standards, and our accuracy is industry-leading



Measured data



Predicted data

Digital twin

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scan

laser radar DT-CoolTest

Network performance

Base station alarm data

Multi dimensional synthesisModeling

Single person efficient testing
Automatic data matching

No longer frustrated by the lack of manpower

CMOS video recording

Upload

simulation +Rendering

FTP SERVER

Cloud Simulation Rendering Center

Reduce client sizeHardware threshold

Upload

presentation

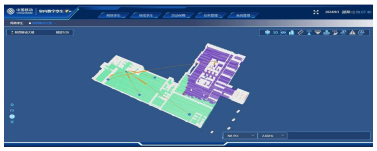
No longer worry about expensive hardware

Convenient to userich contentGenerous and intuitive

No longer troubled by abstract communication

Planing

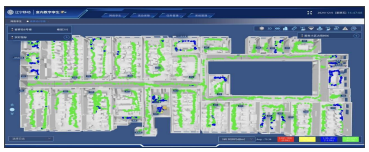
Build a real-life model



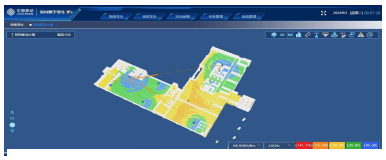
Output simulation presentation

Present performance indicators within the model

Build



Building Twin Models



Output distribution retrieval

Provide convenient retrieval within the model

Maintenance

Indoor antenna digital asset health detection

- Indoor network step measurement collection
- Lidar positioning

+ Estimate indoor antenna location

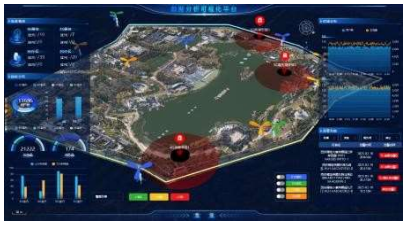
= Check health status

- Missing antenna positioning
- Problem antenna detection

Optimize

Venue assurance

Scenic area monitoring



Real time monitoring, customized presentation

- simulation and prediction
- Output optimal guarantee parameters

+ = High quality assurance

- 15 minute granularity monitoring
- 3D precise positioning, early detection of problems, early adjustment

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Your reliable partner to brighten the future network