

WHO WE ARE



ULAK Haberleşme A.Ş. addresses civilian security, public safety, and military communication demands with national and local products like ULAK MAYA SD-WAN, ULAK SD-DC, and ULAK Base Stations.



ULAK Base Stations are actively used in the commercial fields of major Turkish operators: Türk Telekom, Turkcell, and Vodafone.

Additionally, ULAK Base Stations are used in rural base station installation projects, Universal 1, Universal 2, and Universal 3, initiated by the Ministry of Transport and Infrastructure.

WHAT WE DO

NATIONAL AND GLOBAL SOLUTIONS IN BROADBAND TECHNOLOGIES

- Serving more than 4 million citizens in 81 provinces with 4.5G base stations, we have achieved nationwide reach in Turkey.
- Since 2021, we have also intensified international marketing efforts. Trial projects with three countries and four operators have led to successful exports.
- ULAK has successfully positioned Turkey's highest-tech commercial product in the global market.

4.5G



The 4.5G system provides an end-to-end solution for high-speed data, voice, and streaming multimedia anytime, anywhere.

5G



The 5th generation mobile network, 5G, is defined as a new global wireless standard.

It aims to connect virtually everyone and everything, including machines, objects, and devices.

OAM



The TR-069-based OAM server software manages all configuration data of eNodeB. Configuration data is stored in configuration tables within the system.

CORE NETWORK

- An LTE public safety and emergency communication infrastructure has been developed to provide critical mission services and multicast/broadcast data communication for government agencies.
- A 5G Core Network, IMS, Mission Critical Services, 4G Core Network, and Public Safety Emergency Communication Network (KGADHS) solution has been developed with network slicing capabilities to meet public safety needs.



ULAK SD-DC (Software Defined Data Center)

- The developed software-defined networking and virtualization systems allow centralized management of all physical hardware resources (storage, processor, network, etc.).
- This infrastructure ensures maximum efficiency and performance.
- With the ULAK solution, energy, cabling, cooling, and space savings are achieved, enhancing mobility and efficiency.

uMAYA SD-WAN (Software Defined Wide Area Networking)



- SDN/NFV-based Programmable Network Infrastructure
- Scalable and Flexible Architecture
- High Availability and High-Performance Architecture
- Secure Networks Developed with Local and National Resources
- Elimination of Dependency on External Hardware and Software
- Low Ownership and Operational Costs
- Compatibility with Different Hardware Brands, Eliminating Vendor Lock-In

ULAK SERVICES

Project Management Office

- Turnkey Field Installation
- Wide Subcontractor Network (Installation, Acceptance, SSV, EMR Measurement, etc.)
- Babysitting & Network Operation

Technical Project Management

- Technical Project Management
- RF Optimization & RF Planning and Design
- Field Measurement & Quality & Testing

Network Operations

- 24/7 Alarm & Performance Management & Troubleshooting (LVL1)
- Integration & Configuration & Software Management & Troubleshooting (LVL2)
- 24/7 Help Desk & Emergency Management (LVL2 & LVL3)
- Customized Complementary Software Development

Field Support

- Field Supervision
- Technical Field Support & Alarm and Fault Management
- Installation & Commissioning & Integration

Logistics

- Spare Parts Management
- Material Repair and Maintenance Services

Universal Project Coverage

- RAN Sharing for coverage by three operators using a single set of equipment
- Wide rural area coverage across 72 provinces

Vertical Applications

- Public Safety
- Portable Mobile Base Station
- Smart Cities
- Smart Factories
- LTE Drone Integration
- LTE Integrated WiFi Solution
- LTE Camera Integration
- LTE Robot Integration
- LTE LoRa Integration
- Private LTE Solutions
- Satcom Project
- Border Security Project
- Communication Solutions with Solar System Infrastructure
- ULAK Mobile Communication System
- Secure Communication Solutions

Intelligent Transportation Systems



- Vehicle-to-Everything (V2X)
- On-Board Unit (OBU)
- Smart Roadside Unit (Smart-RSU)
- Edge Computing Systems (MEC)

WHERE WE ARE

Universal Service Project

Universal Service Project-1: Active ULAK Sites: 467

Universal Service Project-2: Active ULAK Sites: 287

Universal Service Project-3: Active ULAK Sites: 920

Commercial Operators

"Vodafone - Active ULAK Sites: 372"

"Türk Telekom - Active ULAK Sites: 539"

"Turkcell - Active ULAK Sites: 416"

TOTAL: 3001

International Projects

Leading mobile communication service providers in Central Asia and African countries continue to work with our latest ULAK 4.5G-LTE technologies.

ANKARA

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