



# Broadcast Services



BROADCAST

From Engineering  
to Live Operation

**KATHREIN**

## Service Portfolio

The spectrum of our services ranges from planning to implementation to operation. This also covers maintenance, troubleshooting and repair. We care for all components of the complete antenna system, i.e. the antenna array, RF-cables, multiplexers and switching panels as well as measuring and monitoring systems.

### Training

#### Delivering knowledge

- Antenna basics and technology training
- Service and measurement training
- Product handling and installation training (optionally on-site)



### Maintenance

#### Preservation of assets

- Technical support
- Hardware maintenance
- On-site support

### Operation

#### High system availability

- Regular checks of RF-components and mechanical structure
- Troubleshooting and fault elimination
- Emergency service
- Regular supervision and maintenance
- Antenna realtime monitoring by **"Kathrein Smart Monitoring"** 
- Repair service
- RF-measurements, data logging, reports
- Highly accurate signal analysis with the **"Kathrein Signal Analyser"** 
- Coverage database



Since numerous broadcast antenna systems are equipped with Kathrein antennas all over the world, we bring in very good technical expertise and knowledge about antenna towers and sites. A large number of our professional staff also have official certifications to work high up on antenna towers.



## Planning

### Optimisation of coverage

- Coverage calculations
- Network planning
- Site survey
- Technical proposals
- Structural calculations (static/dynamic)
- Negotiations with infrastructure companies and authorities
- Site acquisition
- System planning
- Network optimisation

## Material Logistics

### Material and spare part logistics

- Storing of consumable items
- Spare part management
- Accessories

## Implementation

### Complete realisation of projects

- Project management
- System integration
- Turnkey projects
- Installation
- Commissioning
- Infrastructure implementation
- Security management

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