



Consulting for digital mobile networks like 2G-GSM, 3G- UMTS,4G- LTE Tetrapol, Tetra

Analogue mobile networks still dominate the areas of public transport, police and fire brigades and security networks for large enterprises. To organise the work of the mentioned organisations efficiently these networks are urgently needed. Already for a long time these networks do not full fill the necessary functions. The technology is obsolete and does not comply with the demands of the users.

The market for radio network equipment offers different and technical very complex solutions. The choice is very muddling; WLAN, UMTS, DECT, TETRA, TETRAPOL, GSM, GSM-R are there for your free choice. Which technology do you really need and how many network elements do you need to reach a full network coverage ? Which request can you have for a new network ? Which kind of network operation do you need ? How many antennas do you have to set up ? And which coverage is just enough ? Which kind of functionalities does your end user really need ?

If you have to answer these difficult questions we can help you as an independent consulting company. Do not make the mistake to fix yourself already with the choice of a consulting company to a special network technology or form of operation. Kakosch International has in 13 years gained experience in more than 20 countries and over 40 international projects, which were all handed over in time. The size of the project lies between a pilot project and a frame contract of 1,4 billion USD. More than 5 million telephone subscribers were handed over in time to the respective customer.

We offer the following work packages :

- **Feasibility studies**
 - **Network - concept**
 - **System - configuration**
 - **Distance model**
 - **Budget - calculation**
- **Radiofield Calculation**
 - **Transmission quality**
 - **Mute balance**
 - **Decline reserves**
 - **Frequency planning**
- **Field Survey**
- **Approval Procedure**
 - **Performing of complete approval procedure with regulation office**
 - **Support for all aspects of approval**



- **Bidding**
 - **Production of documents for bid**
 - **Examination of offers**