

COMPANY PROFILE

Approaching to our partner we identify his needs, and according to them we design, produce, and supply the innovative products. Continuously improving our products and services, we tend to achieve the highest level in quality and concurrence.

The improvements are making us and both sides of our partners – customers and suppliers – satisfied and safe. Our policy is the full engagement to fulfill and even overcome our customer's expectations.

Intro.

Since its foundation in 1990 KomTeh d.o.o. is involved in design and development, producing and supplying, integrating and maintaining the wireless communication systems and equipment, surveying instruments and electro-acoustic equipment.

- Based on KomTeh design, numerous radio communication systems, FM and TV broadcasting stations, paging, telemetric, navigational, DGPS and other systems were established.
- You can find KomTeh radio equipment almost everywhere: on a mountain top, sea and river ship, in an aircraft, car, hand-held...
- The numbers of surveyors are our users, GPS equipment being the latest application.
- Sailors and fishermen are using KomTeh GPS receivers, sonars and of course, radio-stations.
- KomTeh has furnished Zagreb trams and buses with audio equipment and of course, mobile radios.
- KomTeh has supplied the high quality HiFi, particularly speakers, being a good source of sound at home, in public places, cars, and even in FM and TV studios.

There are three basic units in KomTeh structure: KomTeh RADIO for wireless communications, KomTeh GEO for surveying equipment, and KomTeh AUDIO representing well-known HiFi suppliers.

Naturally, the main KomTeh activities revolve around wireless communication:

The Design.

The design is an initial phase for any wireless communication system. Using the precise digital terrain model and computerized propagation models, KomTeh designers are determining the optimal transmitter sites and radio-coverage regions. The antennas and antenna systems are designed through the computer simulations. All the phases are compiled to fulfill the legal form for technical documentation. According to the user specific requirements, the optimal system functioning is devised and appropriate equipment specified. Based on KomTeh design, more than 50 radio communication systems, ranging from the simple FM or TV broadcasting stations to the national wide paging and mobile radio networks are realized.

Engineering and Development.

Technically and economically justified optimal solution for radio communication system is only achievable through an appropriate choice of equipment. This, as a rule, involves various producers. KomTeh is specifying the devices, components, antennas and other equipment through a careful analysis of user requirements and the operational environment. If a standard

solution is not available, KomTeh develops and produces the specific components, interfaces, complex wireless devices or systems. In addition, KomTeh experts exert the radio measurements, determine the interference sources and suggest to our users the steps to avoid them. Usually, this goes for specifying some filters, antenna system redesign, etc.

The System Integration and Production.

Within KomTeh RADIO, the prototype and short-series production of devices is performed if some requirement is not possible to accomplish using the standard products offered by our suppliers. The rule to integrate standard elements only is obeyed, anyway. Very often, a system is comprised of differently oriented subsystems, and naturally, belonging to the different producers. What are KomTeh experts mostly proud of? The Croatian Electricity Board's remote control and management system, paging system for The Ministry of Interior, piloteless vanguard aircraft remote flight control and data transfer, DGPS artillery system, a number of DGPS applications for the Navy, interior waterway navigation, telemetry, etc. All those systems are realized by KomTeh compiling the knowledge and experience in various disciplines, particularly radio communications, propagation, data transfer and processing, surveying, electronic technology, etc.

Equipment Supplying.

Along with its own products, KomTeh RADIO is furnishing the customers with radio stations, antennas, cables, connectors and all the other accessories made by top producers. Of course, KomTeh is taking care to obtain all the necessary certificates, offers the complete program and maintenance support, including the spare parts stock.

Assemblage and Maintenance.

High quality assemblage at the beginning, and reliable maintenance later, ensures an undisturbed and correct function to any system, particularly to radio communication one. KomTeh has an extensive experience in installing the radio and telecommunication equipment, from the simple building mobile radios or GSMs in vehicles, assembling fixed radio stations and antenna systems, remote control systems, till the tuning up a complex system, like radar and digital microwave link. After a system is built up, KomTeh submits the maintenance, weather on continuous bases or on call, as some malfunction or disturbance occurs.

Future.

KomTeh continuously invest in education and training of its staff. Almost each year KomTeh engineers participate in new technologies' seminars and conferences. Therefore KomTeh can and will fulfill its customers expectations, particularly regarding future switching to a digital wireless technology –TETRA trunking and packed radio systems, for example.