

Services and solutions



MOBILCOM
SAFETY RADIO NETWORKS





ENGINEERING AND WORK MANAGEMENT

By virtue of decades of experience in many sectors and in different technologies for voice and data transport Mobilcom offers support for the customer in the design of the most suitable solution and in the supervision of construction work up to testing on field.



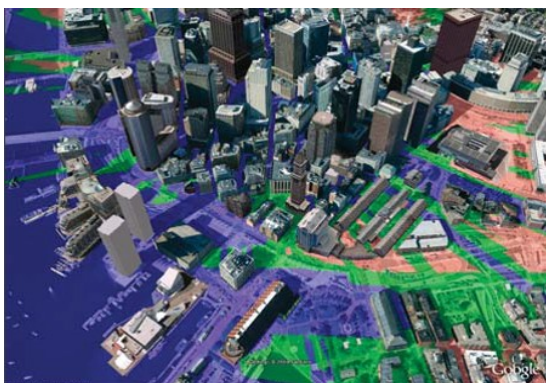
COMPONENTS DIMENSIONING

The highly qualified staff is able to dimension and design components for the radio sector, such as units for particular customizations of branching or integration into complex systems.



RADIO COVERAGE SIMULATIONS

Our laboratories are able to carry out radio coverage simulations with certified application in outdoor environments. The service also applies to the sizing of point-to-point microwave connections.



MEASURES AND CERTIFICATION

Verification of telecommunications systems, including mobile radio coverage in the field. The measures can relate to any component and aspect of the systems, from coaxial lines to radiant systems, filters, and branching. It is possible to carry out "drive test" georeferenced measurements in the street, with presentation on graph or interactive map.



ELECTROMAGNETIC RISK ASSESSMENT

Mobilcom offers a calculation and certification service for the compliance with the rules on electromagnetic exposure, also integrated by field measurement for the Electromagnetic Risk Assessment (EMC) for any expert report on environmental pollution.



MINISTERIAL PAPERWORK MANAGEMENT

As a daily activity carried out on its own behalf, Mobilcom is able to assist the customer in defining and finalizing the practices for the granting of radio frequencies for both private and public use.

SERVICES



Mobilcom is the ideal partner when reliability and technical competence are required. Recognition on the market is the result of the high professionalism and habit of operating with dedication and confidentiality with all its customers.



RADIO TELECOMMUNICATION NETWORKS

Engineering, construction and maintenance of conventional and multi-access analogue and digital radio networks (MPT1327, TETRA, DMR, ASTRO). As a system integrator we integrate advanced customized functions in the industrial, energy, pharmaceutical, and tertiary sectors. Among these, of great impact on operations and safety, there are: telephone interface; mass alert; man-down and lone worker solutions; interconnection to fire systems; satellite tracking and indoor tracking; ATEX solutions.



WIRED AND WIRELESS PUBLIC ADDRESS SOLUTIONS

Industrial public announcement solutions wired, also EN54 certified, and wireless based on DMR or TETRA technology, integrated with the communication and evacuation systems of the plant. Different products are offered: RADIOBOX®, RADIOBOX® ATEX, MINIBOX® and AUDIOGATEWAY.



IOT DATA TRANSMISSION, TELEPHONY, AND PAGER ON NARROWBAND

Warning, remote control, or personnel protection systems based on POCSAG narrowband technologies or LORAWAN freeband technologies. IOT and radiomodem solutions for narrowband data transmission. Industrial interface for analogue telephone line extension on long distance radio connection, which also allows the transmission of FAX.



COVERAGE EXTENSORS AND TRANSPONDERS

Realization of systems for extension of indoor radio coverage and in tunnels, with IDAS systems and on radiant cable in VHF, UHF, GSM band; radio transponder with marine certification.



ADVANCED VIDEO SURVEILLANCE AND VIDEO ANALYSIS SYSTEMS

High resolution video surveillance and video analysis solutions, thermal cameras, ATEX cameras, wearable cameras (body worn cameras), cutting-edge solutions for access control, thermo scanner and people counters.



MISSION CRITICAL TACTICAL RADIO SOLUTIONS

Customized solutions for mission critical military needs, such as: portable backpack repeater in VHF and UHF band; HF radio systems and NVIS technologies; equipment P25; multiband radio terminals.



POINT-TO-POINT CONNECTIONS IN LICENCED BAND

Turnkey implementation of connections for bandwidth data transport subject to ministerial concession, from simple tracts to geographical backbones with redundancy.



FREE WIFI NETWORKS AND HIPERLAN CONNECTIONS

Realization of centralized WiFi coverage to offer mobility and functions such as locationing, target marketing, attacks detection. Solutions for point-to-point and point-to-multipoint connections with reliability guarantees, even in conditions of non-optical visibility (NloS).



PTT OVER CELLULAR

Instant group communication solutions based on cellular network, with manual and man down emergency alert functions, photo transmission or interface to mobile radio networks.

MOBILCOM SOLUTIONS

Mobilcom is a leading system integrator, capable of both designing and manufacturing the PCB board and the ATEX enclosure, and of dimensioning and creating complex mobile solutions. The consolidated relationship with the most important world manufacturers allows us to be always up to date and to offer innovative robust solutions and guarantee their reliability over time.

ENGINEERING AND LONG LASTING TELECOMMUNICATION SOLUTIONS

Since 1988 Mobilcom designs, manufactures and maintains systems and solutions for radio communication, telemetry, data transmission, and remote control.

Competence, flexibility, attention to detail, innovation, and quality allow us to offer customized and integrated solutions with the context, aimed at guaranteeing reliable and safe communications especially in emergency situations and in risky environments, becoming a reference for the Oil & Gas, industrial, automotive, and military sectors.

Organized in 4 national offices, Mobilcom includes a high-level engineering team, an internal research and development laboratory, and a staff of technicians dedicated to the construction and maintenance of technological systems.

Mobilcom operates internationally with several EPCs, providing the major players in the industrial and energy sectors with telecommunication projects and systems in Milan, Italy and abroad.



 Via Fortunato, 15
20037 Paderno Dugnano (MI)
Tel. +39 02 99046140
Fax. +39 02 99046141



info@mobilcom.it



www.mobilcom.it

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