



CEO's Message

KENTA, an innovative company always ready to accept new challenges!

KENTA is one of the world leader in the maritime security and safety industry and continues to invest heavily in R&D, particularly in the field of Software Defined Radio (SDR). This year KENTA and sister company DIGIDIA won a contract with the Direction Générale de l'Armement (DGA) to supply an SDR test bench.

This will be part of the CONTACT strategic programme to equip the French Army with a new generation of tactical radios. The DGA is the French military procurement agency.

We are very proud to win this contract with the DGA. This is a real recognition of our SDR expertise, which is already used in our products developed for broadcast and emergency applications for air, sea and highways. These new markets continue to strengthen our financial and strategic position, and make sure we are always able to deliver innovative products and services to our customers.

Pascal Olivier, CEO

FRANCE / KENTA supplies 1KW MF/HF Coastal Station to the French Directorate for Maritime Affairs

Following on from the successful delivery of a complete and unified system for the Korean Coast Guards (KCG) for the A1, A2 and NAVTEX coverage of the republic of South Korea, KENTA continues to deliver GMDSS (Global Maritime Distress and Safety System) solutions worldwide including coastal radio stations and software for MRCC. A new generation of equipment has been installed on the island of Porquerolles for the Department of Maritime affairs, providing French A2 coverage for the Mediterranean area.

IRAQ / KENTA and Kheberat Telecom deliver a 2,5kW NAVTEX station to the General Company for Ports of Iraq

Building on the success of supplying NAVTEX systems to OTE in Greece, KENTA and Iraqi partner Kheberat Telecommunication have supplied a NAVTEX system to the General Company for Ports of Iraq. The Greek system, provided with local partner Telcoserv consisted of 4x2.5KW NAVTEX stations, a NAVTEX server and several operator consoles. The Iraqi system, currently operational in the port of Basra, consists of one 2.5 KW NAVTEX station, "T" antenna, antenna matching box and operator consoles.

SPAIN / MF/HF receivers supply for SASEMAR

KENTA has delivered 80 x KRX-2072 MF/HF receivers to Cellnex, to be deployed along the Spanish coast. These receivers are part of the renewal plan of GMDSS in Spain and will be used and operated by SASEMAR. The KRX-2072 MF/HF receiver is a new product from KENTA. This new generation of MF/HF receiver uses the latest IP technologies currently available on the market for voice (EUROCAE ED137), DSC (Built-in DSC decoder), remote control (embedded WEB server) and monitoring (embedded SNMP agent). It is also designed using Software Defined Radio (SDR) technologies.

INDONESIA / KENTA delivers complete GMDSS systems

KENTA and local partner PT Warga have delivered complete GMDSS systems to 7 ports in Indonesia. Coastal sites will be equipped with new versions of VHF transceivers, MF/HF transmitters and MF/HF receivers. Maritime Rescue Co-ordination Centres will be supplied with new versions of GMDSS servers and consoles for voice and DSC operators. This major project confirms that the new generation of KENTA GMDSS products are perfectly in line with the latest trends and growing needs of the market.



PRODUCT FOCUS

KVHF-4010-50



The KVHF-4010-50 is the latest version of the VHF transceiver for the maritime market designed by KENTA.

The KVHF-4010-50 transceiver works in the maritime VHF frequency range from 156MHz to 162MHz and can deliver up to 50W of RF signal into a 50Ω load in transmission mode.

The KVHF-4010-50 transceiver uses up-to-date technologies and has native IP capabilities. It fulfills the requirements of EN 301 929-1 ETSI Standard for stationary sea radio units and guarantees reliable operation, even after many years of heavy utilisation.

The KVHF-4010-50 transceiver is fully integrated inside a 19" - 2U rack with single phase 100/240VAC – 50/60Hz for easy installation on site. In addition an isolated DC input for 12VDC/24VDC/48VDC is possible as an option.

The KVHF-4010-50 transceiver can be used both for voice and DSC applications (built-in VoIP encoders / decoders following the EUROCAE ED137 standard, built-in DSC encoder / decoders as an option) and is semi and full-duplex capable.

ITS KEY POINTS

- **VoIP / SIP for voice following the EUROCAE ED137B standard**
- **Built-in DSC encoder/decoder (Software option)**
- **Remote control through a friendly Web interface (http/https)**
- **Remote monitoring through SNMP**

FRANCE / KENTA wins contract for the supply of MF/HF receivers for the French overseas territories

Continuing with its success in delivering MF/HF receivers for the GMDSS market worldwide, KENTA won a tender launched by the French Directorate for Air Traffic Monitoring (DSNA:

Direction des Services de la Navigation Aérienne). This was for the development and the supply of 64 x MF/HF receivers. This is a 4 years frame contract of products to be delivered and installed in the French overseas territories. This is a real recognition of the expertise in MF/HF and in Software Defined Radio that KENTA constantly highlights through its products and services.



PRODUCT FOCUS

KRX-2072 MF/HF RECEIVER



The KRX-2072 is the brand new MF/HF receiver designed by KENTA. This receiver can be used for the maritime GMDSS, air traffic monitoring or for the defense market.

The KRX-2072 receiver uses up-to-date technologies and has native IP capabilities. It is fully integrated inside a 19" - 1U rack for easy installation on site. It guarantees reliable operation, even after many years of heavy utilisation.

The KRX-2072 receiver can be used both for voice and data applications (built-in VoIP decoders following the EUROCAE ED137 standard, built-in DSC decoders as an option for the maritime applications etc.).

ITS KEY POINTS

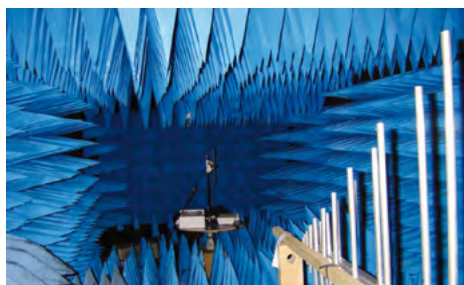
- VoIP / SIP for voice following the EUROCAE ED137B standard
- Built-in DSC decoder (Software option) for maritime applications
- Remote control through a friendly Web interface (http/https)
- Remote monitoring through SNMP

TEST LABORATORIES

Thanks to its internal laboratory recognized by Bureau Veritas, KENTA is a test service provider for the electronic industry and has test solutions for radio electric, electromagnetic and environmental tests (vibration, heating etc.). Tests can be performed during product qualification and pre-qualification as well as during the industrialisation process.

More than 50 customers have trusted KENTA for their EMC and environmental test capabilities for many years now.

Thanks to its test laboratory, KENTA can also develop specific products to meet very demanding customer specifications.



Anechoide Chamber

This year for instance, KENTA developed for the Joint Direction of Infrastructure Networks and Information Systems (DIRIS): communications and information systems organisation of the French Armed Forces) a new frequency driver for their message injection stations (encryptors).



R&D PROJECT

PRACTI-SEAS: Software Defined Radio for maritime IoT



KENTA is the leader of the PRACTI-SEAS collaborative project.

The project aims to digitize communications in the maritime domain and is particularly concerned with safety and surveillance, at-sea measurements and navigation aids requiring significant data transfer capabilities.

The PRACTI-SEAS project will develop a software defined radio platform dedicated to digital communications in the maritime domain. Two prototypes, one dedicated to maritime safety and navigation aids, the other to the transfer of data from instrumented buoys to the coast, will be implemented and deployed for experimentation and validation purposes.

Partners: nke Instrumentation, ECAM Rennes
Total budget: 860k€
Funds source: QBO, Région Bretagne, FEDER
Duration: 2 years

About KENTA

KENTA is a specialist of analog and digital radio-communication systems both for transmission and reception and in the MF/HF/VHF/UHF frequency bands. KENTA has gained a recognized experience worldwide in the development of Radio Frequency Communication Systems mainly in the GMDSS field for Phony or Voice, DSC, AIS, NAVTEX etc. applications. KENTA has the complete solution for MF, HF and VHF systems (transmitters and receivers) and can provide both coastal stations and MRCC software (Server, VoIP and DSC operator console, NAVTEX operator console etc.). Thanks to its unique expertise and knowledge, KENTA is able to manage a complete project from the coverage study to the supply and the installation of Turn Key Radio Communication Projects. KENTA has its own test laboratories for radio, EMC and environmental tests (vibration, temperature etc.). KENTA is also a key provider of Software Defined Radio (SDR) technologies for all industries.