WORLDCAST SYSTEMS

POWERFUL **PERFORMANCE**
CONTROL
SAVINGS
SERVICES

Your
Broadcast
& Media
Solution
Provider

APT | Ecreso | Audemat | Kybio

www.worldcastsystems.com

Synchronized & Secured
Audio/MPX over IP Transport

SURESTREAM

APT SureStream is the best, most widely used and established technology for robust, low cost, and low latency audio / video transport over IP. SureStream offers the added benefit of «Always-On Redundancy». You can save thousands on your audio transport bills and still offer your listeners the highest quality sound.

APT*mpX*

APTmpX is the industry's best MPX/composite compression algorithm, delivering the highest sound transparency over low-bitrate IP transmission. With APTmpX's 300/400/600 and 900kbps bandwidth requirement, broadcasters in any network infrastructure can benefit from cost-saving FM multiplex transmission without compromising on audio quality.
APTmpX is compatible with digital and analog MPX signals.

SYNCHROSTREAM

SynchroStream is APT's new technology for time synchronous IP transmission and playout of audio content which must be synchronized with high precision: synchronized transmitters (SFN), be it analog FM or DAB+, multiple audio channels building a surround sound image…

PROFESSIONAL BROADCASTING WITH APT SOLUTIONS

APT codecs offer the reliability, quality, and redundancy required by broadcasters for applications such as Studio-Transmitter Links (STL), studio networking, and remote broadcasting/OBs. APT units can be deployed as a simple STL, in synchronized transmitter arrangements (SFN), and as large-scale broadcast audio and MPX/Composite networks.

VIRTUAL APT IP CODEC

As its hardware sibling, deployed on thousands of sites worldwide, the Virtual APT IP Codec is a cutting-edge, professional transport solution geared up with unique, market-leading technologies. It supports APTmpX, the highest quality MPX compression algorithm, and SureStream, for robust, low cost, and low latency transport over IP.

The Virtual APT IP Codec is also enhanced by Virtual SureStreamer for advanced automation, and Kybio, for end-to-end monitoring and control of the codec fleet. Server-based, and fed by AES67, the Virtual APT IP Codec solution offers high availability and high-density encoding/decoding for next generation broadcast performances. Broadcasters can easily centralize and transport a large volume of program signals and scale the solution as they grow.

FM Broadcasting
Transmitters, 1+1 and N+1 Redundancy, Peripherals

LOWEST OPERATING COSTS, HIGHEST QUALITY

With over six decades of RF experience, WorldCast Systems delivers the best solutions in terms of Total Cost of Ownership, reliability, and audio quality.

-Fully digital FM transmitters in a compact yet modular design, from 100W to 10kW.

-Redundancy solutions (up to 8+1 systems), to help ensure that broadcasters stay on-air.

-Turnkey solutions, including rack integrations, electric distribution and cablings.

With up to 76% efficiency and with SmartFM, Ecreso transmitters are the most efficient and environmentally-friendly transmitters on the market.

up to 10 YEARS WARRANTY

We confidently warranty our transmitters for 10-years thanks to their exceptional design quality, outstanding efficiency, and advanced diagnostics capabilities.

AS SOLID AS A 1+1

By adding this intrinsic redundancy in the Ecreso FM 5/10kW, you benefit from the same level of redundancy than a 1+1 while significantly reducing costs.

DIRECT-TO-CHANNEL DIGITAL MODULATOR

Our Direct-to-Channel Digital Modulator provides the highest audio quality and fidelity and embeds several tools to measure and control your broadcast signal.

SMARTFM©

A NEW PARADIGM IN ENERGY SAVINGS!

SmartFM is a sophisticated, worldwide patented algorithm, or AI, which brings massive benefits to broadcasters and radios.

$ Lowers energy costs by up to 40% thanks to electricity savings and reduced cooling

Reduces CO_2 emissions For a cleaner, more sustainable environment

Ecreso FM transmitters feature an integrated, fully digital sound processor for the highest signal quality and outstanding reliability. Users benefit from presets and adjustments to craft their own unique sonic signature chain!

5 band SOUND processor

APT Inside

The new Ecreso AiO Series includes an embedded APT IP Decoder which ingests audio over IP to the Direct-to-Channel Digital Modulator. Compatible with SureStream and APTmpX, this software feature helps broadcasters modernize their network with a transition to an all-IP broadcast chain!

Full RDS

After the worldwide success of Audemat RDS Encoders, WorldCast Systems integrates this expertise into the AiO series, resulting in two software options, a dynamic RDS encoder or a full RDS encoder from Audemat.

Signal Monitoring, RDS Solutions, Test & Measurement

AUDEMAT MC6

The Audemat MC6 is the most comprehensive and versatile measurement platform available for DAB and/or FM in the world today. Its main function is to help broadcasters, operators, and regulation authorities ensure the best radio service is being offered to listeners while respecting all DAB and FM regulations. This all-in-one system offers both mobile RF coverage measurement and extensive modulation analysis in a single comprehensive system. Based on a fully digital technology, the Audemat MC6 offers exceptional test and measurement accuracy, as well as multiple receivers for DAB and/or FM.

Quality Reception Analysis

GoldenEAR

GoldenEar is an algorithm providing a mathematical & objective quality rating of the DAB and FM signals received during a drive test. Used by major broadcasters and regulators for decades, this technology complements the drive test feature, simplifying the analysis and reporting.

AUDEMAT RDS SOLUTION

This complete, state-of-the-art solution to broadcast RDS data is composed of two powerful products, the Audemat RDS Encoder and the Audemat RDS Server. The Audemat RDS Encoder delivers the highest signal purity and quality on the market and is the only RDS encoder to include a built-in FM tuner, and MPX/Composite over AES. The Audemat RDS Server is the ultimate tool to send your Now Playing data to your RDS encoders' network - working as a gateway between the automation software and the RDS encoder. Used together, broadcasters have the perfect combination to setup a RDS network with the full potential of RDS technology.
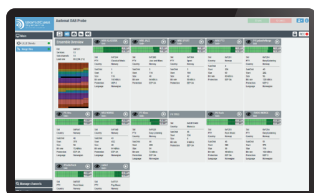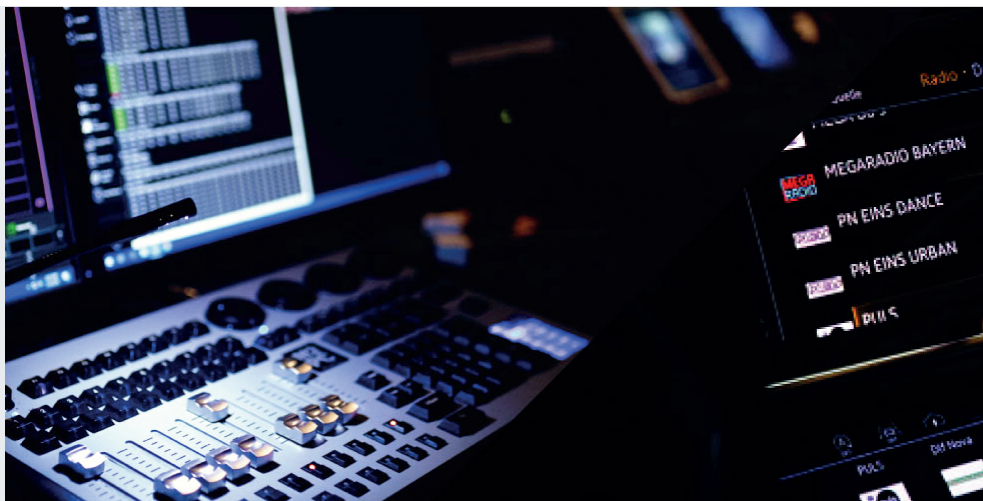
AUDEMAT DAB PROBE

A highly complete and cost-competitive DAB radio monitoring solution designed to perform advanced QoS signal analysis, on-site and of a broadcast coverage area. It provides a deep signal and content analysis with impulse response representation, TII, audio streaming, ETI recording, and more.

AUDEMAT FM PROBE

For FM monitoring at the transmitter site or in the coverage area. The unit sequentially monitors a list of stations, or up to 8 stations simultaneously, to ensure that your FM network complies with both legislation and your expectations. Includes a complete set of tools: alarms, real-time analysis including audio and RDS streaming.

VIRTUAL SCRIPTEASY

ScriptEasy is the revolutionary facility control software to create "Smart" sites and automatically correct any critical errors that affect operations. Featuring an intuitive graphic scripting interface, ScriptEasy allows you to create your own autonomous sites and build customized dashboards. The technology is available as a virtualized solution as well as inside Audemat and APT equipment.

Get 1 year of free cloud monitoring
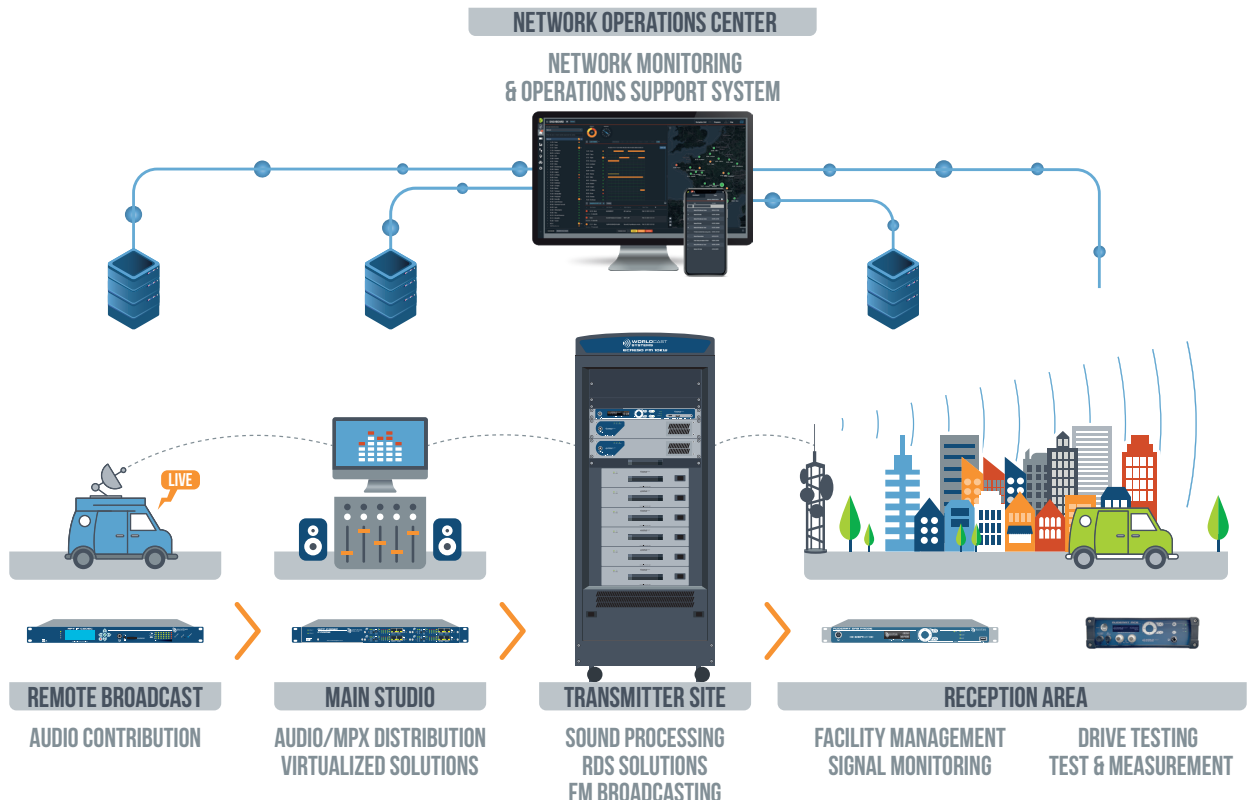
*included with WorldCast Systems products

FREE

Monitoring & Control

KYBIO is a centralized, vendor-agnostic network management system (NMS) for media and broadcast, serving markets such as IPTV, radio, TV, cable, and satellite. KYBIO simplifies the monitoring of even the most complex IP infrastructures and helps you ensure operational continuity across your end-to-end value chain from media acquisition, production, and distribution.

Thanks to its unique combination of monitoring, OSS, and control modules you benefit from improved uptime and performance of your equipment, efficient workflows, and powerful analytics. With its advanced auto-pilot configuration engine, KYBIO is fast and simple to deploy and can be run on-premises, in the cloud or in a hybrid environment.
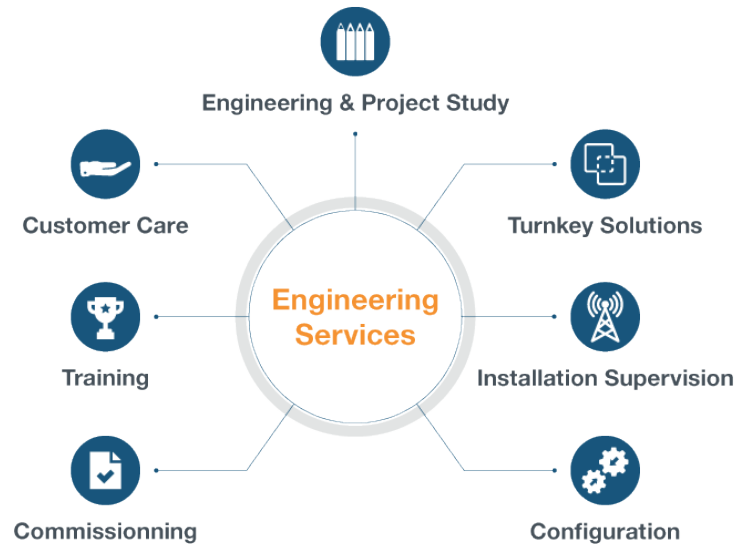
- **Unified web interface & mobile-ready**
- **Vendor-agnostic monitoring**
- **Auto-discovery & network scanning**
- **Dynamic maps & displays**
- **Automation & combined alarming**
- **Real-time monitoring & history tracking**
- **Alarm & notification management**
- **Ticket management for incident & tracking**
- **Analytics & reporting engine**

NETWORK OPERATIONS CENTER

NETWORK MONITORING & OPERATIONS SUPPORT SYSTEM

REMOTE BROADCAST	MAIN STUDIO	TRANSMITTER SITE	RECEPTION AREA	
AUDIO CONTRIBUTION	AUDIO/MPX DISTRIBUTION VIRTUALIZED SOLUTIONS	SOUND PROCESSING RDS SOLUTIONS FM BROADCASTING	FACILITY MANAGEMENT SIGNAL MONITORING	DRIVE TESTING TEST & MEASUREMENT

WorldCast Systems offers a wide range of innovative devices to ensure that your broadcast chain operates efficiently and reliably in the studio, at the transmitter site and right through to the reception area.

Turnkey Solutions & Services

Our team of experts partner with you throughout all phases of your project with our large scope of services. From engineering studies to installation and technical support, you can on count us, every step of the way.

Engineering & Project Study

Customer Care

Turnkey Solutions

Engineering Services

Training

Installation Supervision

Commissionning

Configuration

Support Agreement

We strive to provide you with best-in-class support and maintenance services. With the range of services available and with the support of our team of experts, you will benefit from maximum uptime, better performance, and lower Total Cost of Ownership.

Support Plan

Every Support Agreement includes an annual technical support plan that covers support incidents, diagnosis, troubleshooting, and that provides high priority response time.

Software Updates

As part of the Support Agreement, you benefit from the latest software updates wich include bug fixes, minor improvements, but also significant new features.

Your success package

Warranty Coverage

Every WorldCast Systems' product comes with a 3-year warranty. The Support Agreement extends the coverage for up to 10 years from the date of purchase.

Spare & Loans Unit

When a part is defective, you benefit from a free, immediate & fast delivery of critical spares to minimize downtime. Your spare is not available? Ask for a FREE unit during the repair of your equipment.

afaq
ISO 9001
ISO 14001
Qualité
Environnement
AFNOR CERTIFICATION