



**IF YOU ARE THINKING IN  
MHP INTERACTIVE  
APPLICATIONS ...**


**... INTEGRASYS PROVIDES  
THE BEST SOLUTION.**


## Technologies

 *Integrasys S.A. is a privately owned SME software development, engineering and integration company specialized in the telecommunication and broadcasting market. Integrasys has and accumulated experience of more than 15 years developing software for critical environments execution. That is the reason why reliability is our great ally.*

## Your better option


 *Integrasys S.A. has been devising, for last four years, projects around Satellite and Terrestrial DVB field. Besides is a main supplier of the Ministry of Industry, Tourism and Commerce, such as*


 *Automatized Test System, for testing and measurements of Digital Television equipments in compliance with ETR 101 290 V1.2.1: transmitters, gap fillers, MPEG codecs and decoders, multiplexers, transmodulators, amplifiers and receivers.*


 *Automatized Test System for Measurements of Interactive DTT receivers based on MHP.*

## Who do we approach to

### To broadcasters:

 *We let them know the correct execution of their applications, minimizing the costly testing time and avoiding the problem of the verification of the interoperability among different digital terrestrial television receivers based on MHP middleware.*

 *Implementing specific applications and turn-key solutions.*

 *Analyzing their broadcasted contents, corroborating the correct signaling SI/PSI included in their programmes.*

### To applications developers:

*We offer them technical assistance and a solidly made platform arranged to verify and proving their applications through a well built Test Suite System.*

### To companies :

*which want to rest their advertising campaign on interactive DTT:*

*We develop all kind of technical solutions, turn-key projects and applications.*



## DTT Infrastructure

### Equipment

- Integrasys counts on an advanced infrastructure so that your projects could be verified in real environments of execution. Integrasys puts at your service all possible means in order your projects be a success.
- Equipment for the generation and Terrestrial Digital Television signs analysis.
- Characterization and simulation of settings, by means of a complete radio frequency parameters control in receivers according to the ETSI ETR 290.
- Integrity and analysis of the sign of video, audio and applications MHP. Measures of analog and digital parameters.
- Service Signaling (SI and PSI).
- Simulation of firmware Downloading via radio. (SSU).



## DTT Projects

### Our added value

- Development of turn-key interactive applications based on the Multimedia Home Platform middleware for Digital Terrestrial Television receivers, tested in a real broadcasting environment and debugged in a wide range of receivers present in the market.
- Simulation, transmission tests and MHP application interoperability in conformance with the European ETSI Test Suite.
- Development of applications for hand held terminals DVB-H.
- Transmission and Broadcasting Simulation, debugging and tests including return channel.
- Tools and Measurement Systems to characterize MHP receivers and MHP stacks implementations.
- IP contents insertion in conformance with the MHP Internet Access Profile through the Multiprotocol Encapsulation (MPE).



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