Projects funded by the Ministry of Industry, Tourism and Commerce, inside the National Scientific Research, Development and Technological Innovation Plan 2008-2011.

2009

SERMEDIA

Sermedia is the project for the definition and development of a System for the integration and personalization of Multiplatform Audiovisual Services. Through this project, entirely developed inside the company, we have the objective to provide a solution to cover the needs detected in tripe and quadruple play operators to offer transversal digital television services, which means independent services of the access media o digital window used by the clients.

Within the scope of the project, the company has defined functionally and graphically a new product with an advanced interface that offers a user experience unmatched by previous approaches, and it has been implemented on different devices (digital tv receivers, PC and mobile) offering a multiplatform solution. In the case of digital tv receivers a native development has been done, usually known as "over the metal" development on STLinux environment that provides everything needed to build applications on RTOS based on Linux or other Unix derivatives for STMicroelectronics chips using the device drivers.
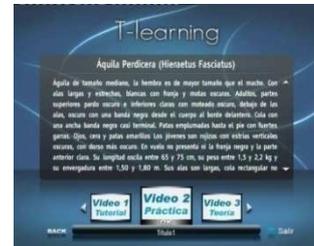
AULA-TDT

In this Project done in a partnership with CIMNE and Structuralia we have extended the e-learning application functionalities for digital television. We have included functionalities as the audiovisual contents reproduction via a progressive download solution and the on-line registration to courses for the students.

2008

Iberoeka DESI

In collaboration with INDRA, SIDSA, LambdaStream and the Polytechnic University of Madrid, the objective is to develop and deploy services for DTT and IPTV in Uruguay because of the recent adoption of the DVB standard in 2007. These services have a dual purpose, first to serve as a base for the subsequent boost of Uruguayan companies in developing the information Society and also make technology knowledge transfer between Spanish and Uruguayan companies. During the project development, it has been analyzed the set of services that best suit the Uruguayan needs and the result found are those closer to the TV viewer with entertainment and educational purposes. As a result of the project, we did a trial using MHP 1.2, with 2 games and one t-learning application with video streaming through the return channel.
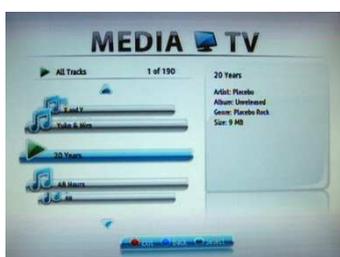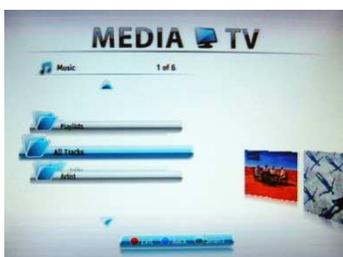

Iberoeka DESELE

In collaboration with Indra and Sidsa, we have worked in the definition, development and deployment of services for Digital terrestrial television thought specially for the Chile's emergent zones with the aim of reducing the digital gap, bringing closer the Information of the society to these rural zones. The applications developed offer the advantages of the interactive digital television and they will be used like a pilot to promote the adoption of the DVB standard in Chile. They are the core of the a digital television platform like **the launcher** with functions of **miniguide** and the electronic program guide (**EPG**), and by other hand they provide a specialized information environment, **Information portal**, where users can find information about seismic activity taking into account that the country belongs to the "Fire Ring".

SIAM

In collaboration with the University of Oviedo, we have done a report and study on the field of home networking and digital home. In order to get the knowledge and analyze the technology we have had the support of two Spanish companies, Gigle and DS2, which are providers of technology for home networking. The study has focused on services and applications connected to the home network, devices and interfaces to access these services and technologies for interconnection of these devices among themselves and with the broadband network, through which we can create the home network on which deploy the services of the digital home. We have developed an interactive television application, where the devices are interconnected, communicate and exchange contents with the multimedia server of a home automation system (domotics), using the UPnP protocol and PLC networks. These networks use the electric power network from home and make a high speed data transmission line. This application contains 3D interfaces to improve the user experience. Also, we have developed prototypes of natural interaction services and augmented reality.

SERMEDIA

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