Press Release / Nota de Prensa

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Televes investigates new solutions for head-end TV distribution on Fed4FIRE platform

Santiago de Compostela, 27 April 2015. Televes has paticipated in the Fed4FIRE program, which has given the opportunity to use one of the biggest platforms in Europe for experimentation and research for the Internet of the future. Televes has seeked to optimize the remote control management software of the renowned T.0X head-ends for content distribution in buildings and homes.

The Fed4Fire (http://www.fed4fire.eu/) project is funded by the **European Union's Seventh Framework Programme (FP7)** and aims to create a software platform that provides simple tools and easy access to different types of heterogeneous infrastructures (cloud, wifi networks, radio networks, smart cities, etc) for research and testing systems or products based on the Internet of the future in a simple way. All with the aim of obtaining products in the shortest possible time, with better quality and lower technical and economic effort.

Televes participation in the project has allowed research and test the new management system and remote control of the **T.0X** TV head-ends. For the user, this new system will allow to remotely control any TV head-end from anywhere in the world using a mobile device (tablet, smart-phone, etc.).

One part of Televes' core business is to offer equipment for the distribution of television through groups of buildings or homes. A TV head-end primary purpose is to adapt the signal received via DTT, satellite, cable, etc., and inject that transformed signal within a building or a group of buildings for service consumption by the end users.

Today, the European and American markets demand increasingly innovative services and easy remote maintenance using mobile devices because of the overhead costs involved in travel and idle times. Televes has taken the challenge of the creation of a new version of a TV head-end management system in the shortest time possible. In that new version, all services are available using a central server, which all head-ends are connected to. This server acts as security, communications and interfaces manager. When user needs to control a head-end, he has to establish a connection to the server, which makes the link between the TV head-end and the user.

The objective of the tests that the company has carried out were to simulate a real scenario and perform stress testing to the system with the highest possible number of users and head-ends, with

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the aim of optimizing existing services and research system capacity to create new value-added services that will be demanded in the future.