

## France Télévisions | Case Study

### CATCH-UP TV



### HbbTV



### TIME SHIFTING



### THE CUSTOMER

With 5 national TV channels, 24 regional and 9 overseas channels, and a complete digital service offering (francetv pluzz, francetv info, francetv sport, francetv zoom, Culturebox, Ludo, Zouzous, etc.), **France Télévisions** is the largest public broadcasting group in France.



### THE CHALLENGES

**France Télévisions** first called on OpenHeadend's expertise in 2011 to carry out cutting edge experiments on HbbTV. Well before the launch of HbbTV on DTT, **France Télévisions** wanted to demonstrate the benefits of interactive services.

*More recently, France Télévisions selected OpenHeadend for 2 key projects:*

- Compensate contribution network latency for comfortable TV viewing
- Feed its new catch-up TV service to enrich viewers experience.



## THE OPENHEADEND SOLUTION

OpenHeadend designed an innovative and complete solution including a prototype TV, a small-embedded server and a DVB-T modulator that allowed the broadcaster to demonstrate the full potential of HbbTV internally and externally during major trade shows such as IBC.

In order for France Télévisions to broadcast at the exact same time local news programmes coming from 24 regions, OpenHeadend developed a time shifting solution, which seamlessly records the 24 incoming Transport Streams and replays them after a configurable delay.

This process compensates the contribution network latency, which varies depending on the distance between the region and the broadcast center.

To operate France Télévisions Catch-up TV service, OpenHeadend delivered a complete and end-to-end solution, which records 24/7 the full programs of 14 live channels, on 3 standard IT servers, in MPEG-TS format.

Using MPEG-TS allows the broadcaster to preserve the original video quality, while providing increased flexibility in languages and subtitles management. Each specific programme is then automatically extracted for publishing. The system also creates thumbnail previews, bundles them in a single Jpeg file before synchronizing and associating them to the relevant video.

Media and associated metadata are finally made available on a NAS, from which they are sent to France Télévisions multiplatform transcoding systems.



## THE RESULTS

OpenHeadend enabled France Télévisions to efficiently attract the attention of the broadcast industry on the impressive potential of HbbTV and to pave the way for its success.

Viewers can enjoy a synchronized beginning of broadcast for their local news programmes and select which one they will watch from their mosaic, depending on the headlines.

With over 1 billion views per month, Pluzz, France Télévisions' catch-up TV service, enable viewers to watch for free their favorite programmes whenever they want, from any of the 38 channels of the group and for 7 days after broadcast.

**Arnaud Drillon**  
Project and Technical  
Manager at France  
Télévisions Digital Editions



“Processes are fully automated. OpenHeadend solutions are flexible, robust and easily integrate into our 'video factory' workflows.”

OpenHeadend Teams always support our multiscreen development strategies by being reactive and willing to adapt their solutions to our specific requirements. ”

## Want to know more?

Many customers rely on the power, flexibility and reliability of the OpenHeadend solution for their mission-critical operations, including France Télévisions, France 24, NRJ, M6, AB Group, TRACE, Grand Lille TV, Yacast, IBM, and much more.

## To find out more, contact OpenHeadend:

info@openheadend.tv  
www.openheadend.tv

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