



# Supervision & Hypervision System Case Study

After the French cable television channel Canal+ chose to implement iBroadcast, they benefited from rapid fault finding and broad spectrum reporting.

Astec IT Solutions Ltd  
Venture Point  
Towers Business Park  
Wheelhouse Road  
Rugeley  
WS15 1UZ  
United Kingdom  
+44 1543 888134

[enquiries@astecsolutions.com](mailto:enquiries@astecsolutions.com)  
[www.astecsolutions.com](http://www.astecsolutions.com)

# Supervision & Hypervision System

## Background

Canal+ is a French premium cable television channel launched in 1984. The channel broadcasts several kinds of programming, mostly encrypted.

The incumbent supervision systems utilised by Canal+ individually monitored a number of disparate broadcast systems, providing the operations team with a challenge in maintaining a consolidated, real-time overview of their entire operation. With a dedicated but lean support department, Canal+ required a proven dynamic, scalable, end-to-end, multi-vendor solution to support their team in identifying issues, assuring integrity and focusing on platform remediation activities.

Canal+ were looking for a solution which could complement and homogenise their existing supervision systems without entirely superseding the existing infrastructure. With an eye on future expansion, the solution also needed to be dynamic, flexible and scalable.



## Solution

Canal+ selected iBroadcast as the optimal solution, as it offered the flexibility and customisation options to fulfil their requirements. iBroadcast leveraged existing supervision systems by providing an orchestration layer capable of aggregating data from any device or system in their broadcast platform to provide a fit-for-purpose solution without the need for an entire overhaul. Each of the previously disparate supervision systems were brought together to sit under the umbrella of a hypervision system. This allowed Canal+ support staff to consolidate the information from all of their existing supervision systems through a single, unified operational dashboard.

The multilingual capability of iBroadcast was a great benefit for Canal+ and enabled the system to become a fundamental component of their operation. In line with this, the graphical user interface was completely tailored to the needs and specifications of the Canal+ operations teams. iBroadcast was further cemented as an integral part of the Canal+ operation through the delivery of a specially-tailored training programme, which was prepared and delivered in French.

Focusing initially on satellite and DTT head-ends, playout systems and OTT, iBroadcast was configured to meet the broadcaster's business objectives. This required iBroadcast to augment the existing vendor-specific element management systems to enable Canal+ to continue to leverage their initial capital investment.

To allow scope for expansion, the system automatically responds to configuration changes in elements of the platform and equipment. This ensures the system is continuously up to date and dynamically handles any technical refresh or lineup changes.



The business aims of Canal+ were further supported by the flexibility provided by iBroadcast. Canal+ wished to take ownership of the system, expanding functionality within their operation without requiring input from Astec engineers. iBroadcast empowers users, allowing them to fully customise the software, both independently and in conjunction with existing systems, to create the desired operational environment and user experience. Having control to this degree means that Canal+ have a real-time, end-to-end control and monitoring solution for their current operation and the scope to expand freely in the future.

## Results

Once implemented, Canal+ saw the immediate benefit of a unified and consolidated user interface, through which their operations and support teams could maintain a real-time view of all underlying systems. Any arising issues are identified in a timely manner and dealt with accordingly.

iBroadcast also provides the ability for operators to prioritise alarms, allowing limited resources to be applied effectively in times of need. With safeguards in place, the integrity and quality of broadcast output could be assured and the workload of the operators was reduced.

Complementing the dynamic, customisable capabilities of iBroadcast was the provision of two different displays for Canal+ staff. The real-time operational view, which is the primary interface of their operations teams, provides immediate notification of any issues in the underlying systems that may affect the integrity of their broadcast services. The separate real-time maintenance view provides support teams with invaluable information relating to the physical condition of equipment and is invaluable in assisting with the prioritisation of remediation work.

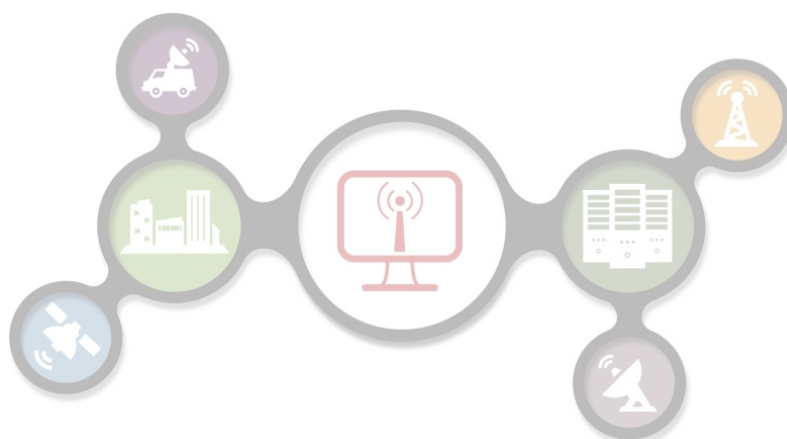
This capability allows two entirely different operational teams to benefit from the system by simply presenting two different aspects of the acquired data. By supporting both operational and maintenance teams within the single, consolidated iBroadcast user interface, the time taken for team members to react to faults was greatly reduced. iBroadcast collates all alarms and events into platform performance reports; these detail the areas of the operation which see the greatest number of incidents along with highlighting frequently occurring alarms across the platform. Generated reports can then be utilised to improve platform remediation activities and assist in identifying areas requiring technical attention within an acceptable timeframe.

## Conclusion

iBroadcast works in conjunction with the existing Canal+ operational workflows and provides a basis from which they have expanded their system architecture to cover modular equipment, routers and other systems.

The implementation of iBroadcast as the Canal+ hypervision system has provided an overview from both an operational and maintenance standpoint, and has increased the efficiency and effectiveness of their support operation. iBroadcast removes the need to individually assess and allocate technical resources to diagnose isolated events, and provides real-time information to pinpoint specific elements in need of technical remediation.

With iBroadcast, Canal+ now enjoy the benefits of a system that guarantees the best possible service integrity and broadcast output quality.







## Background

Astec Solutions strives to improve operational effectiveness and profitability for clients by delivering specialist management, production, reporting, and monitoring and control solutions.

Our broadcast solutions are trusted by some of the world's leading broadcasters to control and monitor their entire broadcast platform and ensure they continue to provide quality services to meet customers' changing needs.

## Solutions

Astec's unrivalled product experience and expertise enables clients to optimise their software investment, with a range of solutions which support existing implementations or new functionality development.

- iBroadcast Network Management System
- Management Information Systems (MIS)
- Data Analysis & Reporting

## Further Information

For further information relating to this case study please contact:-

+44 1543 888134  
[enquiries@astecsolutions.com](mailto:enquiries@astecsolutions.com)  
[www.astecsolutions.com](http://www.astecsolutions.com)

Venture Point, Towers Business Park, Wheelhouse Road, Rugeley, WS15 1UZ United Kingdom  
Registered UK Company: 4062330 (VAT: GB754536318)