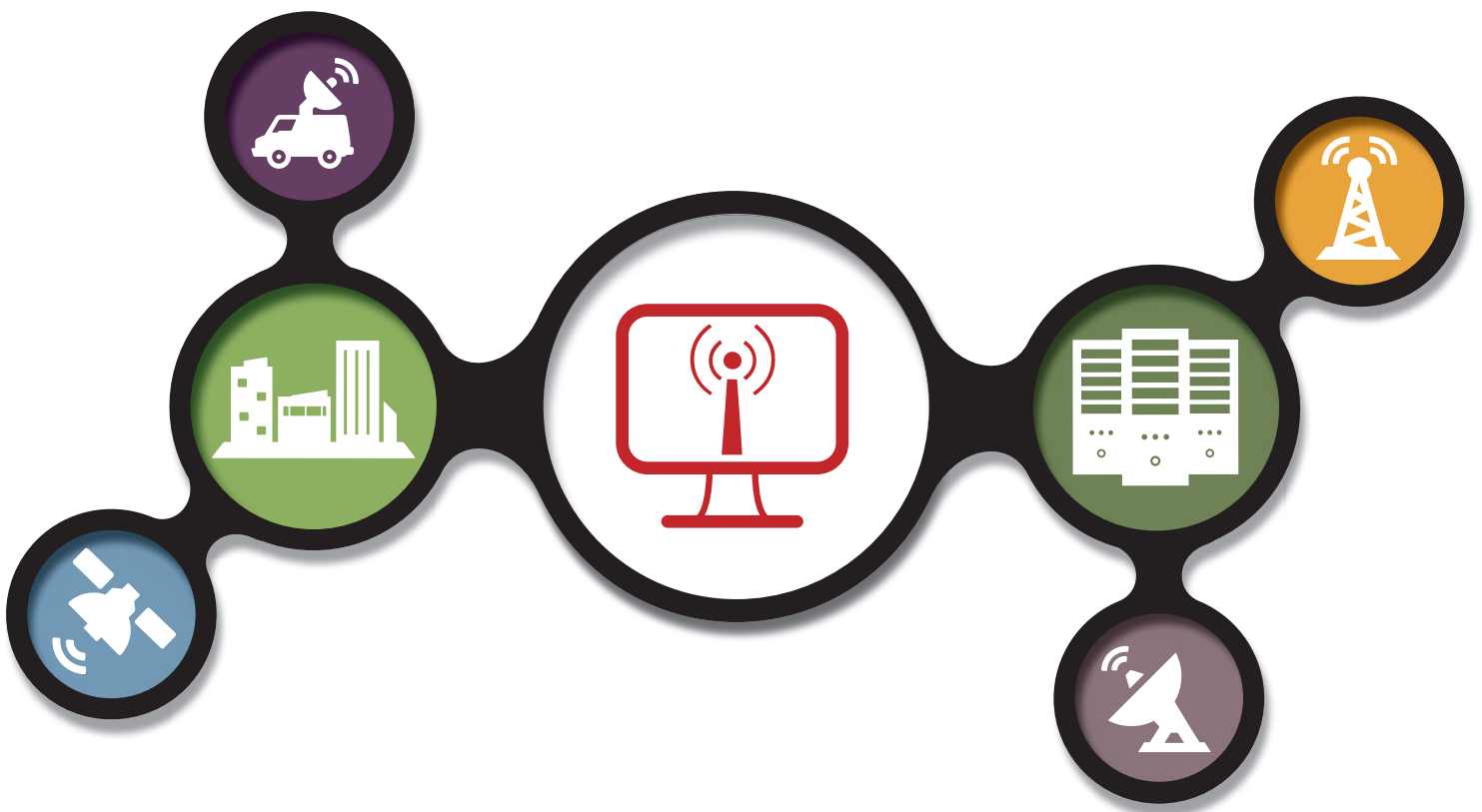# Take Control Of Your Entire Operation

Scalable, end to end, multi-vendor
Network Management System

Astec ®

About iBroadcast

Monitor and Control your entire broadcast platform from end to end, through a single operational dashboard.

The most flexible and configurable Network Management System

Our flagship iBroadcast product is a comprehensive, end to end Network Management System for broadcast platforms, enabling operations teams to take rapid action in response to any issues that might affect uptime.
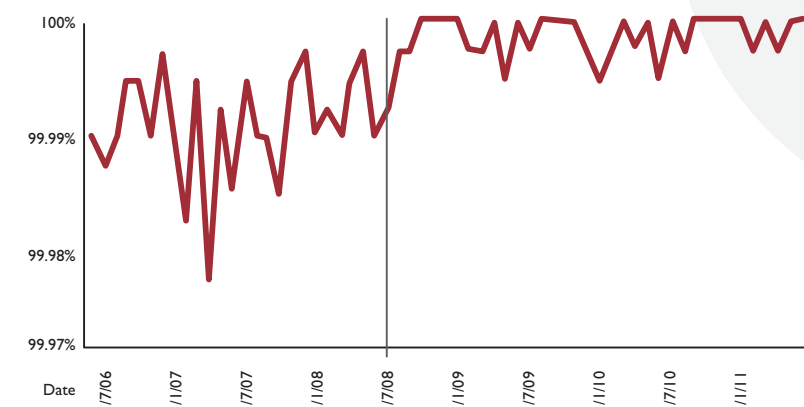
It delivers the next level of integrated monitoring and control via prioritised or phased deployment of linear and non-linear supervision.

Across studios, MCRs, play-out systems and headends, iBroadcast is your single, consolidated operational dashboard. It aggregates data from all your broadcast equipment via an elegant, hierarchy-based interface designed to detect, diagnose and overcome technical issues.

Providing real-time equipment status display and alarms, the system provides root cause analysis and trending, alarm correlation and equipment control. It enables web-based reporting, off-air service monitoring and much more. Applications also extend to uplinks, transmitters, IT infrastructure and building management systems.

iBroadcast is Powered by *Proficy+*, the real-time monitoring and control platform from GE Intelligent Platforms. *Proficy+* has over 300,000 license installations in more than 200 countries.

Service availability chart from an iBroadcast® user

10 reasons to choose iBroadcast®

Vendor independent and guaranteed device support
iBroadcast is truly vendor independent which means it is compatible with any equipment or system that provides a communications interface. We also guarantee that iBroadcast will be compatible with any equipment or system you have, now and in the future.

Infinitely scalable from the smallest to the largest environments
From niche operations to multi-channel, multi-national giants and everyone in between, iBroadcast is infinitely scalable and can grow in-line with your business. Our scalable architecture can be expanded at any time without system downtime.

End to end control and monitoring
Manage your broadcast equipment, IT infrastructure and facilities assets in real-time through one consolidated user interface enabling you to take control of your entire operation.

The most dynamic and flexible solution available
We recognise that environments, systems and equipment frequently change so we have designed iBroadcast to be as dynamic as your operation. New equipment may be rapidly integrated into the solution ensuring the control and monitoring coverage is uninterrupted through operational transitions.

Next generation user interface
Our next generation user interface is intuitive, dynamic and provides rapid assimilation of data for an immediate operator response. We have consulted global standards to provide displays that are easy to read and provide rapid access to critical information, significantly raising the bar in network management system user interface design.

Trusted by the world's leading broadcasters
Many of the world's leading broadcasters trust iBroadcast as their primary hypervision system across their entire operation. They rely on iBroadcast to ensure they deliver the level of quality expected by their customers.

Lowest Total Cost of Ownership
iBroadcast is the most scalable, flexible, dynamic and configurable Network Management System available. All of our drivers are free and we empower our customers to take ownership of their systems, significantly reducing the Total Cost of Ownership.

Configurable, off the shelf solution
With our intuitive configuration tools you can rapidly deploy iBroadcast and begin to realise immediate benefits. iBroadcast is an off the shelf product, with a strong roadmap, regular product updates and extensive technical support.

Significantly reduce the time to solution
The instant notification of alerts and powerful root cause analysis provide valuable insight in understanding and overcoming issues which may affect the quality of the services you deliver to your customers, greatly reducing the time to solution.

Ensure business continuity
In an environment where customers are demanding greater quality across an increasing number of delivery platforms, you need to be confident that the services you deliver meet your customer's quality expectations across all platforms.

Quote from an iBroadcast® user

"Astec helped us realise a unified monitoring and control approach. The whole platform is visible via a common, intuitive user interface and the flexible architecture means the system's easy to expand and maintain.

"This is important for our business - a dynamic company operating in a marketplace where needs are continuously changing. Our Total Cost of Ownership has been reduced while providing a far more flexible system than we had originally.

"Astec has developed elements which are easily auto-configured across the system, saving what used to be very time consuming development which was prone to errors. They added value by questioning the existing architecture, suggesting new approaches and developing flexible systems."

Connect

Manage the most complex operations end to end, crossing vendor boundaries and technology domains.

From small workgroup systems
to managing the entire broadcast
platform and distribution network,
iBroadcast gives you full control.

Instant Notifications

iBroadcast collects data from equipment, services and applications in real-time using standard communications protocols such as SNMP, HTTP, SOAP, NRPE and many more. This provides instant notification of critical issues, direct to your operations teams and greatly reduces the time and resources required to action solutions.

Data Aggregation

Across studios, MCRs, play-out systems and headends, iBroadcast is your single, consolidated, real-time operational dashboard. It aggregates data from all your broadcast equipment using an intuitive, hierarchy-based interface designed to rapidly detect, diagnose and overcome technical issues.

Free Drivers

All our drivers are free and we guarantee connectivity to any device or system that provides an open communications interface. The iBroadcast configuration tool also enables customers to quickly and easily configure their own drivers, with no programming skills required.

Data Management

The volume of data managed in a broadcast environment is vast. iBroadcast helps you stay on top of that data and maximise its value - a critical factor if you want to stay competitive.

Your company's data changes constantly and evolves, carrying with it vital information that can help explain the cause of both positive and negative events. This type of intelligence needs to be captured for later analysis so it can be used to identify patterns that determine the root causes of operational issues.

Historical Trending

iBroadcast has an unrivalled historical trending capability, providing the ability to visualise changes and quickly spot when patterns form. This enables you to take a step back and gain a critical overview of issues arising during day to day operations.

This capability is particularly valuable in the area of Service Level Agreements (SLA's). Since the data captured can be stored for an indefinite period in an historical database, it can be used to ensure compliance and track performance against SLA targets. Key future business decisions can then be made using this data.

Your Operational 'Flight Recorder'

By capturing raw data that enables you to make effective decisions, the historical database acts as a 'flight recorder' for your entire broadcast operation. With easy access to accurate historical information, you can make more informed business decisions and deliver a quality service to your customers.

Never miss an opportunity to **optimise** your system and improve your **uptime**. Use the intelligence locked in your business data to exceed your operational **goals**.

Optimise

Ensure process and equipment effectiveness, improve compliance and availability and sharpen your competitive edge.

Solve

Visualise and analyse data in the blink of an eye, determine root cause and drive fast resolution.

Provide the information your operational teams require to manage risks and overcome issues across your platform before they occur.

Operational Intelligence

At the heart of iBroadcast sits a powerful Enterprise Reporting dashboard. This powers vital operational intelligence, showing the current status of your broadcast platform's Key Performance Indicators (KPIs) and providing accurate and real-time operational insight.

Seamless Configuration and Deployment

Changes in the configuration of iBroadcast can be carried out without having to take the whole system off-line. This enables new software and hardware to be easily and rapidly deployed and means that backup equipment can be brought online seamlessly and instantaneously.

Flexible and Configurable

iBroadcast is the most flexible and configurable Network Management System available. It gives you unprecedented control over the presentation of information via its clear, intuitive and configurable user interface. The most complex workflows may be represented and status information is aggregated through the system hierarchy allowing a single object to represent the status of a complete operational area, site or service.

Early Detection, Remote Connection

iBroadcast Mobile Access enables you to stay connected to your broadcast platform wherever you are in the world and to remotely solve issues faster than ever before. Securely from any device, our Personal Toolbox arms every employee with the ability to access the right data at the right time.

Early problem detection and faster response times to critical issues mean your workforce will always have the data they need to take action. So you can optimise your company–owned tablets and smartphones harnessing the power of your team quickly and securely.

We've got an App for that

iBroadcast Mobile Access provides an App that enables mobile management and operation by providing KPIs and data from any monitored device. Remote users can therefore keep in touch with information, alerts and trends across your entire broadcast platform.

Drawing attention to the most critical information, the easy to view displays pull together data and alert users to a current situation or predictive condition. This means your support teams are able to overcome issues and quickly find solutions, regardless of their location.

Intelligent Reporting

Working with some of the largest global broadcasters has enabled us to produce an 'out of the box' set of standard, intelligent reports which meet the majority of requirements. Custom reports can also be configured to provide the data you need to stay in control of your operational performance.

Be connected, wherever you are with iBroadcast Mobile Access and solve issues quicker than ever before.

Collaborate

Link to equipment, systems, customers, suppliers and 3rd parties in real-time.

Innovate

Launch new services quickly and get more out of your platform than ever before.

iBroadcast provides the **tools** to enable you to think outside the box. It offers new **solutions** to complex tasks and challenges and allows you to **solve** issues you were unable to overcome before.

A Fresh Approach to Network Management

iBroadcast offers new solutions to complex tasks and enables you to solve issues you couldn't have overcome before.

We'll help you respond to customer needs and improve your services and product innovation. You'll be able to optimise your operational processes and collaboration and eliminate bottlenecks by increasing efficiency. You'll also find it a lot easier to comply with all those stringent regulations and compliance procedures.

Based on your operational staff's role, asset location and viewing device, iBroadcast provides the information they need to access, setting a customised field of view for each user and enabling informed decision making.

Rapid Integration of New Equipment

Auto-Discovery and Auto-Configuration allow for the rapid integration of extra system components. In the studio environment this might include new cameras, vision mixers or recording systems. In transmission, updated encoders, multiplexers, IRDs, automation servers or glue.

iBroadcast also gives you the tools for file management, content quality analysis and regulatory broadcast standards, ensuring that your content is compliant with the appropriate legislation.

But the scope and versatility of iBroadcast doesn't end there. We can even interface to Building Management Systems or monitor the fuel level in your backup generators!

Automation Engine

Whether your operators' routine tasks are simple or complex, iBroadcast simplifies their procedures with a powerful feature that's able to perform tasks automatically, on either a timed or event-driven basis.

Tailored to Your Environment

iBroadcast is scalable and flexible and capable of quickly fulfilling the changing needs of broadcasters, integrators and third party suppliers. We have the flexibility to expand and adapt to your evolving platform, reducing the need for unnecessary expense.

Intelligent Alarm Solutions

iBroadcast is renowned for its powerful alarm handling capabilities. Placing the customers' specific needs at the forefront, it can process thousands of different alarms with ease.

To avoid false alarms and other system anomalies wasting valuable time, the system is managed to ensure that genuine alerts are escalated to enable timely, decisive action to be taken.

Providing precise alerts that engineers can quickly react to and resolve, iBroadcast Advanced Alarming enables you to focus only on the warnings that matter across your broadcast ecosystem.

Plug and Play on the Move

iBroadcast One™ is a step-change in broadcast monitoring and control solutions. A Network Management System in a box, it comes packaged and shipped ready to use and condenses the unrivalled capability of iBroadcast onto a single server.

This is an ideal solution for mobile production, post-production units and independent broadcasters, where rapid deployment and reduced configuration time are crucial.

Whether managing a single studio or complete multi-channel environment, iBroadcast gives you the control you need at your fingertips.

Adapt

Scalable, flexible solutions to fulfil the dynamic needs of our customers today and tomorrow.

Astec

iBroadcast®
Network Management System

iabm
Member

GE
Partner
Intelligent Platforms

Our solutions are *Powered by Proficy,* which has over 300,000 license installations worldwide and is developed by GE Intelligent Platforms.

Astec is a Premier Solution Provider (PSP) for GE Intelligent Platforms. Our strategic partnership enables us to utilise our unrivalled product experience and depth of knowledge throughout Europe and North America coupled with the knowledge and experience you would expect from a global IT products and services provider.