

Revolutionising Parliamentary Broadcast Production with Techtel

CASE STUDY

Introduction

Techtel was selected by an Australian state government to build the country's first digital, file-based video-on-demand service for parliamentary proceedings. Based on a pioneering design from consultancy firm Australian Systems Integration, Techtel implemented the solution in 2017, establishing a new benchmark in legislative broadcasting in Australia.

This deployment laid the foundation for future innovations in parliamentary production and accessibility, leading to the development of a comprehensive broadcast system that integrates advanced camera control, metadata-driven automation, and seamless content management.

Parliamentary proceedings are a vital component of democratic governance, requiring seamless, high-quality broadcast production and accessible archiving solutions. Techtel, has pioneered solutions for legislative broadcasting, equipping Australian parliaments with state-of-the-art production and recording capabilities.

Challenge

Prior to Techtel's involvement, an Australian State Parliament had limited in-house video recording and production capabilities.

The lack of a sophisticated, integrated production system made it difficult to provide live and on-demand access to parliamentary proceedings.

The requirement was therefore a robust, user-friendly, and highly automated broadcast production system that would allow seamless control over live recordings while integrating with existing parliamentary workflows.



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Solution

Techtel designed and implemented a cutting-edge production system leveraging advanced camera control solutions and automated workflows. The key components of this solution included:



- **Telemetry Camera Control System** – The system enabled precise camera operation with the Telemetry RCCP-1 control panel, allowing directors to manage multiple Panasonic AWHE130 HD PTZ cameras. Custom-painted cameras ensured compliance with heritage building regulations.
- **Hansard Metadata Integration** – Automated lower-third graphics dynamically generated based on parliamentary records, ensuring accurate representation of ongoing debates.
- **Multi-Mode Production Capability** – Operators could toggle between fully automatic, semi-automatic, and manual modes to adapt to different parliamentary sessions, such as question time or committee meetings.
- **Fully Redundant System Architecture** – Designed for resilience, the production system allowed seamless failover between control rooms, ensuring uninterrupted coverage
- **Enhanced Storage and Signal Processing** – Integrated solutions from TVLogic, LYNX Technik, Spectra Logic Verde NAS, Apantac, and Panasonic facilitated efficient signal processing, vision switching, and storage management.
- **Clerk Control Panel** – A purpose-built interface for non-technical users, enabling clerks to manage live-to-air outputs, control visual elements, and monitor final program output with ease.



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Implementation of inflo

Building on the success of previous installations, Techtel's inflo™ software was adopted by the parliament in 2022, under a five-year agreement. This browser-based solution provides unparalleled accessibility, allowing parliamentary staff, members, and journalists to search, browse, and download both historical and live content.

Key features of inflo include:

- **Browser-Based Editing** – Streamlined workflows for content curation and distribution.
- **Multi-User Credential Access** – Secure authentication enabling different levels of access.
- **Seamless Hansard Integration** – Enhancing searchability and metadata tagging for more efficient content discovery.

inflo



Results

The deployment of Techtel's production system and inflo platform has set a new benchmark in legislative broadcasting. The parliament now operates a fully integrated, highly automated production environment that ensures accurate, accessible, and high-quality content delivery. The system's resilience and adaptability position it as a model for other parliaments across the region.

Conclusion

Techtel's expertise in broadcast integration and software development has transformed the way parliamentary proceedings are recorded and accessed. By combining best-in-class hardware with innovative software solutions like inflo, Techtel continues to lead the way in modernising legislative broadcasting, delivering a solution designed, built, and supported in Australia.