

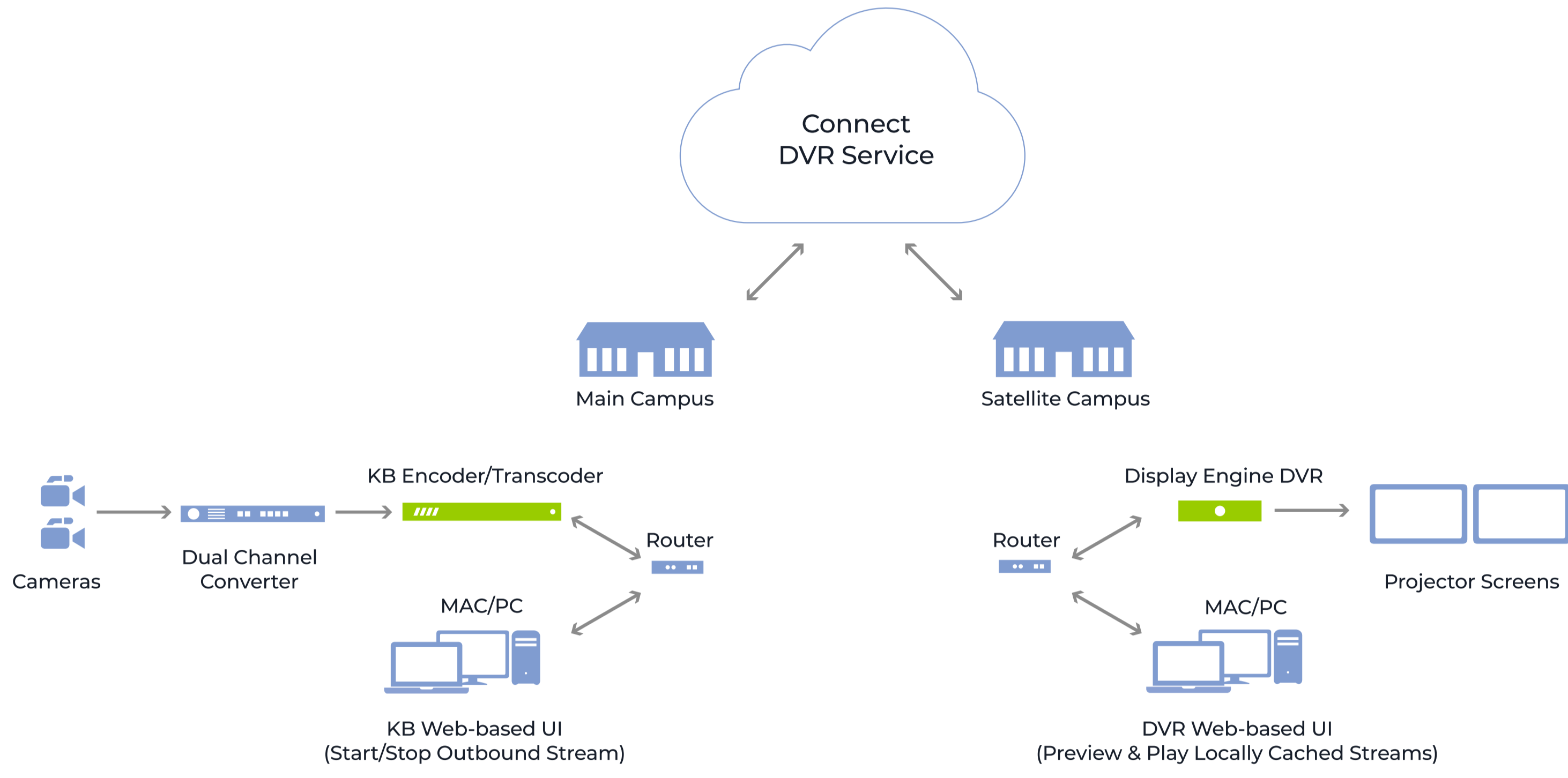
Video-Sharing Platform For a Dutch Media Company

How updating the UI and perfecting the architecture of their existing video-sharing platform helped a media company boost video quality for low-cost Internet connections and drive user satisfaction by 12%.

Challenge

The customer contacted *instinctools while looking for a contractor to help them implement several new features on their platform. **The main challenge for our team was to implement:**

- New UI
- A caching feature to increase the quality over the public Internet.



Solution

We have:

- Integrated Haivision's high-quality KB encoder, Akamai's industry-leading Content Delivery Network (CDN), and the compact and powerful Display Engine DVR remote appliances.
- Integrated KB Internet media encoder and local caching.
- Provided synchronized dual video streams.
- Implemented new UI.
- Developed a caching function to increase public Internet quality.

Key features

End-to-End Simplicity

- The solution integrates customer's high-quality KB encoder, Akamai's industry-leading CDN (Content Delivery Network), and the compact and powerful Display Engine DVR remote appliances;
- Staff and volunteers can easily connect to preview, play, and share inspirational messages from the main campus at remote locations.

The Highest Quality of Public Internet

- Delivery of the highest quality HD experience to remote campuses.
- Using low-cost Internet connections allows the distribution of streams, without sacrificing quality.
- Low-cost Internet connections help save time and money.
- Local caching makes sure new content is safe.

Complete Control, with Flexibility

- Haivision Connect DVR gives remote campuses control and flexibility.
- Remote campuses can preserve either the full stage and IMAG camera angles or the presenter and presentation, from the main campus.

Technologies

Backend



Node.js

- HDMI / DisplayPort
- FFmpeg/mpv
- Video streaming
- HLS

Frontend



Backbone.js

- hls.js

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