

Sports Video Pipeline

From raw footage to real-time insights, at match-day scale.



Deliver every clip, stream, and replay at the speed the game demands.

Legacy video systems weren't built for the demands of modern sports organizations. Manual infrastructure, unreliable processing, and slow clip delivery create bottlenecks that affect everything from coaching decisions to fan engagement.

Caylent replaces that burden with a fully managed, AWS-native video pipeline that scales automatically to match-day demand, so your team can focus on performance, not infrastructure.

Where We Can Help



High-Speed VOD Processing

Full match footage transcoded and ready for review in under 3 minutes, no manual intervention required.



Live Transcoding for Coaching and Editorial

Real-time HLS playback for live coaching and editorial review, with instant live-to-VOD transition.



Frame-Accurate Social Clip Delivery

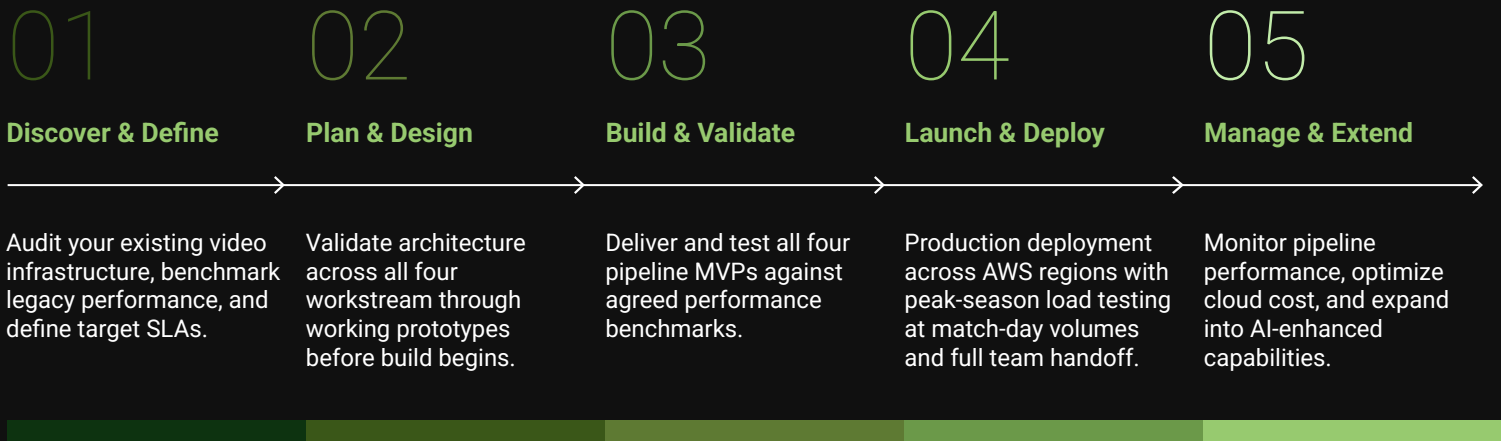
Broadcast-quality clips extracted with millisecond accuracy and delivered to social platforms in under 10 seconds.



Multi-Protocol Live Stream Ingestion

One pipeline that accepts any input format across every venue and camera setup.

Our Approach





Engagement Components

Video Infrastructure Assessment	Audit of existing workflows, legacy benchmarks, and SLA gap analysis used to scope and prioritize your MVP roadmap.
Technical Architecture Blueprint	Documented AWS-native architecture covering all four pipeline workstreams, service selection, multi-region design, and infrastructure dependencies.
Terraform IaC Library	Fully modular Infrastructure as Code codebase enabling consistent, repeatable deployments across dev, staging, and production environments.
CloudWatch and Datadog Observability Dashboards	Pre-built monitoring dashboards covering pipeline health, job completion rates, processing latency, and cost attribution.
Operational Runbook	Comprehensive guide covering day-to-day operations, failure modes, escalation procedures, and peak-season readiness for your internal team.
Knowledge Transfer Sessions	Hands-on sessions covering architecture, operations, and platform extension so your engineering team can own and evolve the pipeline post-handoff.

Customer Story

Video ProcessingSports TechnologyApp Modernization

*Anonymized

Global Sports Performance Analytics Provider

Challenge	Solution	
Legacy video infrastructure required manual EC2 management, couldn't reliably handle 4TB of weekend video volume, and lacked the automation needed to meet tight customer SLAs.	Caylent delivered four production-grade AWS Elemental pipeline MVPs in 16 weeks, for VOD processing, live transcoding, frame-accurate social clipping, and multi-protocol stream ingestion.	50% faster video processing, 99.9% job completion rate, and eliminated manual infrastructure management.

Let's Get Started

Ready to modernize your video pipeline?

Schedule a discovery call with our specialists and see what's possible for your organization.

Scan the QR code or [click here](#) →

