

15th
ANNIVERSARY

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15^o Years Anniversary

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The Intelligent Media Delivery Company.

Live and On-Demand, Globally.

Media industry major challenges



Content Delivery Networks (CDNs), the backbone behind media streaming delivery, need innovative solutions to overcome **Quality of Experience** and **Resources Optimization** challenges and support the transition to video online streaming



Quality of Experience

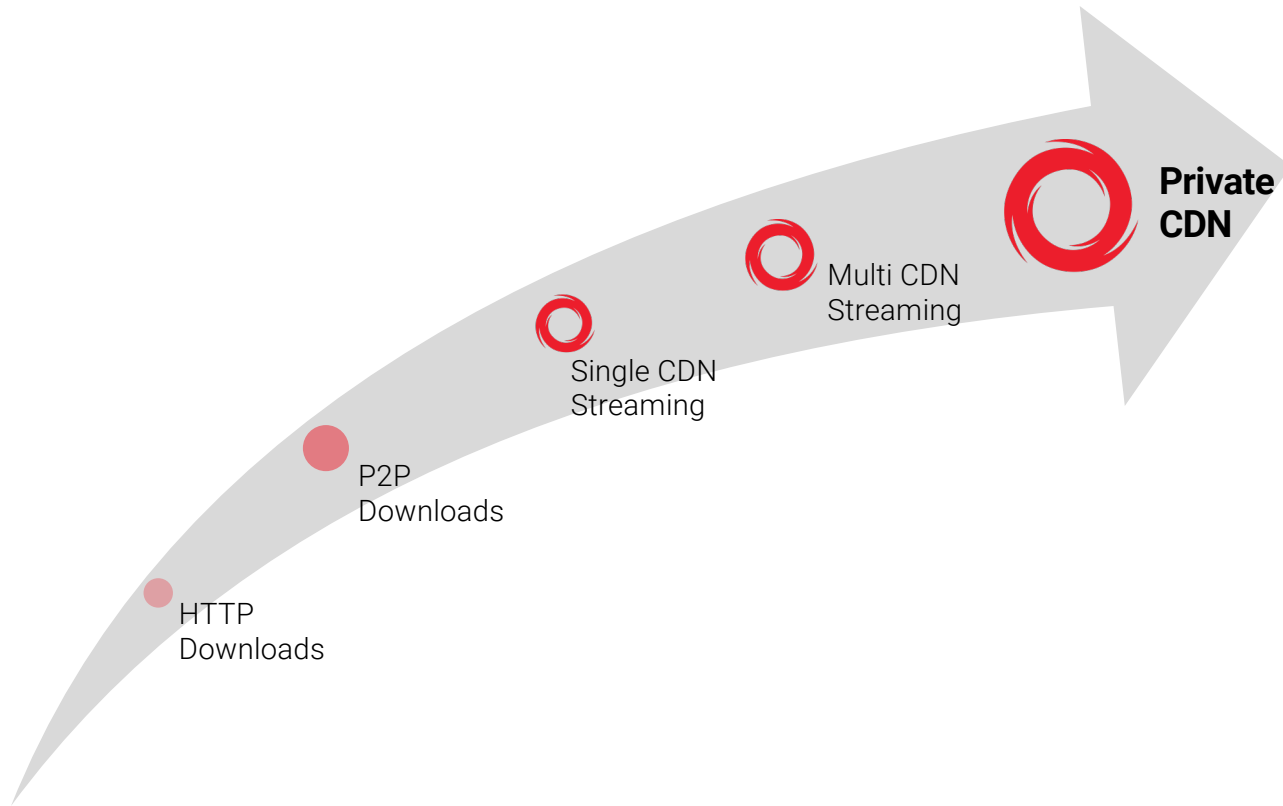
Present CDNs **cannot** deliver the **QoE that users demand**
4K demands 16 Mbps while Netflix average stream is 3.34 Mbps



Resources Optimization

The world will not be able to sustain the growth in **energy consumption**
Japan data centres will consume its entire electricity supply by 2030 if growth trend continues

I Evolution of internet video



I These Silicon Valley giants already know...

NETFLIX



Open Connect

YouTube



YTCDN

facebook



FBCDN

| The Solution



MainStreaming's **revolutionary AI-powered HTULL (High Throughput Ultra-Low Latency Streaming)** technology enables broadcasters, telco operators, media and gaming companies to offer the **best Quality of Experience** to viewers and a **financially sustainable business model** for media owners

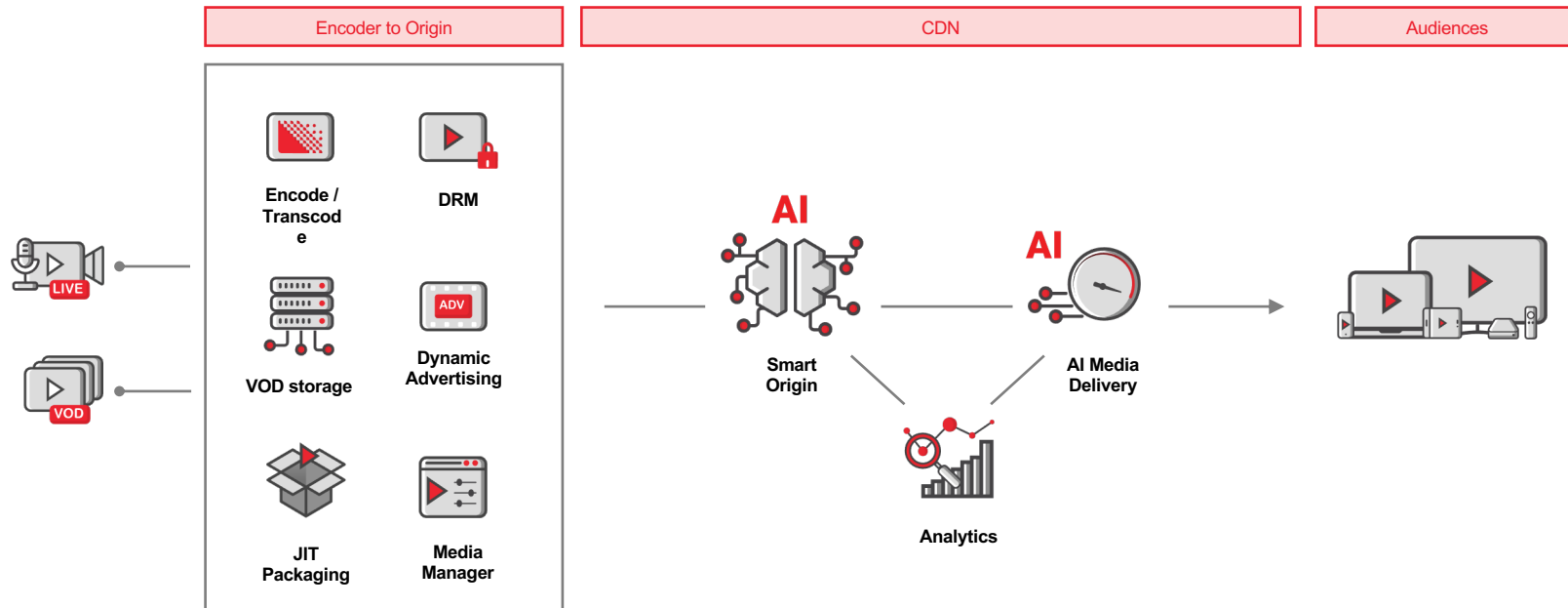
Key Advantages for Broadcasters

This allows them to:

- **Transition their business to online streaming**, maintaining broadcast- like **QoE** and managing **millions of customers and unlimited concurrent** viewers during live events
- Have a **custom** platform, **flexible and scalable** according to the needs of broadcasters enabling a new business model that is financially sustainable
- Give Broadcasters back **full governance** over the entire streaming process



Technology Overview



| Delivery options

MainStreaming technology can easily support every type of service and business model, regardless of the size of the company or its business maturity

Global Video CDN

Provides the benefits of MainStreaming Video Delivery **QoE and allows the client to** control the video delivery capacity, without **dedicated investments and management costs**

The approach

Use **MainStreaming shared POPs** with dedicated hardware and bandwidth for each service

Business model

MainStreaming provides **guaranteed and dedicated bandwidth** for each specific location and ISP

Hybrid Video CDN

Allows to leverage the maximum performance and customization of a Private Video CDN with the flexibility of a Global Video CDN, to quickly meet Clients' business needs

The approach

Mix private CDN nodes for most important POPs and shared MainStreaming nodes for other Regions or temporary locations

Business model

A mix of Private and Global model

Dedicated Private Video CDN

Provides **full control** and allows to **plan the growth of the delivery network**, according to the business needs, optimizing **the investments**

The approach

Deploy **dedicated nodes** within selected ISPs and/or with peering, to cover specific regions/ISPs, based on customer base distribution

Business model

MainStreaming provides **equipment, technology, full service management** and cloud tools

Use case: in-net and off-net delivery

Hybrid Video Delivery Network built to guarantee full governance of a complex ecosystem

Ideal solution for triple/ quadruple play Operator

Scenario

Triple-play Operator with Broadband, phone and TV service
Linear channels and On-Demand service available both in-network and OTT

Goal

Take **full control over the Video Delivery Network**, independently from the network ownership

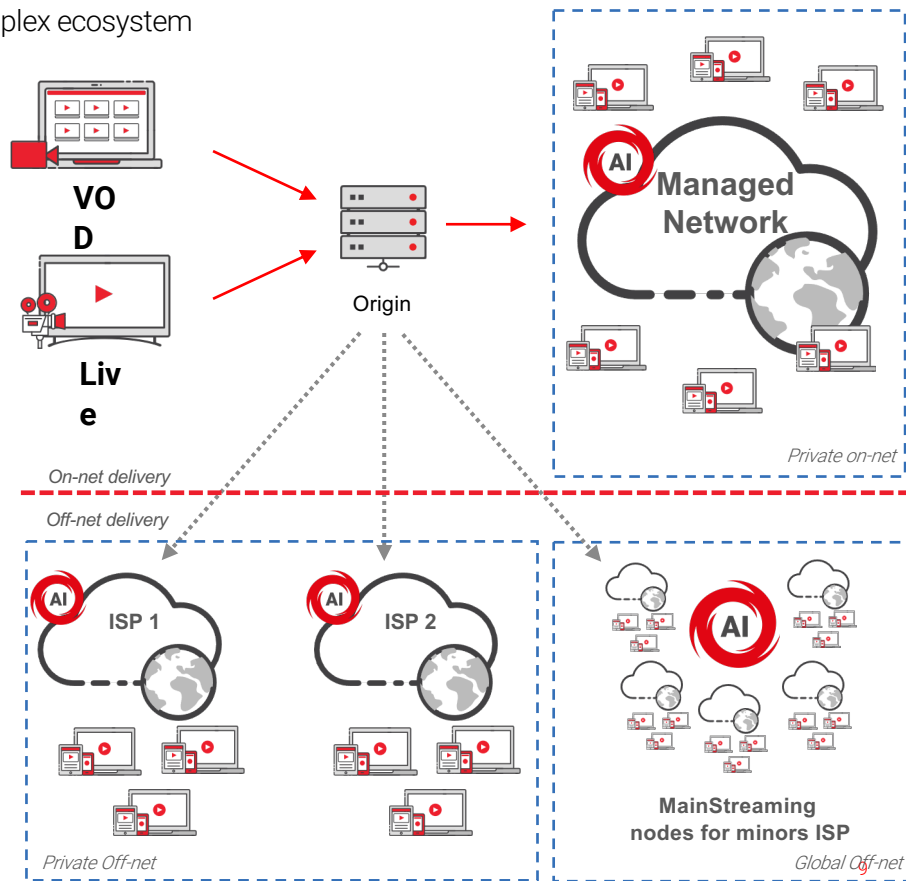
The Solution

MainStreaming Hybrid Video Delivery Network

- **Dedicated Private Video CDN** deployments for the managed network and major service providers
- **MainStreaming shared nodes (Global Video CDN)** for minor ISPs and spill-over traffic

Benefits

- **Total governance** over the available bandwidth no longer based on "best-effort".
- **Flexible model** to support the transition toward a pure "Private Video CDN" approach



| MainStreaming Benefits



Experience First

MainStreaming's AI technology guarantees the best Quality of Experience by increasing **audience satisfaction** and engagement, **reducing churn**, preventing **customer care calls** and improving **social feedback**



Fast Delivery

MainStreaming's intelligent delivery algorithm and **1-hop technology**, is specifically designed for video streaming in **high quality and low latency**



Stable & Proven

MainStreaming's stable and dedicated service streams content, whether live or on-demand, in real time to any connected device, **preventing impact from any other service** delivered via traditional CDN



Green Technology

MainStreaming's 15x more efficient technology **reduces** the rack space usage and power consumption **by 50%**.
MainStreaming servers are located mainly within **“green” data centers**