

Video Platform  
for publishers to  
Introducing  
increase user  
**engagement**

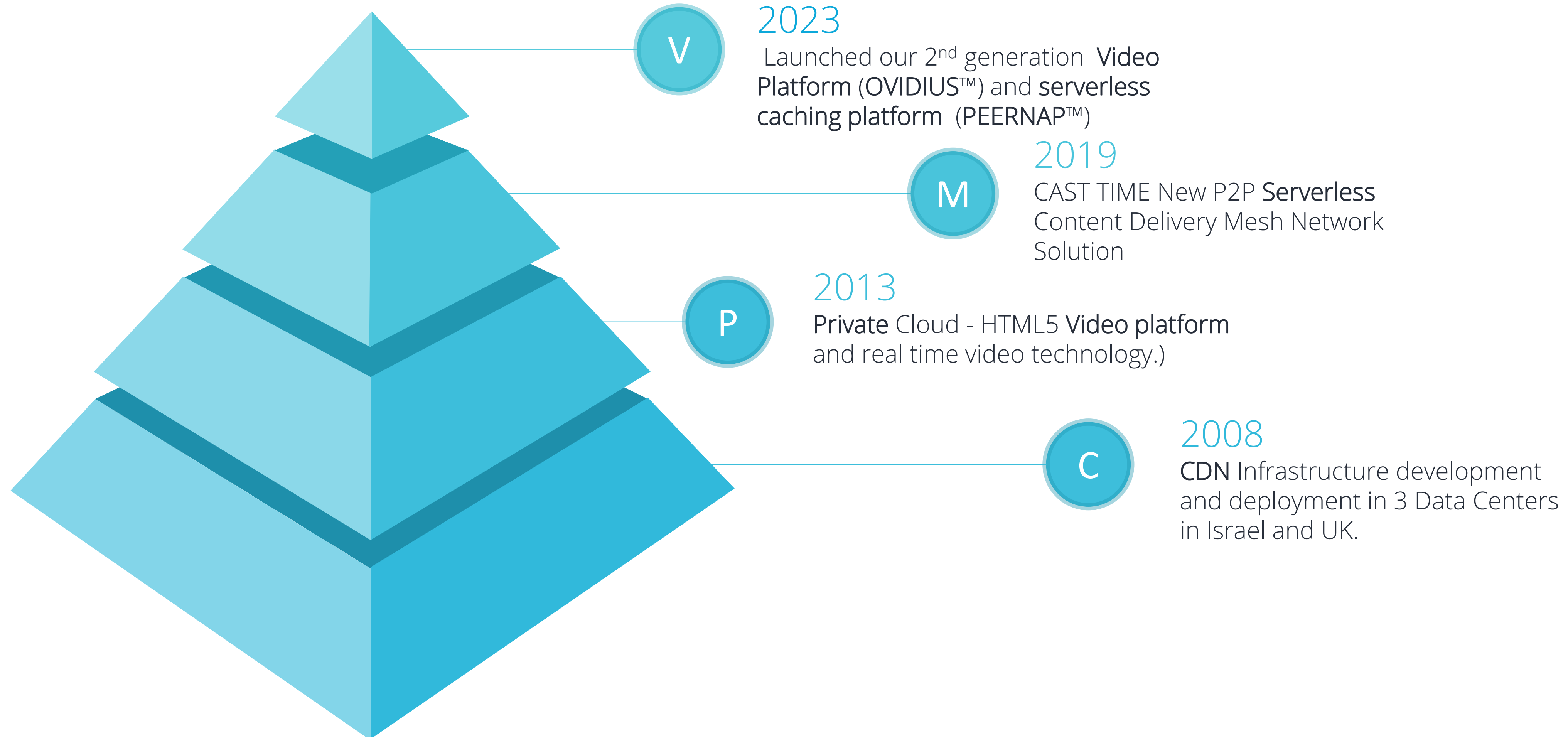
**CASTIME**

Over-the-top Media Service

Extensible way to manage,  
orchestrate, publish, measure  
and monetize your content.

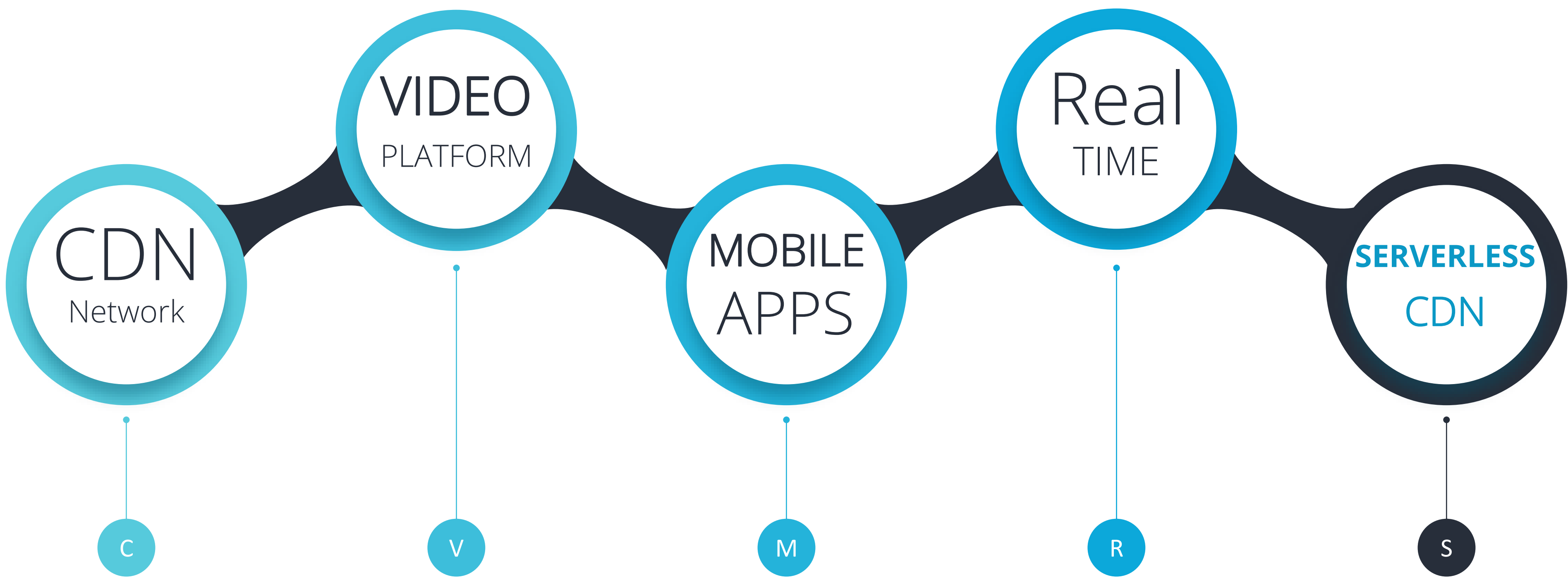
# CASTIME

## ABOUT US!



# MEDIA SERVICES AND PLATFORMS

The **Next Generation** of Media Delivery Solutions



**Content Delivery**  
Multi Peta Media delivery network, serving Live & VOD content, on daily bases, for leading national television networks, cable companies ,etc..

**2<sup>nd</sup> Generation Content Management**  
2<sup>nd</sup> Generation Video Platform (OVIDIUS™) - Video/Audio On Demand and live management platform, content management and enhancement, encoding, and scheduling via a single management dashboard.

**IOS/Android APPS**  
IOS , tvOS , Android and Smart-TV APPS - Native multi layer app engine with built-in Live-Rewind ( Catch up ) and VOD features. Fully monetized with Pre, Mid And Post roll Features.

**Real-Time Technology**  
Real-time technology used throughout our analytics, PIP ,monitoring and monetization system .

**PEERNAP™- P2P CDN Solution**  
CAST TIME's New P2P serverless Content Delivery solution, provides almost unlimited network delivery upscaling, in seconds, without adding servers to the network.



# Content Delivery Network

Delivers the next generation of video delivery experience to your audience .

## Datacenters

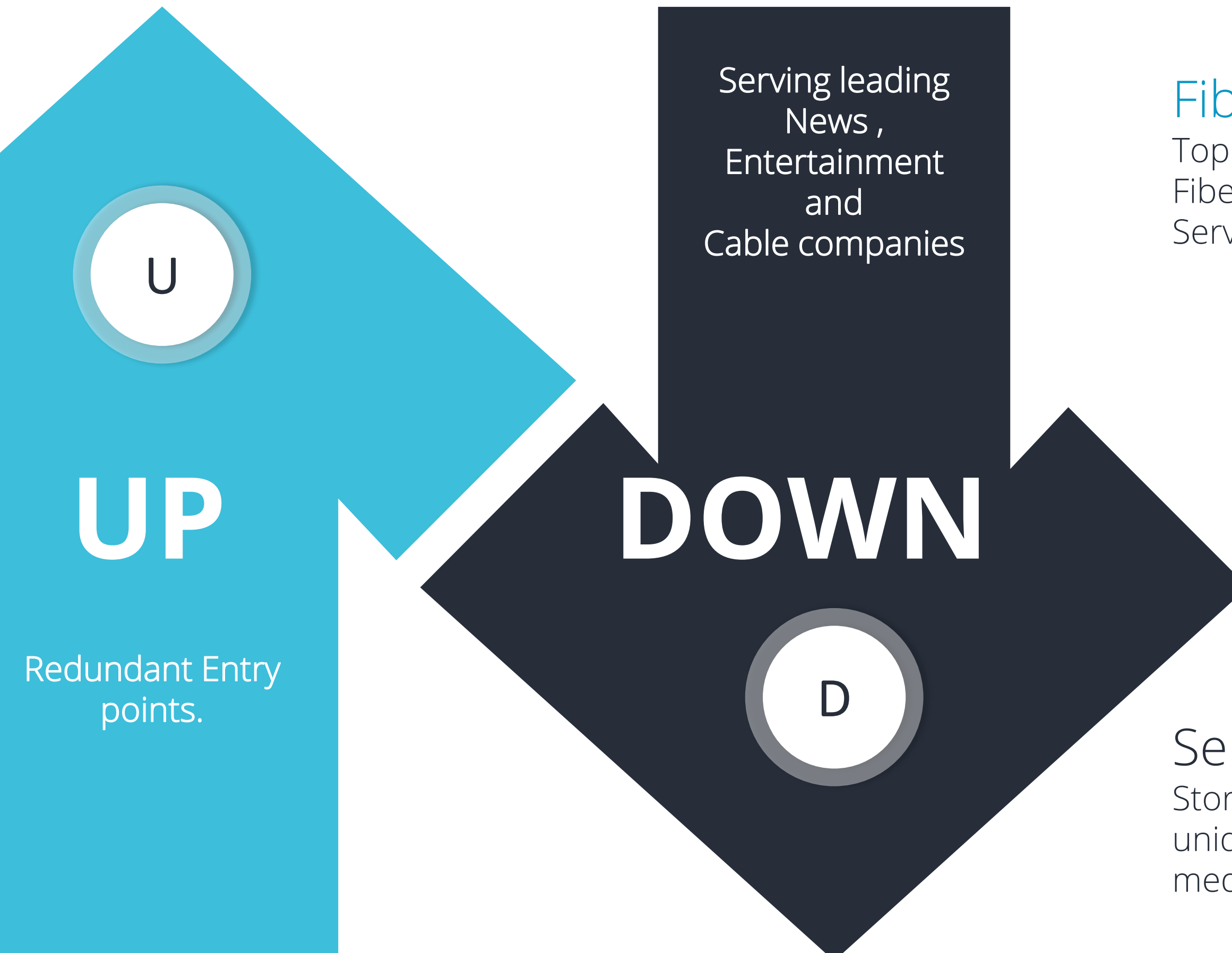
- Middle East
- Europe

## 3rt Party CDN Support

- AWS
- AKAMAI

## Redundant Entry points

- Object-based storage– Multi Petabytes storage.
- HTTP/S Live Ingest – Active/Active/PDC.



## Fiber-Optic Network

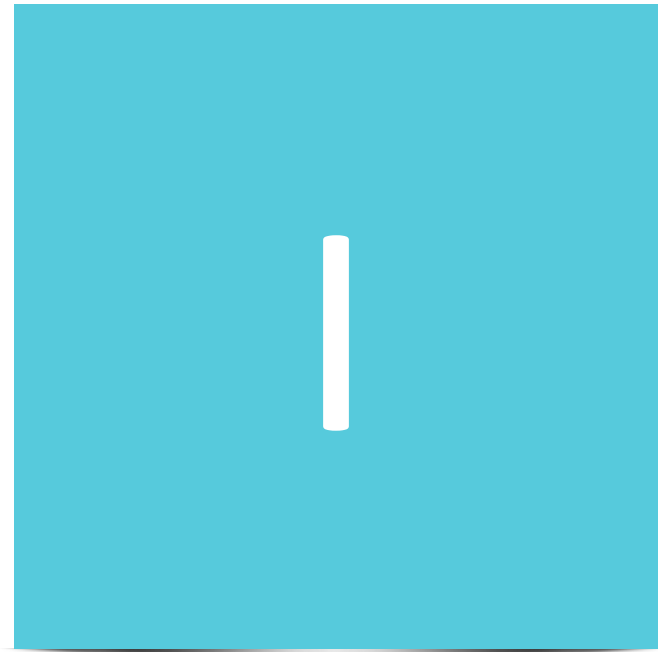
Top to bottom low latency redundant Fiber Optic Network, Switches and Servers.

## Self designed 20GB servers

Storage and Media delivery servers uniquely designed to efficiently serve media 24/7/365.

# OVIDIUS™ VIDEO PLATFORM (2<sup>nd</sup> Generation)

Extensible way to manage, orchestrate, publish, measure and monetize your content.



## Ingest Workflow

Pre-define as many ingest entry points and workflows as required. Ingest your video files into the appropriate entry point for **automated encoding**, **metadata generation**, subsequent **processing** - and media delivery.



## Video Encoding

Cloud-based video transcoding platform is capable of transcoding simultaneously many video files using **GPU/CPU** technology.

## HTML5 Video Player

Streaming of Live & On-Demand media over HTTP/S, to any HTML5 supported Platform to deliver **HLS / MPEG-DASH** and **CMAF** with extensive Video **monetization** capabilities



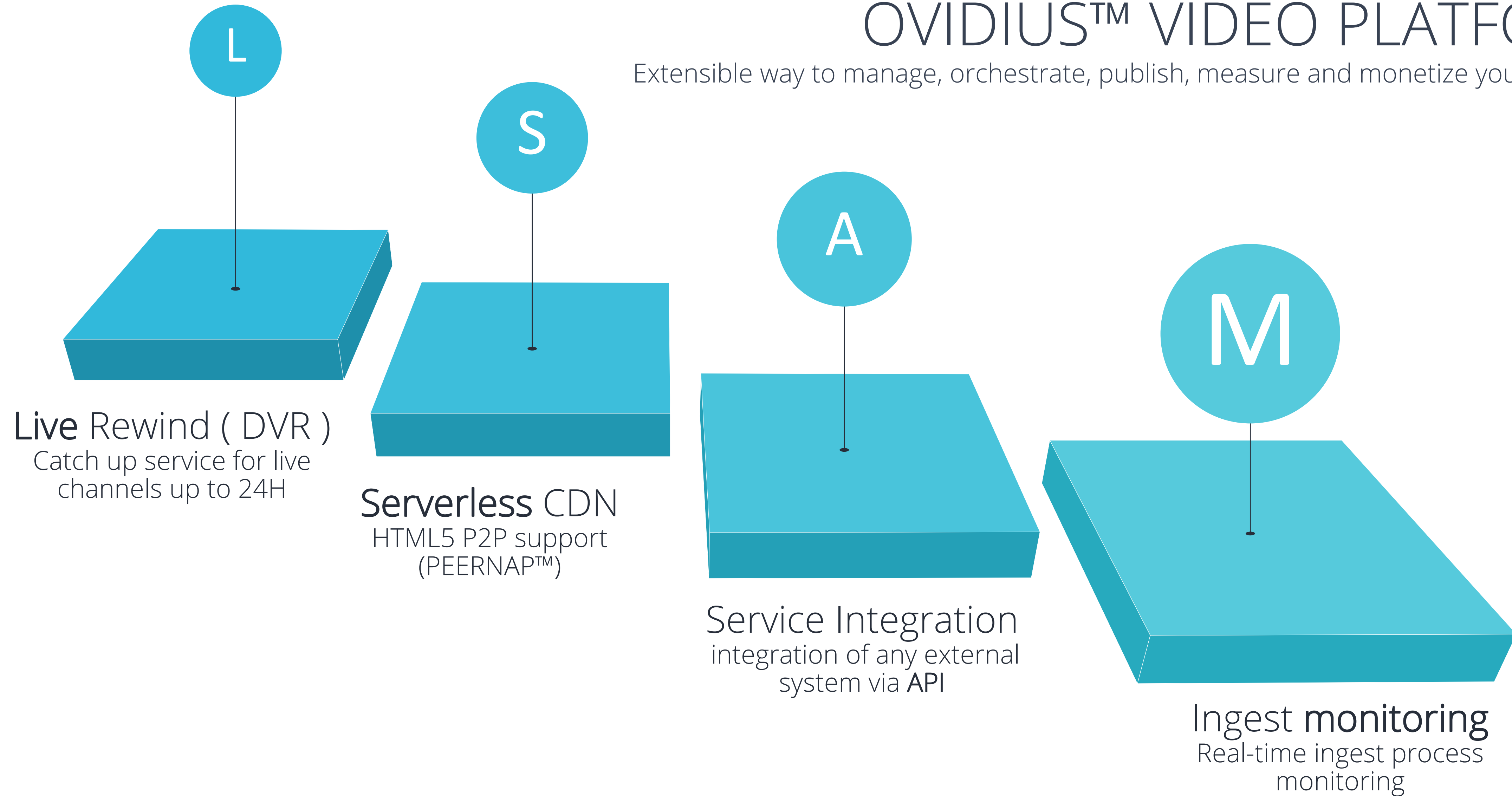
## Analytics

Powerful **Real-time** and **Reporting** System. Showing ranking of media clip views and live stream statistics.



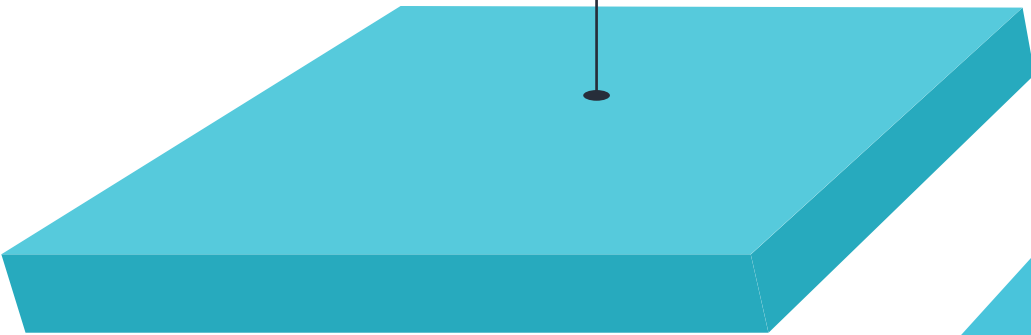
# OVIDIUS™ VIDEO PLATFORM

Extensible way to manage, orchestrate, publish, measure and monetize your content.

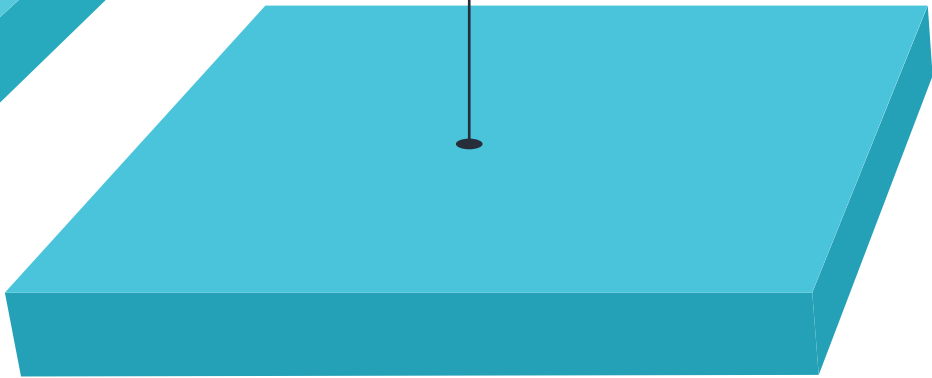


# OVIDIUS™ VIDEO PLATFORM

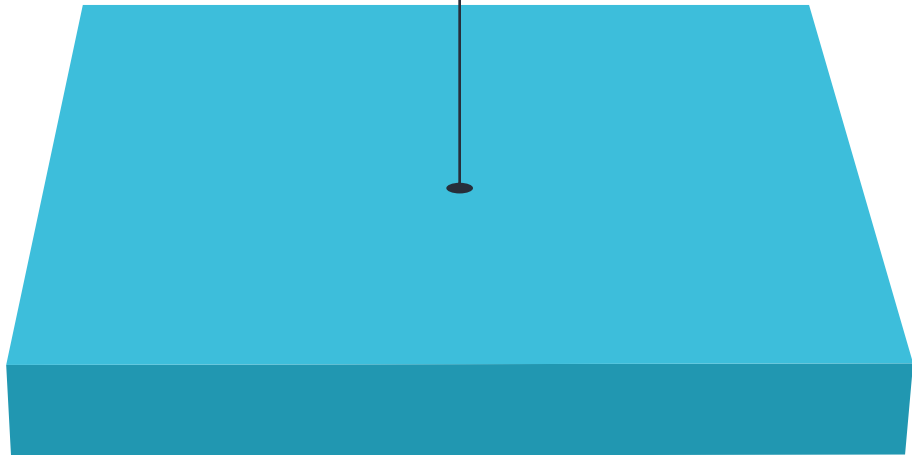
Unique Features



**Real-time & Historical**  
Live & VOD Analytics



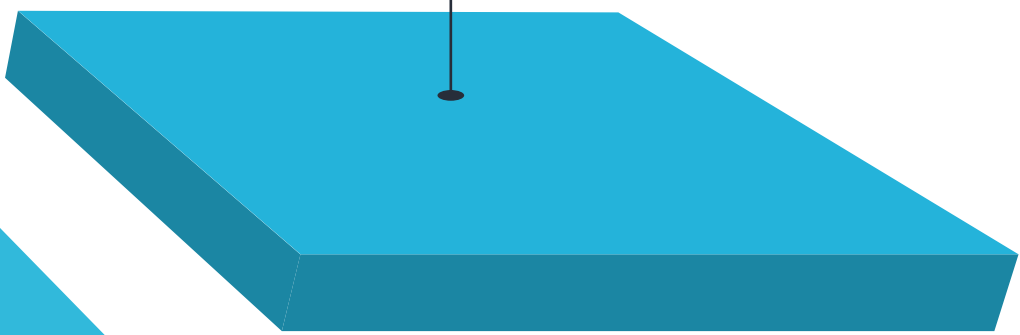
**PIP ( Picture in Picture)**  
Real-time live streaming push over  
VOD content .



**Monetization**  
Live & VOD Ad-Ingestion



**Multi platform Support**  
IOS, Android, Smart-TV,PC

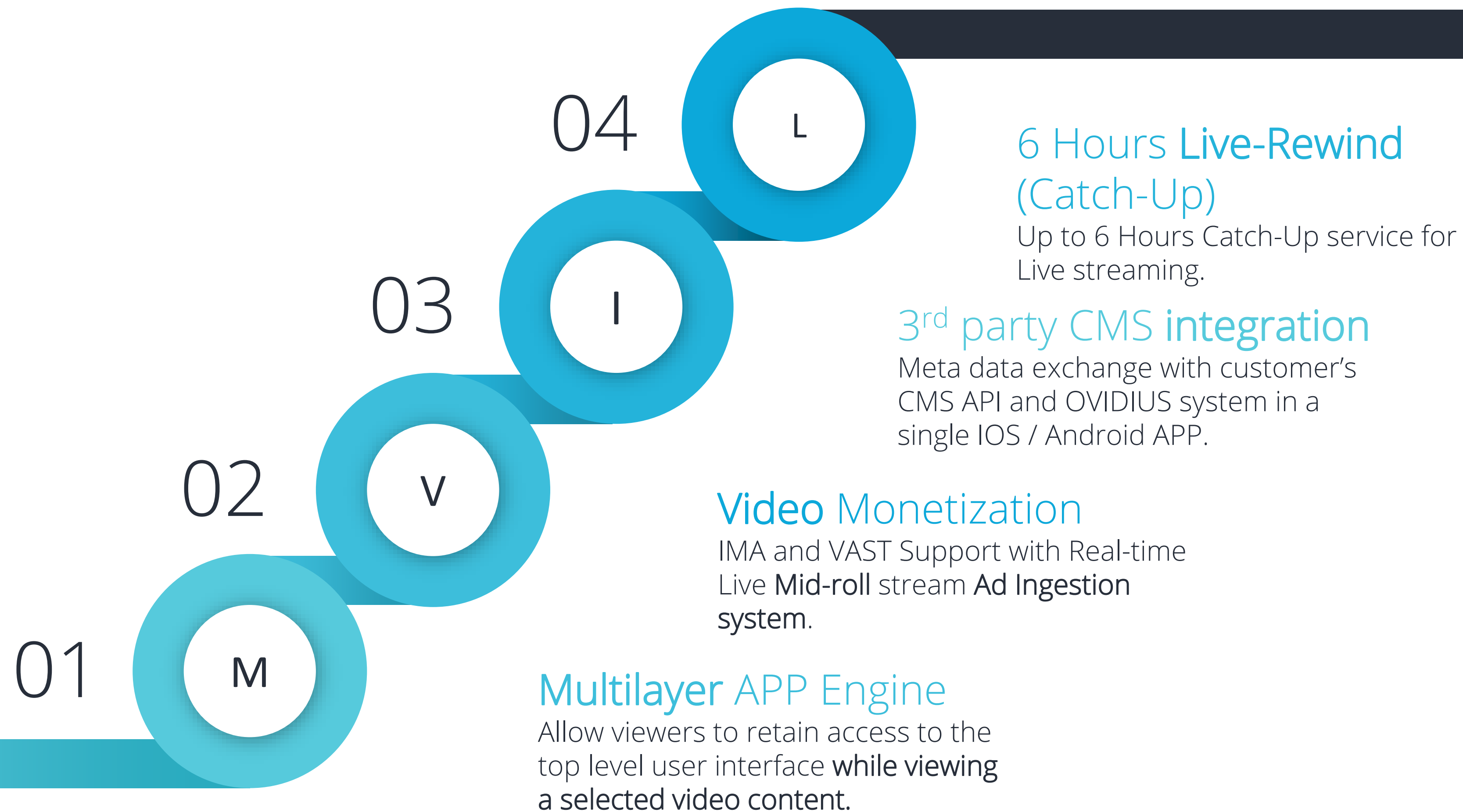


**Real-time Geo block**  
No browser refresh needed!



# Mobile APPs Support

IOS , Android , Smart-TVs.





# Programming Languages

Our expertise in client and server-side technologies

# CASTIME

BASH

100%

HTML5

100%

JavaScript (more than 30 JS libraries)

100%

CSS3

100%

ASP.NET Core

100%

C#

100%

C

100%

Java (IDEA, Android, Smart-TV )

100%

ASP.NET MVC

100%

Python

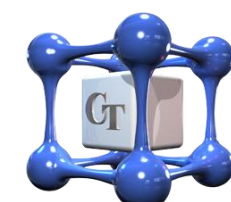
100%

NodeJS (more than 80 JS libraries)

100%

Swift (IOS , TVOS)

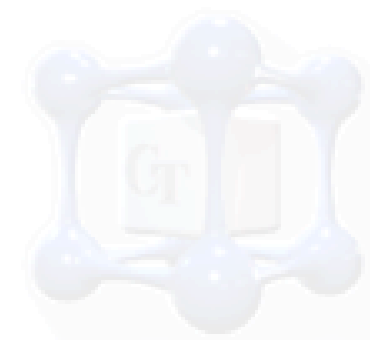
100%



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# CASTIME

Serverless Edge Caching CDN Technology

## PEERNAP™

CASTIME™ INTRODUCING

# PEERNAP™

## Serverless Peer-to-peer CDN NETWORK

- \* Offloads up to 95% of CDN bandwidth
- \* Increases your video delivery capacity (x40)
- \* Turn your existing scalable edge CDN into a P2P Mesh
- \* Generates Geo-based P2P Mesh CDN PoPs .
- \* Multi-sourced content delivery from CDN or P2P Mesh Network ( Multi-CDN support ) .

Traffic



Speed



737.1 MB  
TOTAL

676.2 MB  
P2P %91.7

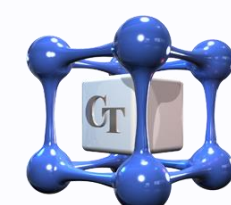
60.9 MB

507.7 MB

0.96 Mbit/s

0.9 Mbit/s

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# CASTIME

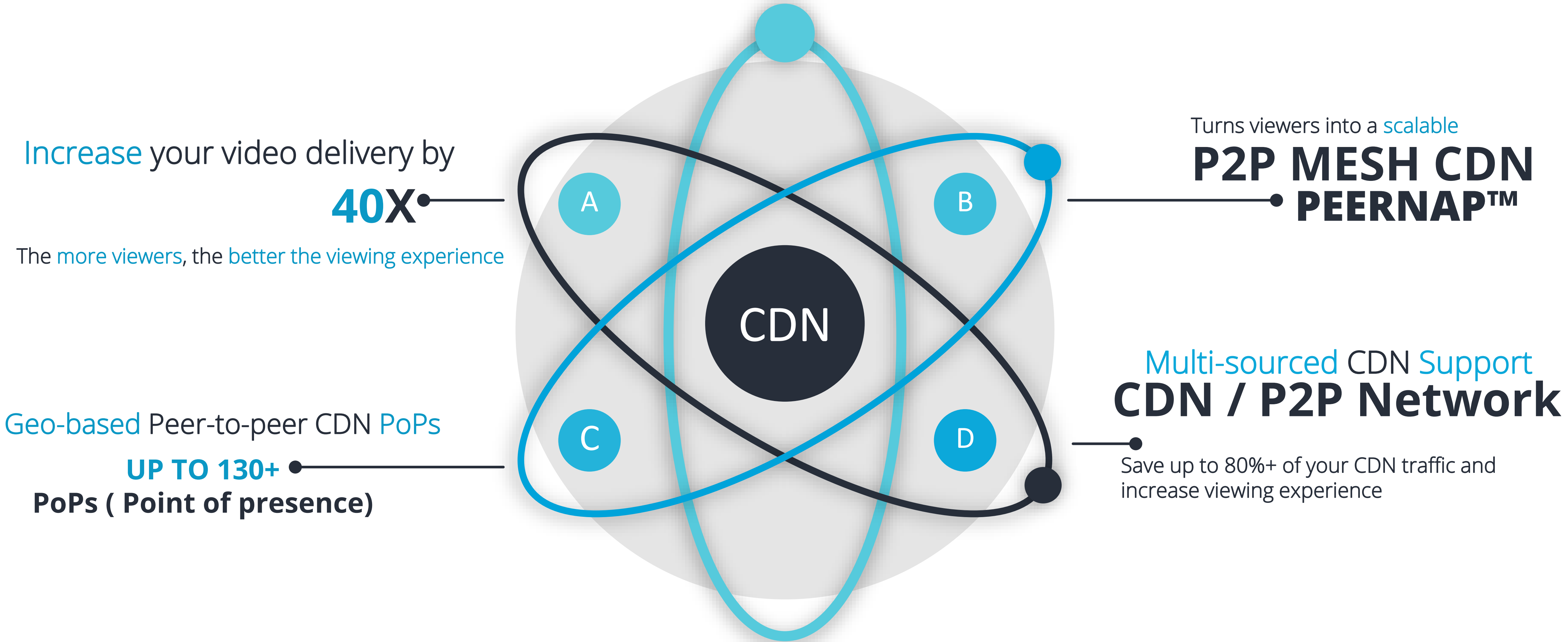


10



# Serverless Edge-caching CDN Technology

Next-Gen Media Delivery





# Advantages of **PEERNAP™**

## Serverless Peer-to-peer CDN NETWORK

### Improved Reliability

By distributing video content across multiple sources **PEERNAP™ P2P Multi-CDN module reduces** reliance on a traditional CDN servers and minimizes the risk of bandwidth bottlenecks .

01

02

### Enhanced Scalability

**PEERNAP™ P2P Mesh CDN** will **leverage** the collective bandwidth and processing power of viewers for **massively-scaled, high-quality streaming** . This will enable publishers to scale their video delivery to a larger audience without significant infrastructure investments.

### Cost Efficiency

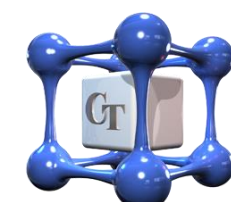
With **PEERNAP™**, publishers can significantly reduce their content delivery costs simply by leveraging end users devices for content distribution, the burden on traditional CDN infrastructure reduced dramatically which can lead to cost saving in traffic usage .

03

04

### Perfect Video Quality

**PEERNAP™** will **improve** the video quality and mostly the **video delivery experience** simply by multi sourcing the video from many sources and will reduce rebuffering time .



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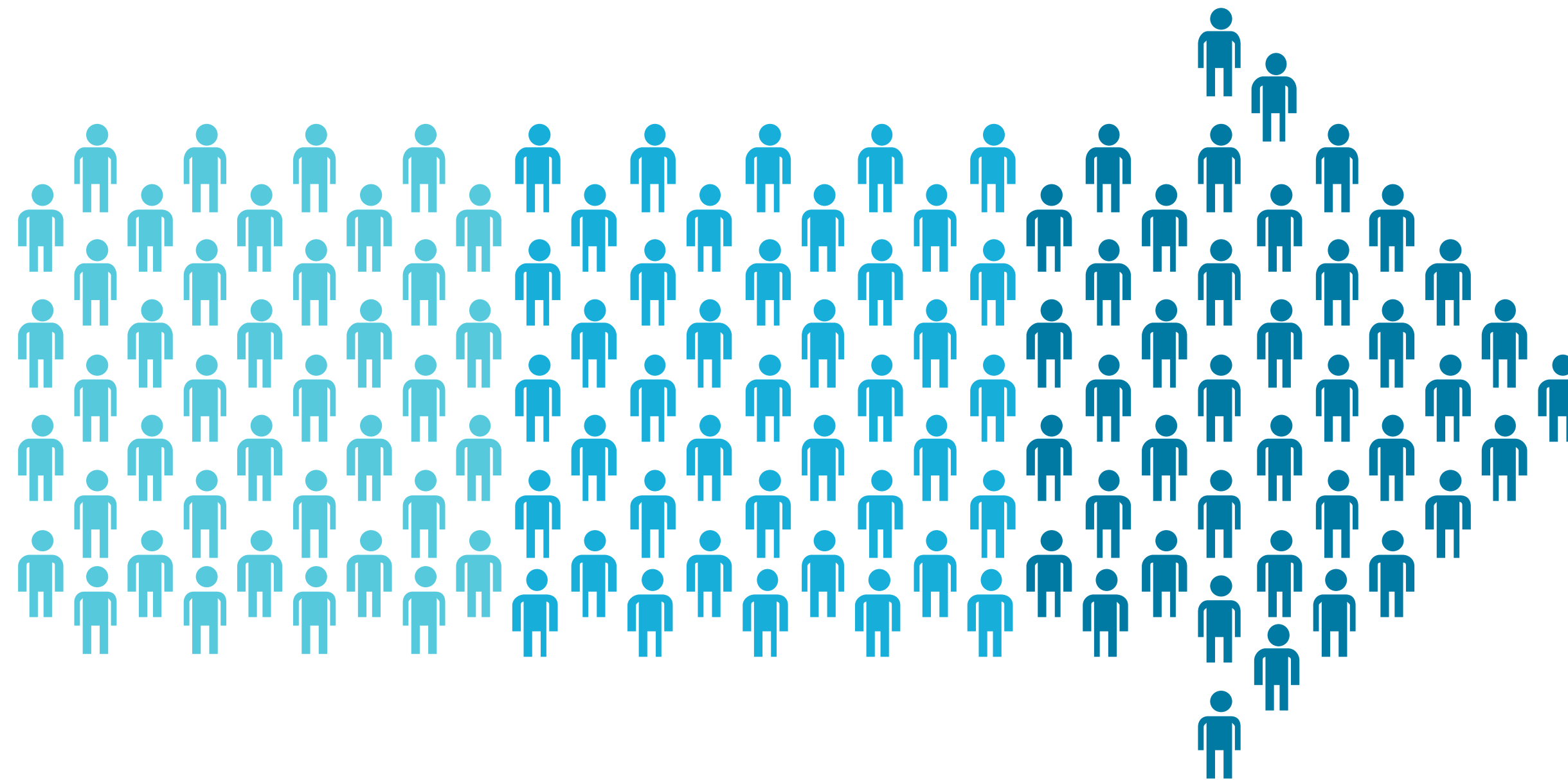




# Serverless CDN

Unlimited Scalable P2P Video CDN Network

Offloads up to  
**98%**  
of traditional Video  
CDN bandwidth



BOOST VIDEO  
DELIVERY  
**- 71%**  
REBUFFERING TIME

PEERNAP™ WebRTC-based  
peer-to-peer Video CDN  
Network

UP TO  
**99%**  
Higher video  
engagement

Decentralized CDN Network





WANT TO SEE IT IN  
ACTION ?  
Schedule a Product  
Demo