

Media MediaTech

Discussion Document

October 2022

Agenda

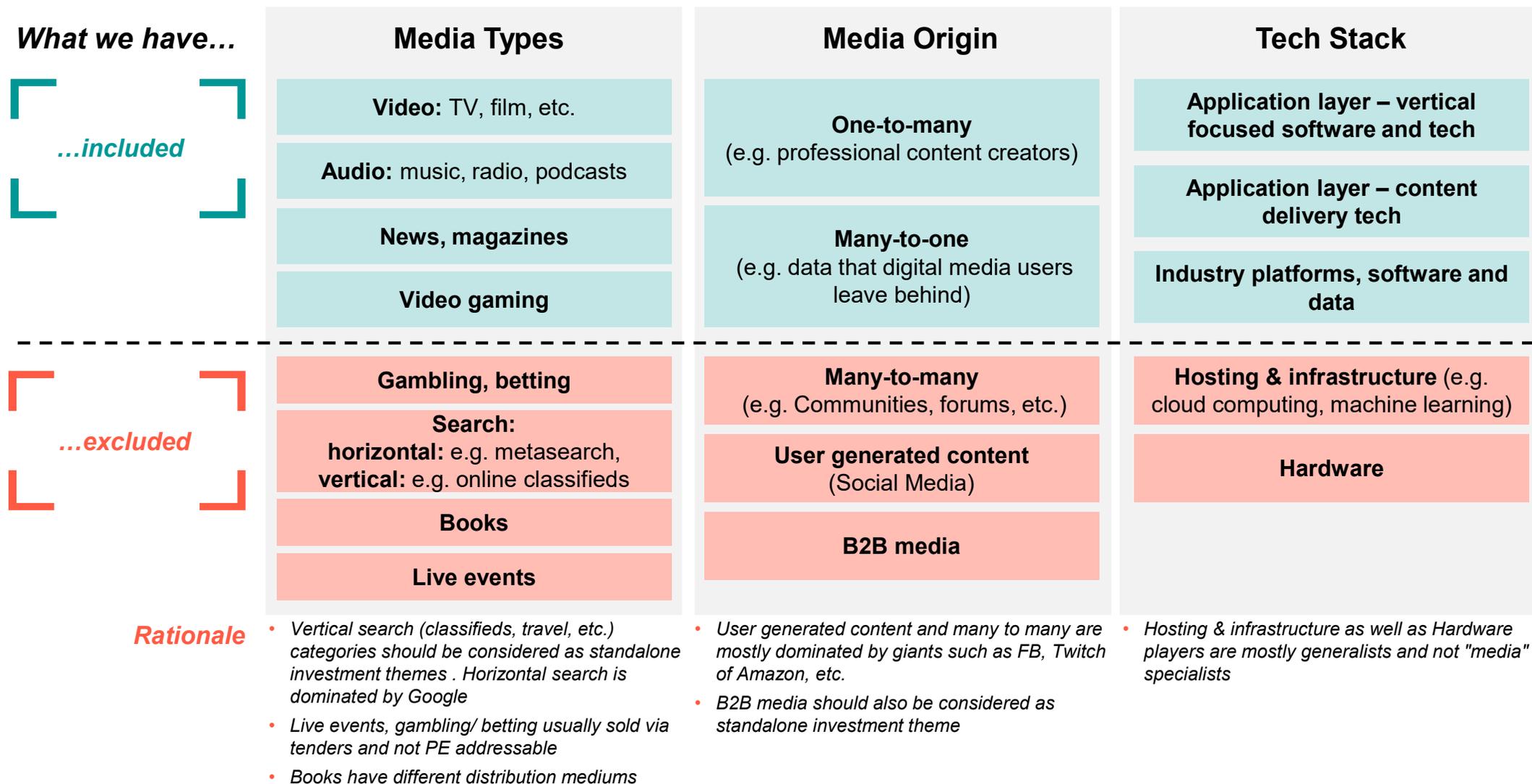
Introduction to MediaTech

OC&C Credentials



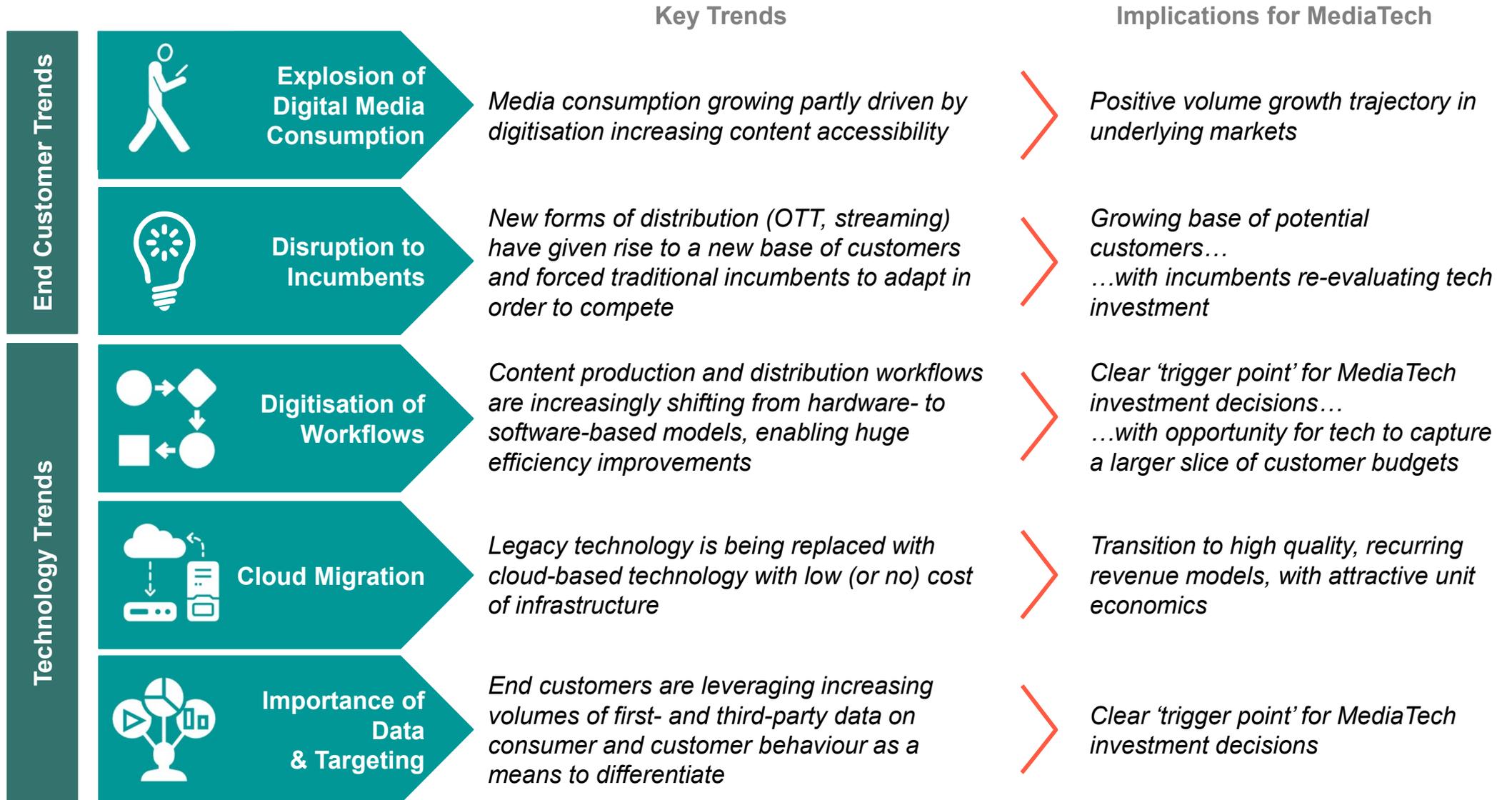
For this document we have narrowed the definition of “MediaTech” as follows

Our definition of “MediaTech”



At a high level (and to the extent that it is possible to generalise) MediaTech has a number of positive characteristics

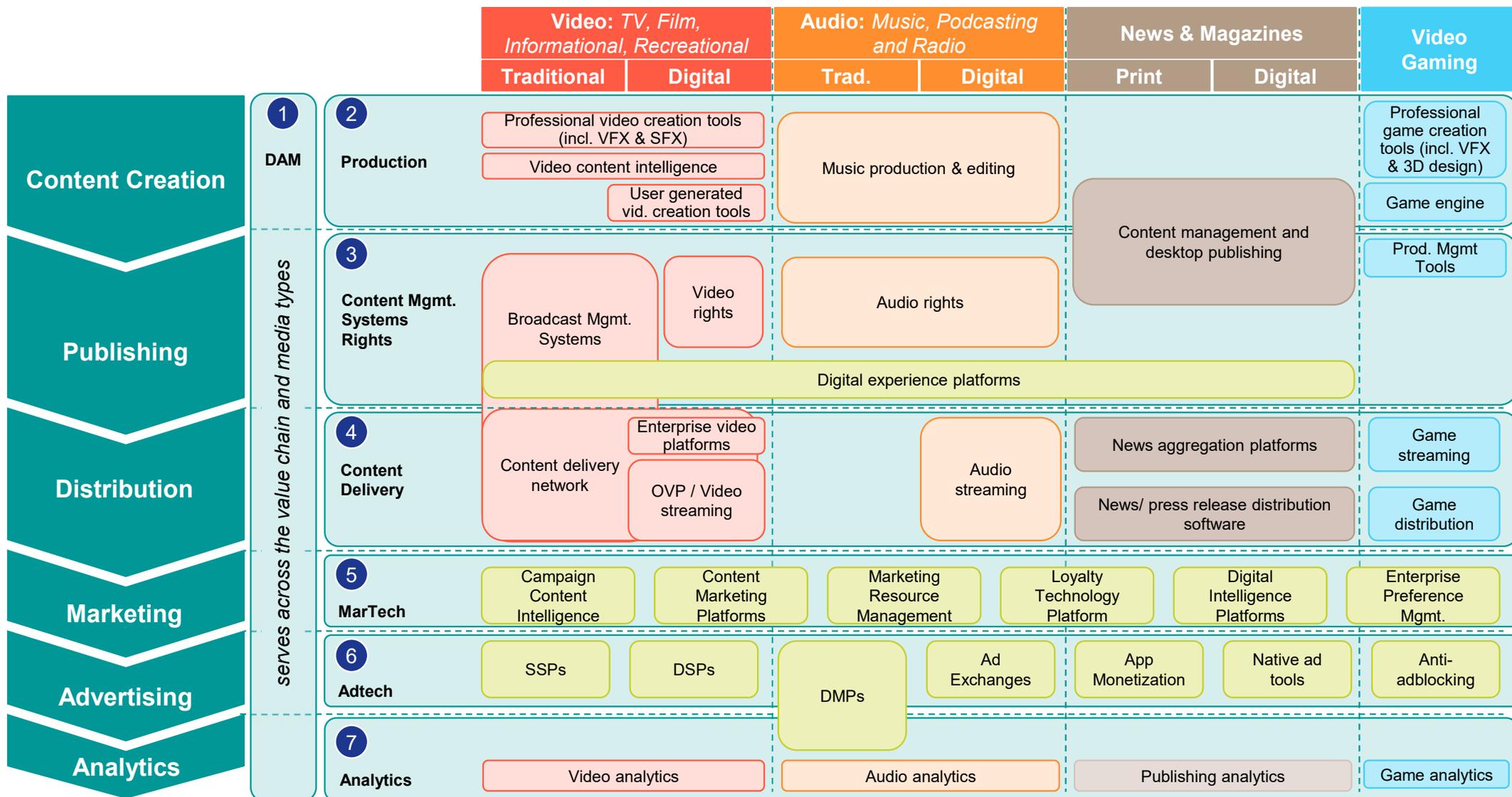
MediaTech Trends



The landscape is complex – technologies are often specific to different parts of the value chain and different media types

Technology Solutions across the Consumer Media Value Chain by Media Type

Not Exhaustive



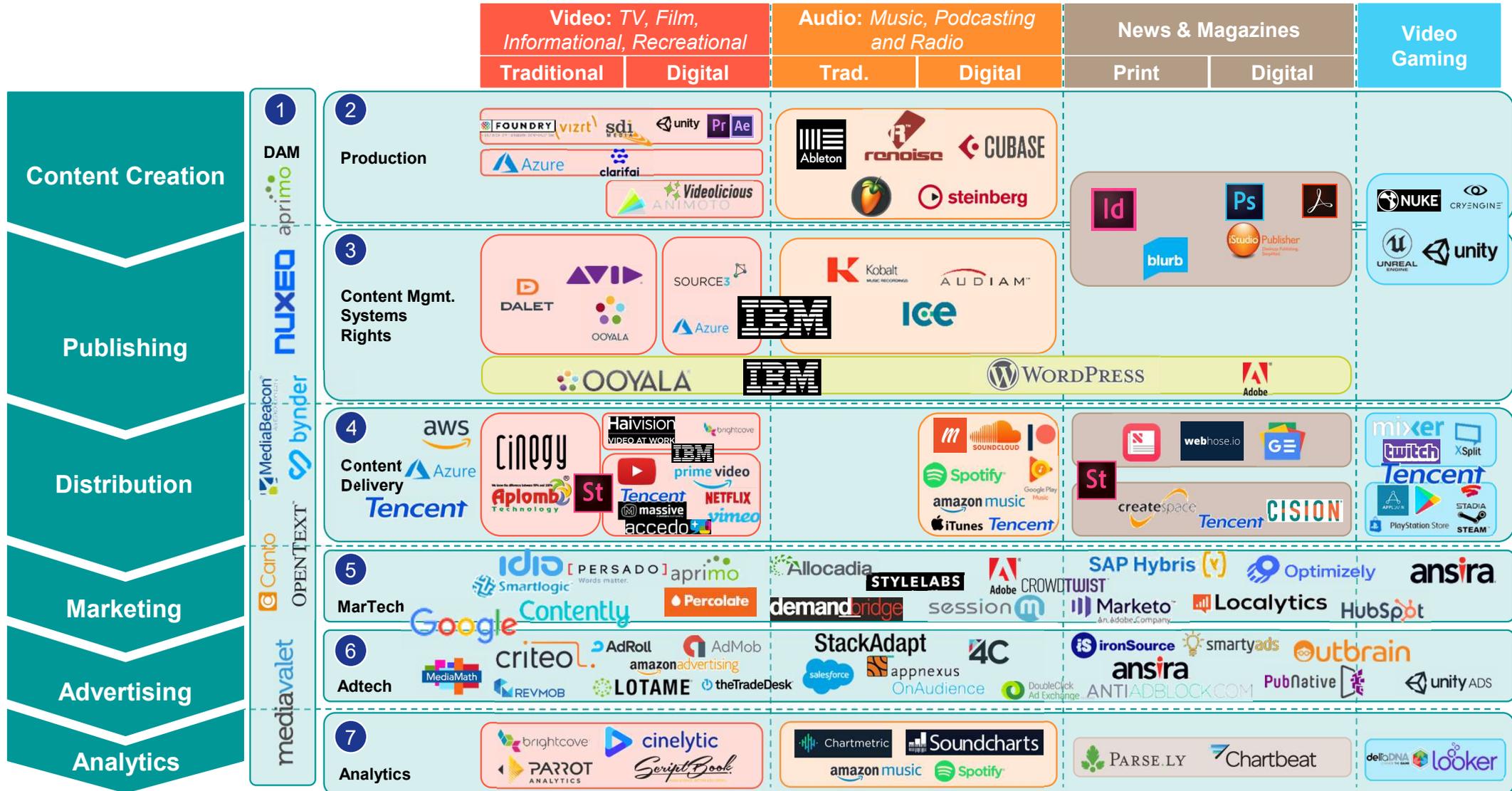
Source: Forrester, Desk research, OC&C analysis



Thousands of different propositions support this landscape

Tech Companies across the Value Chain

Not Exhaustive



Source: OC&C analysis



From a diligence perspective, deep understanding of the nuances of individual sub-segments is key

Sub-Segment Attractiveness – Video Tech Example Sub-Segments

Not Exhaustive – Example Sub-Segments Only

NB: Dot refers to Framework on page 6/7

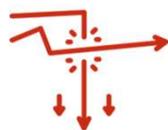
	 Large Market, Growing Demand	 Differentiated Tech	 Defensibility: Criticality & Stickiness	 Attractive Business Model Economics	 Visibility of Disruptive Threats	 Investible Assets	
2 Live Video Production	4-6% growth overall, with higher growth pockets around (eg) automation, software (vs hardware) propositions	Many specific tech niches (eg live GFX, studio automation)	Highly critical, integrated workflows, high cost of switching	Mixed; some high-margin SW players w/ licence + maintenance model	Key technology changes include use of gaming engines, shift to cloud; likely winners appear relatively clear	High asset availability (but some consolidation)	<p>High Attractiveness</p> <p>Attractive fundamentals: growing underlying markets with increased use of differentiated technology, attractive & scalable economics, defensible competitive positions</p> <p>Significant sub-segment nuances remain, eg positioning vs disruptive trends, differences in business model economics</p> <p>Mid-Attractiveness</p> <p>MAM: Economics can be challenging. Key diligence question re scalable platform vs services-led propositions</p>
2 Video Post-Production	c.8%pa growth amongst leading players	Many specific tech niches, with point solutions typically winning	High cost of switching; trained industry talent pool	High margin, licence + maintenance model (limited SaaS)	Visible technology changes include cloud shift, gaming engines, AI	High asset availability – given number of point solutions	
4 Video Content Delivery: OTT Services	High growth end-market (double digit growth)	Differentiated UI capabilities, but back-end tech more commoditised	High tech criticality, but re-rendering triggered by replatforming cycle	High margin SW revenue (some subscription), some lower margin PS	Key risk is in-housing by largest platforms (impact is measurable)	High # privately owned assets, incl. larger E2E / small point solutions	
3 Video Content Mgmt: Media Asset Mgmt Example	3-4% growth (ie positive, but low for media tech)	Some differentiation between players, but less so vs other segments	Highly sticky, given high level of customisation	Highly customised, prof. service heavy, reducing margin vs pure SW models	Cloud threat, but leading players investing in these capabilities and high stickiness provides defensibility	Assets exist across a range of size bands	



MediaTech companies face threats common for quickly evolving technology niches

Risks of investing in MediaTech

Some examples



Pace of tech disruption works both ways – disruptors can be disrupted!

- Rapid tech change creates a quick devaluation of existing technology and a lower willingness to pay premium
- Game engines and in-house real-time rendering solutions (eg Epic Games' Unreal Engine and Unity3D) are **disrupting and actively taking share of the front-end video processing process**



Controllers of data can “wall-off” adjacent companies

- Scale advantages that data provides (particularly in a world of AI models) benefit controllers of data who can use power to expand and block off competitors
- Google and Facebook have created ‘walled gardens’ that have left many AdTech companies competitively disadvantaged



Switch of broadcasters to build technologies internally

- In order to capture more value and reduce the leakage of revenue to suppliers and intermediaries, broadcasters are increasingly investing in technology internally
- **In 2018, Channel 4 announced it would allow advertisers to make programmatic purchases on BT's sports programming using a tech developed in-house in partnership with FreeWheel**



Incumbent customers are in jeopardy in some areas

- Many incumbents such as TV broadcasters have become **financially at risk, creating customer risk for MediaTech companies**
- Further, consolidation has increased buyer power and reduced the pool of customers – eg **Liberty Global's purchase of Virgin Media**



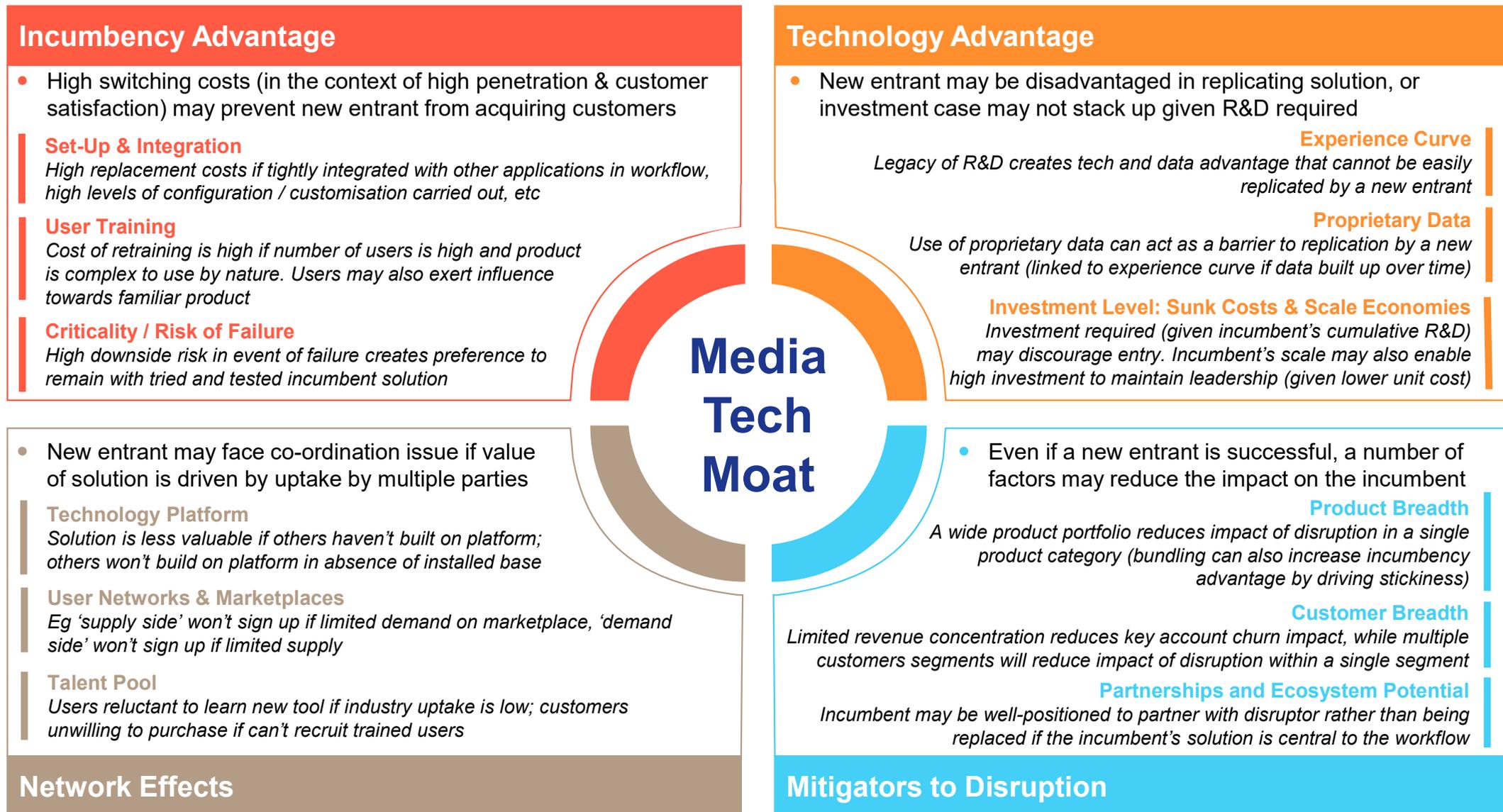
Some parts of the landscape are already mature with sky-high multiples

- Recent deals have experienced significant competition between equity investors, resulting in very high multiples
- **53% of the adtech deals** were realized with an average **revenue multiple of 3.0x and above** in 2017 while the comparables were around **1.5x** for public companies¹

1. Excluding social media and search advertising
Source: Company websites, Capital IQ, Desk research, OC&C analysis

It is therefore especially important to “dial up” specific areas of diligence and look for some key attributes which will make assets resilient

MediaTech Moat Framework



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OC&C Credentials



OC&C has vast experience across the Media and MediaTech landscape

Media & MediaTech Clients or Targets Reviewed

Not Exhaustive

	TV & Video	Publishing	Music	Advertising
Media				
MediaTech				



OC&C's work in MediaTech benefits from wider experience in vertical software

OC&C Vertical-Software Clients or Targets Reviewed

Not Exhaustive

Accountancy	Legal & Professional Services	Retail & Hospitality	Travel	Supply Chain, Logistics & Auto	Education	Construction & Proptech	Healthcare	Public Sector	Manufacturing & Industrials	Media & Marketing
 	<p>Legal</p> <p>Other PS</p> 	<p>Integrated ERP + POS</p> <p>POS Specialists</p> <p>Workforce Management & Labour</p> <p>Analytics & Logistics</p> 	 	<p>NEXUS Vehicle Rentals</p> 	 	 	 	<p>NEC Software Solutions</p> 	 	



OC&C's MediaTech team contacts



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「Thank you!」



OC&C
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uncommon sense