

#### Making The World's Video Accessible as Data

**Investor Presentation - April 2018** 

**ASX:LNU** 

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# Linius Is The Only Company That Can Virtualize Video

#### Why Do You Care?



Video "works", in the sense that we can watch video on the Internet.

But the entire rest of the world of data is virtualized — only video isn't. And the impact is that all of our computer science advances fail when it comes to video.

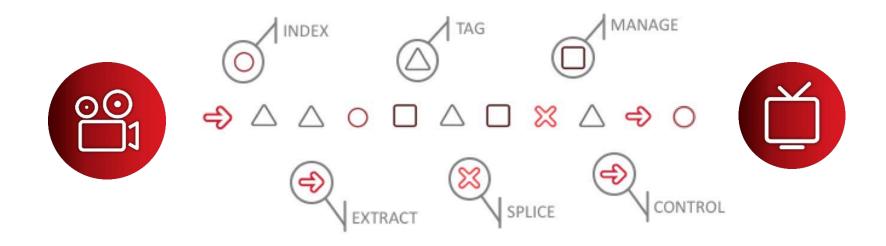
- ✓ Why can't I search across videos?
- ✓ Why do movies lose nearly 20% of revenue to piracy, when we do all of our banking online without issue?
- ✓ Why is < 0.3% of security video every analyzed?
  </p>
- √ The list goes on

Even though video is digital, legacy formats make it difficult or impossible to access the underlying data inherent in it

#### Making the World's Video Accessible as Data



The Linius Video Virtualization Engine™ (VVE) transforms traditional video files, into data (or virtualized files), enabling unprecedented capabilities, flexibility & monetization.

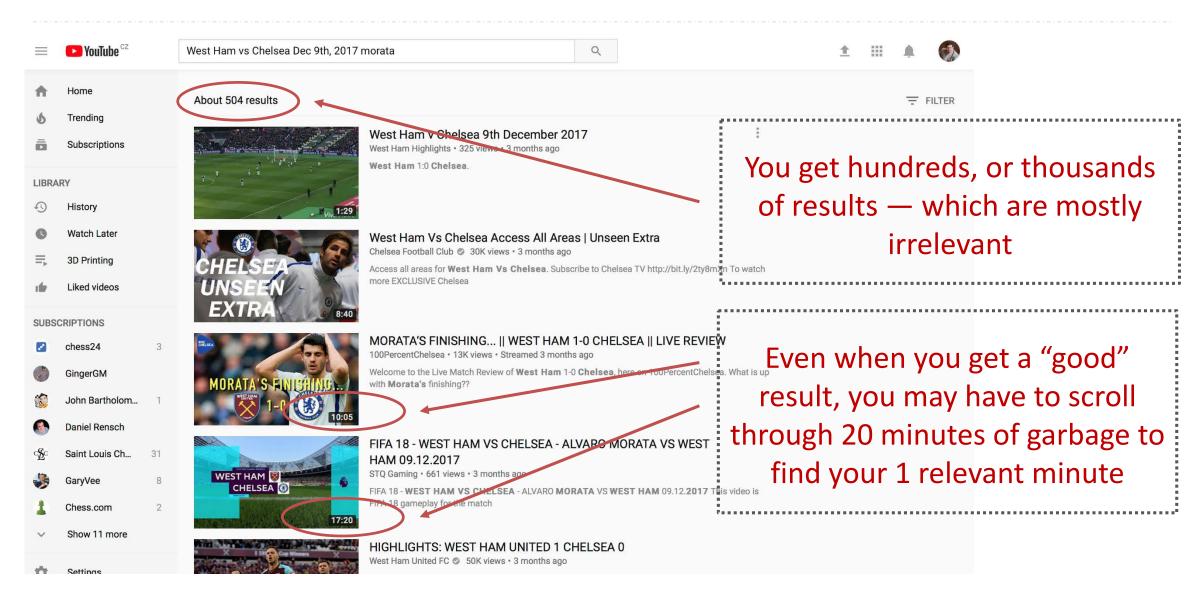


Accessing the data within the video file is the missing link for video cloud service providers, creating unparalleled value across the internet video industry.

# Even The Most Simple Example — Search — Demonstrates The Capability

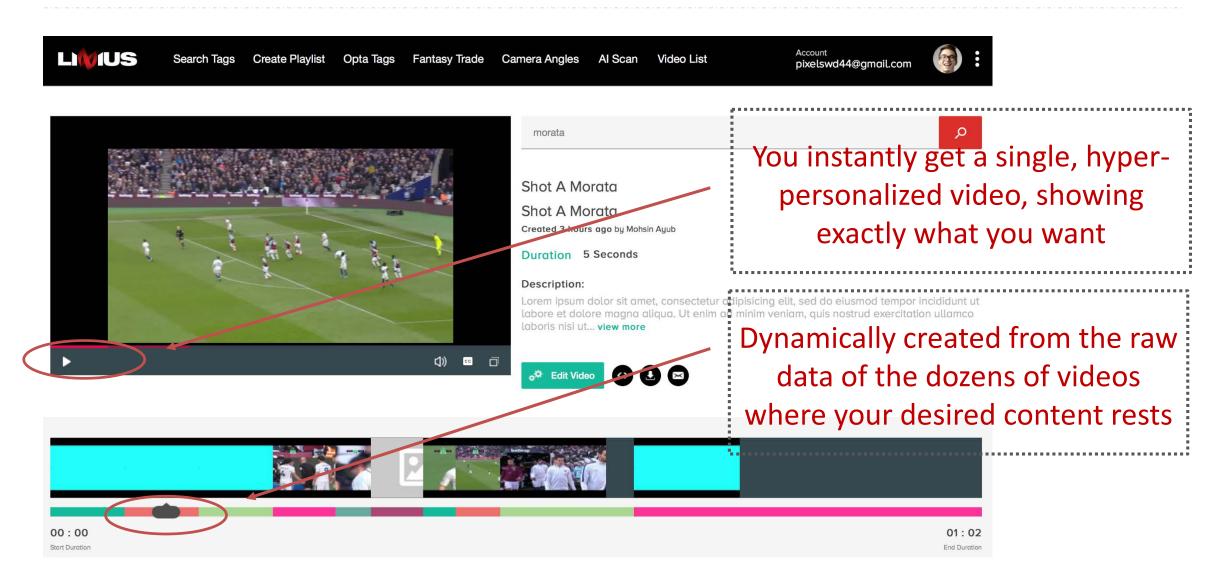
#### A Simple Example — Today





#### Same Example, with Linius





### But Virtualizing Video Offers Much More than This

#### Now Is The Time for Virtual Video



**Linius Owns the Virtualization of Video:** Linius invented, built and patented the world's only **Video Virtualization Engine™ (VVE)** 

#### **Large & Expanding Market:**

- Amazon, Microsoft & IBM are investing billions in video services (technologies) and artificial intelligence in the cloud
- It is arguably the biggest battle on the internet, given that **video will account** for over 82% of internet traffic by 2021
- Accessing the data within the video file is the missing link for video cloud service providers, creating unparalleled value across the internet video industry

#### **Linius Rapidly Scaling:**

- Linius is now available on Microsoft Azure, IBM Cloud and Amazon Web Services, providing the ability to scale across multiple platforms
- Linius, and others, are now building commercial products around Linius' VVE
- Clients are buying-in







#### Available as SaaS, in The Cloud, or on Premise













Top providers are racing to virtualize video services. Linius virtualizes the actual video, providing the missing link.

Linius VVE makes video accessible as data, for the first time. Video search & viewing will never be the same.

#### By All Measure, The Market Is Gigantic



#### **Hyper-Personalized Videos**

55% of people watch video online each day Market is growing at 20-40% pa

Snapchatters watch 10B videos a day

500M people watch video on Facebook everyday

YouTube - 5B video views per day

YouTube - 18% market share of video on internet

Conservatively ~ 10B video searches per day

#### **Security and Defense**

Video surveillance is a \$40B market
72M hours (822 years) of video acquired per day
Video surveillance is 20% of UK's criminal justice budget

Only 0.2% of all US federal video footage is ever viewed - it would take 7 million analysts to accomplish

#### **Content Protection**

Film piracy costs the US economy \$20.5B per year 100B visits to pirate sites per year 432M internet users regularly pirate content In 2016, peer-to-peer distributors were responsible for 5.4B downloads of pirated wide-release films

#### **Personalized Ads**

The US TV advertising market revenues of \$90B pa Total # of ads viewed ~9 - 12 trillion pa, in the US 225M consumers are active users of Ad Blockers With Linius, Ad Blockers do not work, saving this revenue

### In all cases, Linius is paid per "view"

#### Linius Owns the Virtualization of Video



- ✓ Fully granted core patents in: US, EU, Canada, S. Korea, PRC, Hong Kong, Singapore, and Australia
- ✓ Filing new patents in line with our commercialisation strategy:
  - 3 continuation patents granted in US
  - multiple patents pending
  - plan to continue expanding our IP protection

Point competitors exist in individual segments, but no one else can virtualize video today.

## Linius Has a 3-Pronged Strategy to Dominate The Space

- 1. Direct Sales for Strategic POCs
- 2. Global Partners to Commercialize
- 3. SaaS to Enable Future Innovation

#### The World's Video is Going to Be Data: We're Doing It



Linius is aggressively targeting the largest brands and content libraries, and current commercial success includes announced trials and proofs of concept with Oklahoma State University, Warner Bros., Village Roadshow, and MediaAMP.

#### **Hyper Personalized Content Experiences**

- News
- Sports
- Corporate Communication
- Education

#### **Content Security**

SaaS

**Blockchain** 





Strategic POCs in Process





Strategic POCs in Process

In trials with select engineers and partners

Strategy announced, in development

#### **Strategic Partnerships**



- 1. Linius can sell established IBM Cloud products integrated with VVE to speed delivery time for customers
- 2. IBM can sell Linius VVE, enabling new revenue opportunities across all four target verticals (Search, Security and Defense, Anti-Piracy & Personalized Ads)



#### The IBM Partnership Provides:

- ✓ A market model that matches our clients' needs: cloud, private, hybrid-cloud
- ✓ Proven Bluemix applications
- ✓ Validation of Linius and also execution resources
- ✓ Over 300,000 employees to help go to market in the large enterprise
- ✓ An existing client base that includes the "who's who" of Linius' prospects
- ✓ IBM is a world leader in blockchain technology Linius' technology makes what IBM has even better
- ✓ IBM Watson is a world-leading cognitive AI Linius monetizes this intelligence to create hyper-personalized video experiences in search, personalized advertising and security and defense applications



#### Our Announced Goals and Path to Success: The Last 6 Months



In September, 2017, Linius announced 11 Near Term Goals. To date, we've complete 7, and three more are imminent

- ✓ Deliver the integration of VVE into IBM's Cloud (Oct. 2017)
- ✓ Deliver the integration of VVE with at least one world leading Over The Top (OTT\*) platform (Oct. 2017)
- ✓ Engage with a global movie studio to develop Proof of Value (POV) in anti-piracy (Oct. 2017).
- ✓ Deliver the integration of VVE into Microsoft Azure (Dec. 2017)
- ✓ Deliver blockchain strategy and solution design (Dec. 2017)
- ✓ Deliver the integration of VVE with at least one cognitive AI provider (Dec 2017)
- ✓ Engage with a global movie studio to develop a mass content distribution POV (Feb 2018).
- Deliver an end to end piracy solution with a movie studio
- ☐ Deliver POC (proof of concept) of Search in a global cloud environment
- Convert initial deal flow with IBM
- Integrate with major OTT ad servers

Of the remaining four goals, the two deliveries are tied to already announced POCs in process, and conversion of IBM deal flow is imminent. Integration with ad servers was replaced by management in favor of launching a SaaS version of the software, which is currently in closed beta.

<sup>\*</sup> OTT – a broadcaster that broadcasts over the public internet

#### The Next 3-6 Months: Near Term Goals



Previous goals were based on scaling the penetration of virtual video, and moving the company towards revenue. With this updated set of goals, Linius expects to continue with its business scaling efforts, but also start generating revenue:

- □ Deliver an end to end piracy solution with a movie studio (target Q2 2018)
- Deliver POC (proof of concept) of Search in a global cloud environment (target May 2018)
- Convert initial deal flow with IBM (target Q2 2018)
- Sign an education-sector reseller
- Close 2 revenue-generating deals in the education sector
- Close 2 revenue-generating deals in the sports sector
- Sign a second (beyond IBM) global "name" partner
- Close 2 revenue-generating deals (other than the two named above)
- Integrate IBM search capability



### The Company

### Great People in A Great Financial Position

#### A World-Class Video Commercial Team





CHRIS RICHARDSON
Executive Director and CEO

Chris is an accomplished internet video executive with more than 20 years of experience leading tech companies in the US, Europe and Asia. Since 2010 has held GM level roles in public and private video technology companies globally, after spending 10 years in Silicon Valley leading product management for VC funded startups.



**KEN RUCK**EVP, Personalized Ads

Ken has scaled both start-up and large media companies, with rich experience in video, digital media, and AI; most recently as Chief Innovation Officer for Kodak. Previous roles include Head of Wireless MTV, VP Global Digital Jim Henson, Global New Products for Turner, and GM of Content for Virgin Mobile. Ken also was on the founding team of successful start ups Oberon Media (\$800 mil valuation,) Flash Networks, cPulse and Hemisphere Interactive.



KEVIN KYER EVP, Search

Kevin has worked in the digital space for almost 20 years, building advertising businesses across the globe. Most recently, he drove the growth of Listglobally, a global real estate advertising site in over 50 countries. Prior to that, he spent 10 years at Yahoo. His tenure there saw him participate in the building of Yahoo's search platform, lead the turnaround of it's European division, implement a strategic partnership with Microsoft. Prior to Yahoo Kevin held various marketing business development roles for digital economy businesses.



**TOM SLOWE**EVP, Security and Defense

Tom has worked in disruptive AI based technologies for over the last 20 years. An expert in machine learning as applied to video & other big data, he leverages his technical development business background to achieve deep product/market fit. Prior to Linius, he held a number of executive and founding positions where he was responsible for providing products and services to Fortune 500 companies in Retail, Advertising, Broadcast, Social, the US Intelligence Community (IC) and Department of Defense (DoD). Tom received his BSEE from Rutgers University and MS from MIT Media Laboratory.



PETER COHEN EVP, Anti-Piracy

Peter has been a senior media and entertainment executive in multiplatform content production, programming and distribution. He has worked as VP Sales/Marketing at HBO, SVP Distribution CNN International, SVP MuchMusic USA, Sr. EVP Content/Digital Billboardlive, and SVP Programming at MTV/The Box Music Network. Most recently he was Head of **Business** Experience Development for Proximity, a leading mobile AR/VR company in Los Angeles.

#### **Share Metrics (ASX:LNU)**

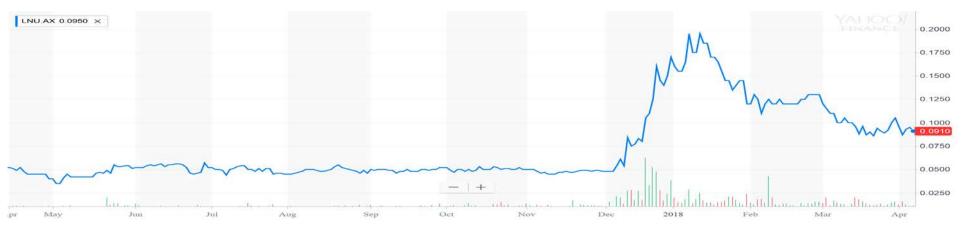


| <u>Linius Technologies Limited</u>   |                 |
|--|-----------------|
| Share Price (as of 6th Apr 2018)   | A\$0.095        |
| Market Cap   | A\$86.7m        |
| Listed Shares<br>Listed Options - A\$0.16 Exp Sept 2019  | 507.2m<br>50.6m |
| <ul> <li>Unlisted Options</li> <li>61.5m A\$0.05 Exp Mar 2019</li> <li>11.5m A\$0.045 Exp Nov 2019</li> <li>64.0m A\$0.075 Exp May 2019</li> <li>13.5m A\$0.07-A\$0.085 Exp Dec 2019</li> <li>10m A\$0.22 Exp Sept 2019</li> <li>5.75m A\$0.045-A\$0.05 Exp June 2021</li> </ul> | 151.2m          |
| Total Shares on Issue  | 912.4m          |
| % Ownership of Management  | 7.5%            |

#### **Capital Markets Highlights**

- Listed on ASX May 2016
- Raised A\$3.5m (5 cents/share) in March 2016
- Raised A\$0.5m (5 cents/share) in Sept 2016 through placement to key industry player
- Raised A\$1.5m (5 cents/share) with strategic investment from Village Roadshow in July 2017
- Raised A\$4.5m (5 cents/share) Oct 2017 in placement to sophisticated investors
- Raised A\$0.8m in Dec'17/Jan'18 to date via exercise of options by holders of 7.5cent options
- Raised A\$9.75m (12 cents/share) Feb 2018 in placement to sophisticated investors.

#### 52-Week Price Chart (range A\$0.04-0.21)





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