

What is Veritaseum?

What is Veritaseum Offering?

Veritaseum's Centralized Solutions

Veritaseum's Distributed Solutions

What is Veritaseum?

Veritaseum builds blockchain-based, peer-to-peer capital markets as software on a global scale. We are taking a wide swath of assets and exposures and placing them on the blockchain as autonomous software that seamlessly connects to parties without the need for a 3rd or authoritarian interest.. Any entity with internet access can participate in these capital markets on a peer-to-peer, over-the-counter, and one-on-one basis.

Points of Successful Attack Needed to Compromise the Network

What is Veritaseum Offering?

One

Veritaseum software will have two major components - centralized and distributed.

Legacy Systems Private Blockchains Veritaseum Centralized Decentralized Distributed

This is an informational paper and it, nor any of its addendums, should be considered a solicitation - general or otherwise - for the sale of securities or investments. VeApps: the smart contract-based suite of distributed software applications facilitate peer-to-peer, over-the-counter transactions between two consenting parties, and are not designed to be used as a securities or investment exchange.

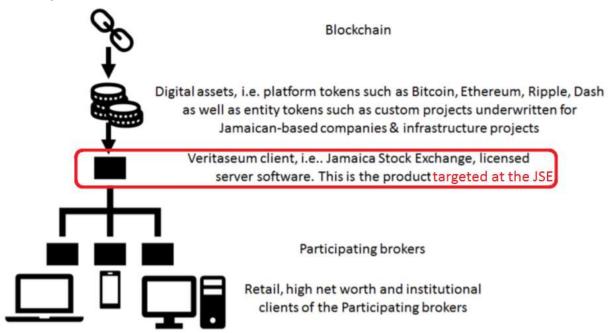
Several

100s of thousands



Veritaseum's Centralized Solutions

The centralized software platform is designed to cater to existing institutions that are not prepared to take the full leap into distributed capital markets systems. It will run on servers under the control of the client, ie. the Jamaica Stock Exchange, if they were to enter into a formal agreement with Veritaseum.



A drilldown of the Veritaseum centralized solution for legacy institutions reveals two components:

- A centralized digital asset exchange designed to be used by an exchange or prime brokerage entity
- 2. A "smart arbitrage" software component designed to provide cross platform liquidity. An example would be an exchange, i.e. JSE, employs the centralized solution above to trade popular platform-based digital assets such as Bitcoin, Ethereum, Dash and Ripple as well as USD and Jamaican dollars (JMD). The Veritaseum "smart arbitrage" liquidity component determines that the path through USD to JMD to Ethereum to Bitcoin yields a 20bp pricing advantage over the straight purchase of BTC with USD.

Veritaseum's Distributed Solutions

Our distributed solutions utilize a very unique approach that is research and analysis-based. Forensic, fundamental and macro analysis are the building blocks of the design of various Veritas (the Veritaseum software keys needed to access our financial machines) sub-tokens created to serve very specific purposes.

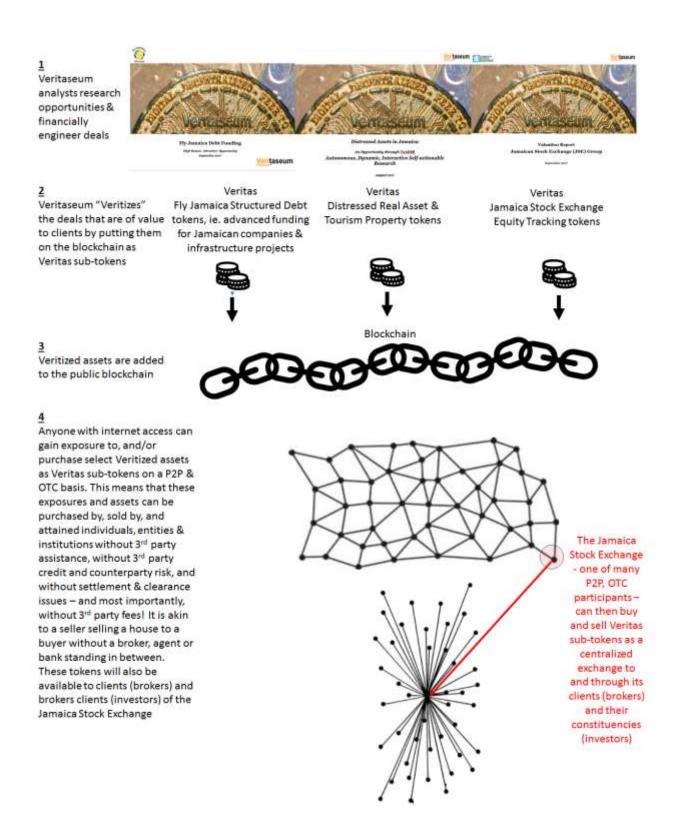
The Veritas sub-token creation process:

1. Goals are communicated to the Veritaseum team by the Veritaseum client/customer



- Veritaseum financial analysts, macro strategists and financial engineers create a construct and analytical framework that supports said construct, along with the fundamental and macro research that facilitates the construct.
- 3. The financial construct is passed on to the Veritaseum software developers and engineers to create the software token and the smart contracts that support the business processes and logic espoused in the construct through the financial analysis.
- 4. The software token is issued directly to the Veritaseum customer for direct P2P, OTC transfer (again, the Jamaica Stock Exchange makes a perfect prospective client) or to hold and/or through the appropriate financial machine, ie. the VeADIR.





Our autonomous products and services sit above the centralized offerings that are designed to ease legacy institutions into the new digitally distributed paradigm. Nearly all of them are ensconced within our research and analysis, which acts as the basis for the creation of the input to the financial machines.



Ideas that are believed to be of value are "veritized", converted into Veritas sub-tokens, and entered into our financial machines. The first financial machine to released is the VeADIR (Veritaseum Autonomous, Dynamic, Interactive Research).

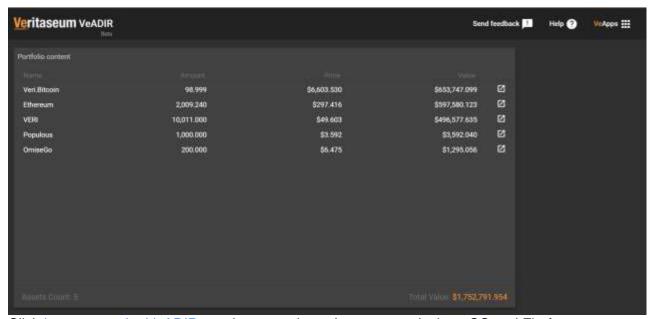


The VeADIR is a suite of roughly one dozen smart contracts which drive software applications that are mostly fully distributed and live on the public blockchain. Currently, it consists of about 2300 lines of efficiently written solidity code, and about 800 lines or so of GUI and supporting code. The VeADIR is in rapid development, with several parts currently undergoing public and private beta testing.

Each major function of VeADIR is compartmentalized.

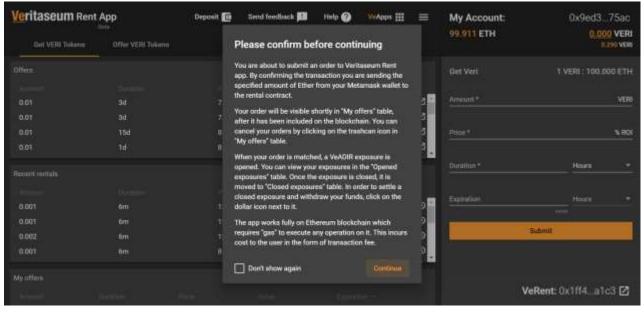
1. **VeADIR**: An autonomous software construct and Financial Machine that exists to gain exposure to assets and opportunities that allow it to grow its asset base through positive risk adjusted returns. All asset exposure acquisitions are research driven.



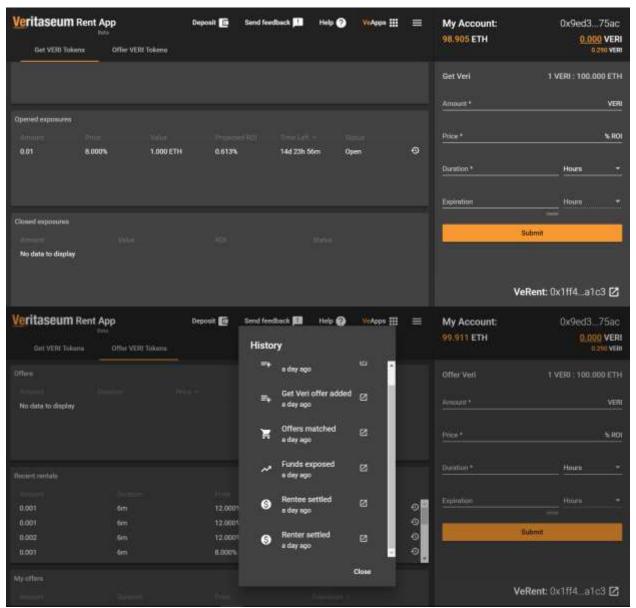


Click <u>here to see the VeADIR</u> running on mainnet (must use a desktop OS and Firefox, Chrome or Safari).

 VeRent: An interface and facility that allows exposure seekers and buyers to acquire or rent Veritas tokens, which are needed to access the Veritaseum Financial Machines, namely the VeADIR software suite.







Click <u>here to see VeRent</u> running on mainnet (must use a desktop OS and Firefox, Chrome or Safari).

3. **VeTokenization**: An automated facility that spins up a custom Veritas sub-token whenever presented with an asset, opportunity or exposure by the VeADIR.

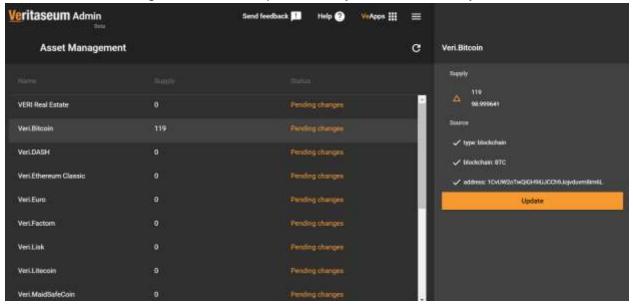


Symbol	Name	Description	Asset type		Current supply	Requested supply					
VERI.BTC	Veri.Bitcoin	Veri tokenized Bitcoin	blockshain	+	119	115	blockchain	+	BTC	address	+ 1CVLWQoTwQiGH9I
VERI,XMR	Veri Manero		blocksham	- 10	.0		blockchain	-	XMR	viewKey	6470768106e9d5 nev
VERI DASH	Veri.DASH		blockchain	+	.0		blockchain	-	DASH	address	Xjcx7Bt2MwD4N lot
VERI.XRP	Veri.Füpple		blockcham	T	.0	1	blockchain	-	XRP	address	rsyRMB/TbN/Byv cod
VERILITC:	Verl.Litectin		blockdwin	+	0		blockchain		LTC	address	LXRJJNJFokoY1
VERI.ETC	Veri.Ethereum Class	ic	blockchain	+	.0		blockchain	-	ETC	address	0x06936/4495FF
VERI.XEM	Vori.NEM		blockchain	+	0		blockchain	-	XEM	address	NAYLIEKOEDES
VERI.MAID	Veri.MaidSafeCoin		blockchain	+	0		blockchain		MAID	address	1P)g628v/MLBvA
VERIZEC	Ven Zoash		blocktham	+	0		blockchain	-	ZEC	address	HWRYt2Y1aCK
VERI, STEEM	Veri.Steem		blockchain	+	0		blockchain		STEEM	address	vori
VERI,LSK	VertiLisk		blockchain	+	0		blockchain	-	LSK	address	47681182323385 ond
VERI.FCT	Veri.Factorn		blockchain	+	- 0		blockchain	-	FCT	address	FA2XXX8e4pdXpe
VERLEUR	Vert.Euro		flat	+	0)				
VERI.GBP	Veri.Pound		Set	+	0	(
VERI.CNY	Veri. Yuan		500	+	0						
VERI.Estate	VERI Real Estate		real estate	+	0		address		úl. Konopnickiej	country	Poland:

4. VeExposure: A facility that allows those who have gained access to the VeADIR through possession of the Financial Machine's access keys (VERI) to gain access to the exposures held therein.



5. VeManagement: An administrative interface to manage exposures while the VeADIR software suite learns, grows, and develops into a fully autonomous entity.



The following describes a material part of the solutions that we are offering institutions during the 4th quarter of 2017. Please be aware that this is an institutional, P2P and OTC product, akin



to a real estate purchase between two institutions. It is not intended to be a security nor an exchange. The VeADIR is the product that was demonstrated to the Jamaica Stock Exchange.

VeADIR is a interactive, digital **research vehicle that offers exposures to its vetted research subjects.** The research takes advantage of distributed ledger (blockchain) and smart contract technology in that it can be both dynamic and applied. This means the research can and will be actionable by this independent construct in near real time. VeADIR is independent from Veritaseum in manner and action. As such, it **makes decisions separate and apart from Veritaseum** or other entities and it must be considered autonomous and sovereign in its actions and existence.

Communication is performed in machine language to and from the VeADIR summarizing the **token purchases, distributions, valuation forensics and market liquidity**.

The VeADIR will pay operating fees to Veritaseum (tokens, either USD-locked or other) for real world research. Veritaseum then feeds research results to VeADIR.

Either other smart contracts/constructs (likely preferable, wherein VERI holders can purchase access) or specialized wallets can be used to convert said machine language into lay person readable human language.

Users pay VERI to the VeADIR in order to receive the contract-processed research that the VeADIR purchases from Veritaseum in machine language. This is likely in the form of what is the most promising blockchain based assets.

This research will look like this in the case of an entity-based token offering (VeADIR will purchase a wide plethora of assets, ie. from distressed credits to digital platform tokens):

Weighting
Token
Value: Overpriced (float)
Cashflows: Sparse (float)
Market: float
Management team:
Competition:
Short
Full financials?
Valuation analysis
Trends?

GNO: overpriced, sparse initial cash flows, large potential market, large mgmt team, strong competitors, short recommendation, full financials and valuation analysis will come with it.



Trends and other easily recorded information can be sent to VeADIR, ex. ROI2.5%, eROE7.5%, Rev growth50%, DCFvalue=, compvalue-, etc. As well as an over recommendation, ie. buy@ <=\$12, sell->18. Margin long, sell short, etc.

Execute a function on the **VeADIR** contract (**yes, no, no vote, 25%, 75%**) and have their choice weight according to the % holding of VERI tokens. The goal is to make sure that those asking the VeADIR questions incur a cost to do so, and the VeADIR benefits from said cost.

The VeADIR will then create a model portfolio with the excess assets/tokens that it has at hand, and offer that model portfolio along with the machine language research to the token holders on a periodic basis (eg. weekly, monthly, quarterly, even potentially daily).

VeADIR makes predictable purchasing decision based on a proprietary algorithm.

Veritaseum tokens allow VERI holders to trade research/model portfolios between and amongst themselves with real world assets as well as trading between various VeADIR constructs as well.

That machine language comes back with pro rata portions of the actual tokens purchased as well as the option to purchase additional software (either another smart contract access or wallet) to read said machine code into human readable material.

Step-by-Step Use Cases

Veritaseum codes VeADIR and initially funds it with assets (ie. VERI, ETH, VERI.BTC and VERI.USD).

XYZ has an ICO coming up and petitions VeADIR for contribution - or -ABC Bank has distressed assets it's looking to move in order to re-enlist with its local exchange. It answers the simplified set of binary and sliding scale questions, paying for admission to that financial machine in VERI, and it either passes or fails (let's assume it passes).

VeADIR then requests additional VERI for a full analysis from XYZ. (currently, approximately 1600 VERI and upon receipt passes the relevant info to Veritaseum (machine language).

Veritaseum then produces a report (like <u>this Ripple Report</u> or this <u>Jamaican Distressed Asset Report</u>).

VeADIR accepts researched info, acts on it through XYZ exchange (centralized legacy or decentralized P2P) or purchases assets directly from the seller, and optionally makes research available to token holders who contributed >xxxx VERI. Those VERI contributors who opt to receive the "raw" research will have to interact with a separate smart contract to translate machine language to human readable text.

VeADIR then buys/sells (via the Veritaseum Rental Facility) the tokenized assets. It can use ETH to make the purchase through its ETH reserve and/or USD-locked tokens based on Veritas derivatives such as Ve.USD.

The Veritaseum Rental Contracts allow for holders of Veritas tokens to rent their tokens (either on a contract basis or an economic basis) to those seeking exposure to Veritized assets. This broadens the availability of VeADIR to more institutions to use.



The research that the VeADIR consumes is comprehensive and utilitarian. Below are redacted excerpts of the research presented to the Jamaica Stock Exchange during the VeADIR research demonstration held for one of the top ten global exchanges. Of particular note is page 34 of this document which discusses the impact of the proposed JV between the JSE and Veritaseum. Also of note is the fact that this report does not discuss the impact of proposed legislation in Jamaica that will allow Jamaican institutions to take positions in foreign entities, which may have the effect of reducing aggregate demand for Jamaican domiciled entities traded on the JSE.

The management of the JSE has stated that the number of listed companies is now \sim 33% higher than that stated in this report, according to the most recent data.

In the spirit of full disclosure, Veritaseum has signed a Memorandum of Understanding to enter into a joint venture with the Jamaica Stock Exchange to build and operate digital asset exchange.

We have published the executed MOU below. Following it is the Veritaseum valuation report detailing the impact of Ve on the JSE through the JV.







This Memorandum of Understanding is entered into on the 29th day of June, 2017 between Veritaseum, LLC a company incorporated under the laws of Delaware with office located at 1460 Broadway, New York, NY (hereafter referred to as "Veritaseum") and the Jamaica Stock Exchange ("the Exchange") a company incorporated under the laws of Jamaica with registered office located at 40 Harbour Street in the Parish of Kingston. The parties intend to enter into a joint venture arrangement, hereafter referred to as "the Venture".

It is hereby understood and agreed as follows:

- 1. Duties of the Parties
 - a. On the part of Veritaseum:

Veritaseum will sell, lease, rent, or lend its Veritas tokens to the Jamaican Stock Exchange for the purposes of consulting on, advising on and building a digital asset exchange for the Joint Venture. The details of which are as follows:

- A digital asset exchange for the Venture ("The Digital Asset Exchange")
 - a. The software and technology to be used by The Digital Asset Exchange will be funded and built by Veritaseum, LLC and its contractors and subcontractors. Upon signing of this MOU by parties on or before June 30, 2017, Veritaseum anticipates the Digital Asset Exchange to go live by, or near August 31st, 2017.
 - b. Veritaseum will share % of the net revenues stemming from the operation of The Digital Asset Exchange with the Jamaica Stock Exchange
 - c. Veritaseum will, at the behest of the Jamaica Stock Exchange, co-brand The Digital Asset Exchange with a combination of Jamaica Stock Exchange and Veritaseum brands.
 - d. Veritaseum will advise on recommended registration fees for Digital Asset Exchange which will be designed to boost the revenues of the Jamaica Stock Exchange.
- b. On the part of Jamaica Stock Exchange

The Jamaica Stock Exchange agrees to the following:

- To use its best endeavours to utilize the Jamaica Stock Exchange brand, the infrastructure, existing
 and future regulatory relationships and relevant personnel of the Jamaica Stock Exchange to
 facilitate The Digital Access Exchange;
- To use its best endeavours to include, if required, any rules required to facilitate The Digital Access Exchange; and
- 3. To operate the Digital Access Exchange to the extent permitted by the law.
- <u>c</u> The relevant parties agree to facilitate the actions outlined above
- 2. Duration

This MOU shall continue in effect for a period of one (1) year from the date of signing of this MOU and may be extended upon request by either party in writing and by consent by the parties in writing.

3. Relationship of the Parties

212-257-0004

1460 Broadway, New York, NY 10036

reggie@veritaseum.com

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Nothing in this MOU shall be construed as creating a partnership, joint venture, agency or similar relationship between the parties. No party has the right or authority to bind the other party, including without limitation the power to incur any liability or expense on behalf of the other party without its prior written agreement, except as expressly set forth in this MOU.

4. Indemnities, Warranties and Limitation of Liability Each party warrants its capacity to enter into this MOU and to participate in the activities contemplated herein. No party shall be held responsible for any cost or expense incurred by the other party in keeping with the terms of agreement or any policies and procedures established between the parties for the purpose of giving effect to this MOU.

5. Good Faith

- a. The Parties undertake to act in good faith under this MOU and to adopt all reasonable measures to ensure the realization of the objectives of this MOU.
- b. All parties are free to make this document public for the purposes of communication with their respective constituencies, stakeholders and partners on the condition that Paragraph 1, Section A, subsection I, a – lines 3 and 4 are redacted.
- c. This document is non-binding, and does not represent an obligation to perform the actions listed above, but rather an agreement of the intent of the parties and an understanding of each party's respective role in any future binding contractual relationships.
- d. Subject to 6. of this MOU the information supplied and/or obtained by each party to this MOU shall be treated in a confidential manner.

6. Confidentiality

Paragraph 5, section b describes matter that is confidential in nature.

7. Amendment

Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be in writing and signed by authorized representatives of both parties.

IN WITNESS WHEREOF Veritaseum and the Exchange have duly executed this MOU on the day and year first hereinbefore written.

Reggie Middleton

Founder Veritaseum

Ian McNaughton Chairman

Jamaica Stock Exchange

Marlene Street Forrest Managing Director Jamaica Stock Exchange

212-257-0004

1460 Broadway, New York, NY 10036

reggieseveritaseum.com

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Valuation Report Jamaica Stock Exchange (JSE) Group

September 2017







EXECUTIVE SUMMARY



- This document contains our views in connection with the valuation of Jamaica Stock Exchange (JSE)
- Based in Kingston, Jamaica, Jamaica Stock Exchange (JSE or "the Exchange") is the principal exchange in the country which was incorporated in 1968 and started its first official trading in 1969
- The Exchange is engaged in providing a trading platform for securities and operates in 3 core markets, namely Main Market, Junior Market, & US Dollar Equities Market
- Jamaica Stock Exchange owns two operating subsidiaries, namely Jamaica Central Securities Depository Limited (JCSD)
 and JCSD Trustee Services
- Over the years, the Exchange has grown both in volume and value terms. As of 2016, the Exchange had a total of 63 listed companies and a market capitalization of US\$6.2 billion (Main & Junior Market)
- In terms of top-line growth, the Exchange has been growing at a healthyrate in recent years.
 - Revenues of the Exchange reached US\$6.75 million in 2016, grew by 22% Y-0-Y, whereas net profits reached to US\$1.74 million in 2016
 - The net profit margin of the Company increased to 25.8% in 2016 from 24.7% in 2015
- Based on the prevailing market dynamics, JSE is expected to continue its growth trend in the coming years as well
- During the forecasted period of 2017-2022, net profit margin of the Exchange is expected to range between 26.2% to 45.6% under various topline growth scenarios
- Based on the various valuation approaches & scenarios, the Equity Value of the Exchange is estimated to range between US\$40.2 million to US\$1,290.1 million, implying per share value of JM\$7.36 to JM\$217.58 (please refer slide xx for the detailed valuation scenarios)

Veritas 3







JAMAICA STOCK EXCHNAGE GROUP Overview



Company Overview

- Jamaica Stock Exchange (JSE or "the Company") is the principal exchange in Jamaica
- It was incorporated in 1968 and started its operation in 1969
- Main aim of JSE is to mobilize capital so that companies can grow, which in turn could lead to growth of the economy
- The Exchange operates through two subsidiaries, namely

 Jamaica Central Securities Depository Limited and JCSD* Trustee Services
- Mr. Willard Samms, Mr. Raglan I. Golding, Mr. Edward E. Gayle, Mr. Anthony Lloyd are the founding members of JSE
- JSE is governed by a board of directors which has the following composition
 - The Governor of the Central Bank (Bank of Jamaica) or his nominee
 - A representative of the Ministry of Finance
 - Three persons other than shareholders
 - Up to ten shareholders representing members

JCSD* = Jamaica Central Separities Limited

Jamaica Stock Excha	nge
Туре	Stock Exchange
Incorporated	1969
Subsidiaries	Jamaica Central Securities Depository Limited, & JCSD Trustee Services
Registered Office	40 Harbour Street, P.O.Box 1084, Kingston, Jamaica.

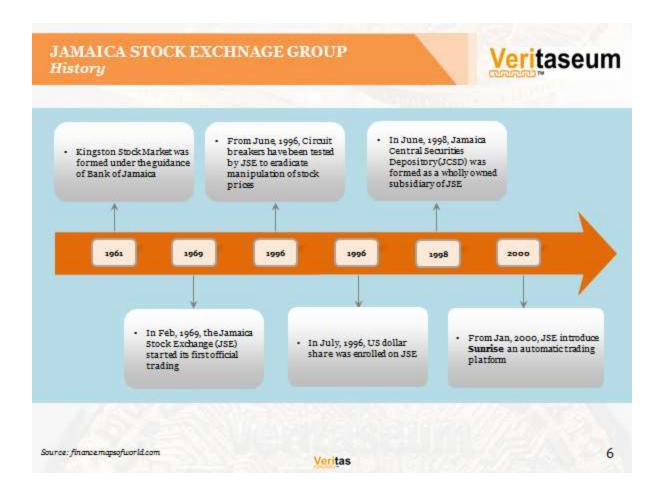


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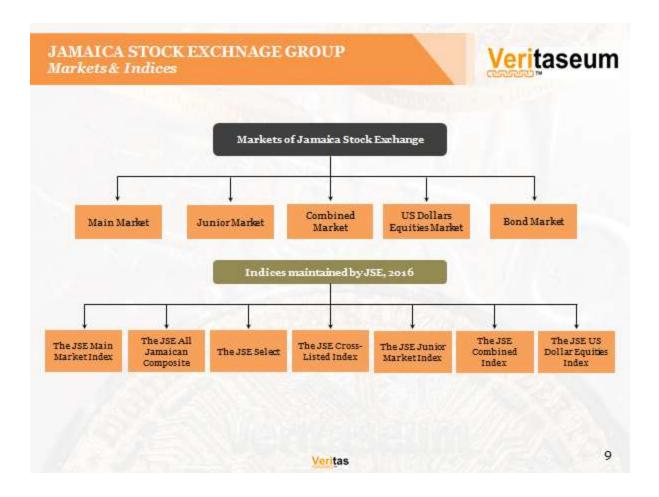




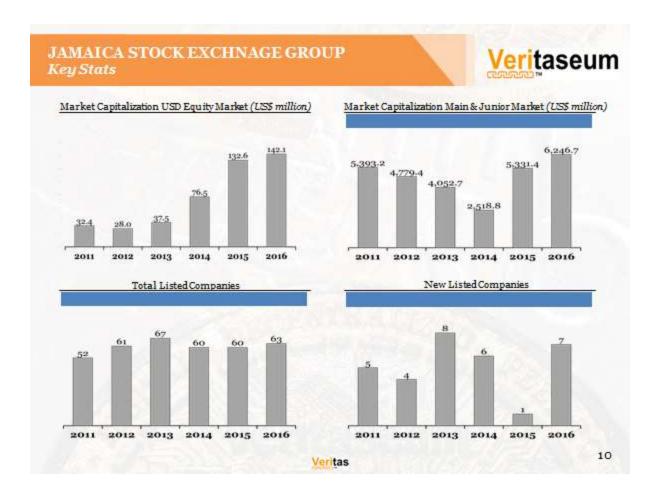




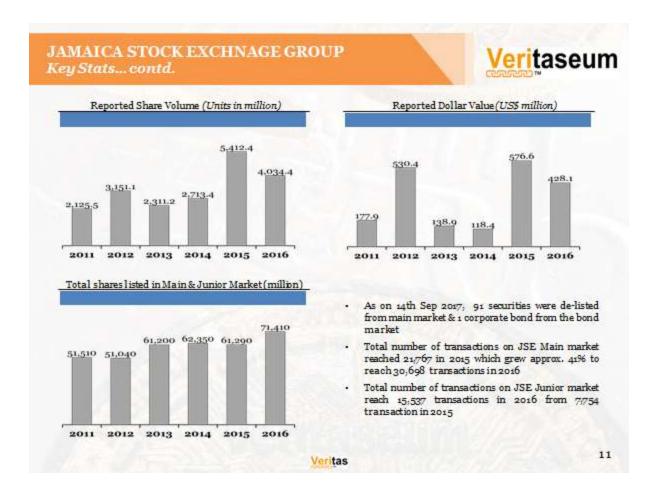








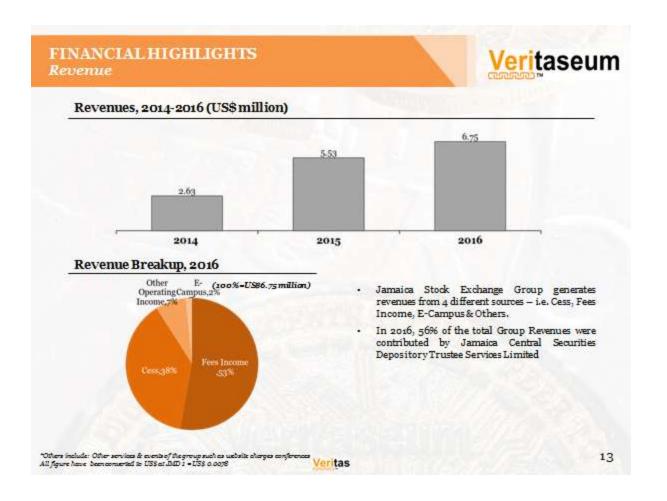








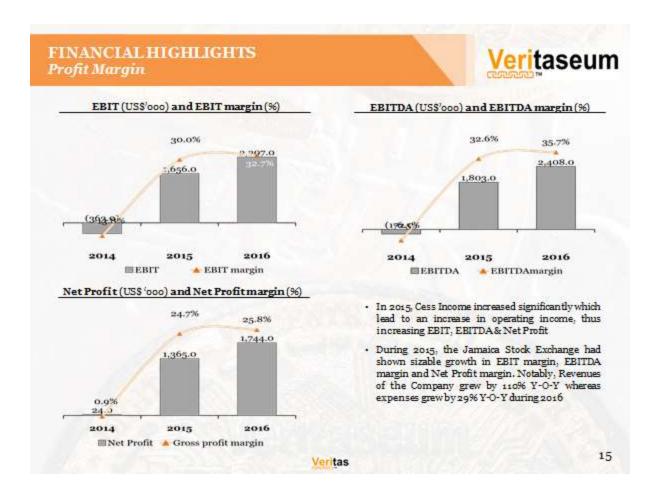




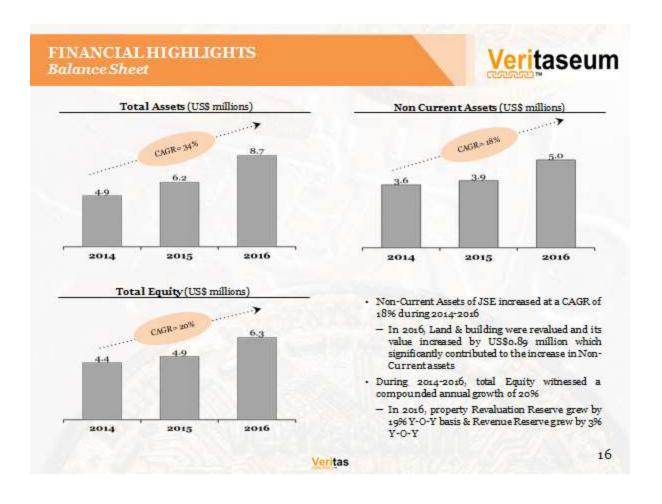


FINANCIAL HIGHLIGHTS Veritaseum Operating Expenses Operating expenses before strategic re-alignment expenses (USS million) 2016 2014 2015 1.68 2.13 Staff Cost 1.34 0.68 **PropertyExpenses** 0.65 0.74 Depreciation & Amortization 0.15 0.21 Advertising & Promotion 0.22 0.33 0.38 Professional fees 0.28 0.28 0.35 Securities commission fees 0.10 0.37 0.36 Bad debts, loss recover 0.05 (0.02) (0.02)E- Campus 0.10 0.11 0.11 Other Operating Expenses 0.14 0.23 0.29 Total 2.99 3.87 4.55 Operating Expenses Segment Wise, 2016 Other Operating (roo%-USB4.55 millions) Operating expenses of JSE are divided into nine categories - Staff cost, Property expenses, Securities Depreciation & Amortization, Advertising & fees,8% Promotion, Professional fees, Securities commission Professiopal fees,8% fees, Baddebts, E-Campus, Other Expenses During 2016, Staff cost was the largest component of Advertising & operating expenses, followed by Property expenses Veritas All figure have been converted to EIS\$ at JUID 1 = EIS\$ 0.0078

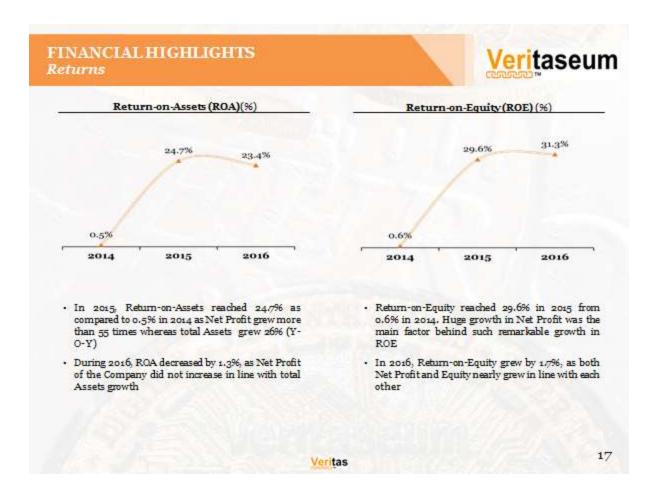


















FORECASTED FINANCIALS Key Assumptions



Revenue growth projection scenarios for Cess Income & Fee Income									
Scenarios	Q4 2017	2018	2019	2020	2021	2022			
Scenario 1	10%	10%	10%	10%	10%	10%			
Scenario 2	25%	25%	25%	20%	20%	20%			
Scenario 3	50%	40%	40%	30%	25%	25%			
Scenario 4	100%	70%	60%	50%	40%	30%			
Scenario 5	200%	150%	100%	85%	70%	50%			
Scenario 6	300%	200%	150%	100%	75%	60%			
Scenario 7	500%	300%	200%	150%	100%	75%			

Cost Y-o-Y growth projection scenarios for Staff Cost									
Q4 2017	2018	2019	2020	2021	2022				
8%	8%	7%	7%	7%	6%				
16%	16%	16%	15%	15%	12%				
30%	30%	30%	30%	30%	25%				
50%	50%	50%	50%	50%	50%				
55%	55%	55%	55%	55%	55%				
60%	60%	60%	60%	60%	60%				
70%	70%	70%	70%	70%	70%				
	Q4 2017 8% 16% 30% 50% 55% 60%	Q4 2017 2018 8% 8% 16% 16% 30% 30% 50% 50% 55% 55% 60% 60%	Q4 2017 2018 2019 8% 8% 7% 16% 16% 16% 30% 30% 30% 50% 50% 50% 55% 55% 55% 60% 60% 60%	Q4 2017 2018 2019 2020 8% 8% 7% 7% 16% 16% 15% 30% 30% 30% 30% 30% 30% 50% 50% 50% 50% 50% 55% 55% 55% 55% 55% 60% 60% 60% 60% 60% 60%	Q4 2017 2018 2019 2020 2021 8% 8% 7% 7% 7% 16% 16% 15% 15% 15% 30% 30% 30% 30% 30% 50% 50% 50% 50% 50% 55% 55% 55% 55% 55% 60% 60% 60% 60% 60%				

- Revenue growth for 2017 is split into 2 parts, first 9-month period & 4th quarter of 2017. For 9M 2017, the growth rates are as per historical trends, while for the last quarter (4Q), the growth rates are assumed in 7 different scenarios as mentioned in the table
- The lowest growth rate has been assumed to be 10% in Q4 2017; base case as 50% and the highest growth rate is assumed as 500% in Q4 2017
- Staff costs are also forecasted in 7 scenarios where the costs will be forecasted to grow in the range between 896 to 7096 in Q4 2017

Veritas

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FORECASTED FINANCIALS Key Assumptions cont.



Other Income Statement assumptions

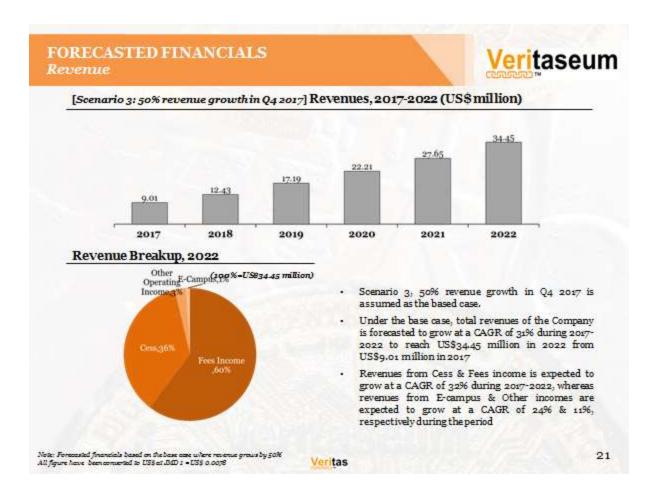
- · Other Expenses are forecasted as % of revenues
- In vestment income & other comprehensive income of the company are not forecasted
- Capital expenditures are forecasted as follows;

Additions made in the fixed assets during the forecasted period								
Tangible & Intangible Assets	2017	2018	2019	2020	2021	2022		
Furniture& Fixtures	2,500	2,500	2,500	2,500	2,500	2,500		
Office Equipment	13,000	16,000	20,000	24,000	28,000	35,000		
Motor Vehicles	1,000	1,200	1,300	1,500	1,900	2,200		
Computer Hardware	11,000	13,000	16,000	19,000	24,000	30,000		

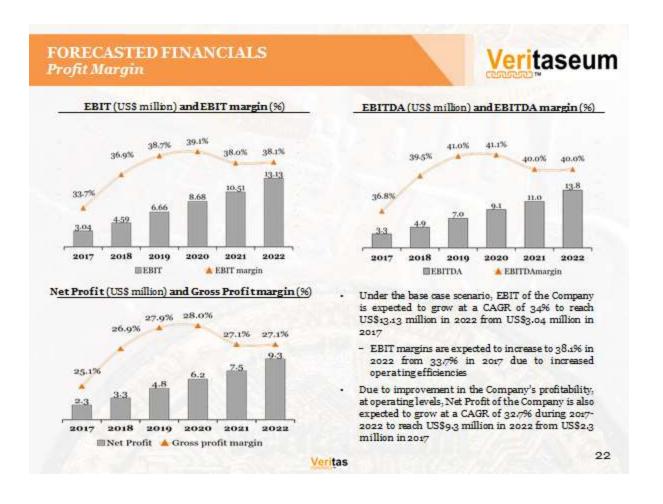
- The Work-in-progress in tangible assets is assumed to get transferred to fixed assets in 7 years from 2017
- Computer Software Development Project in intangible assets is assumed to get transferred to Computer Software in 6
 years from 2017

Veritas 20

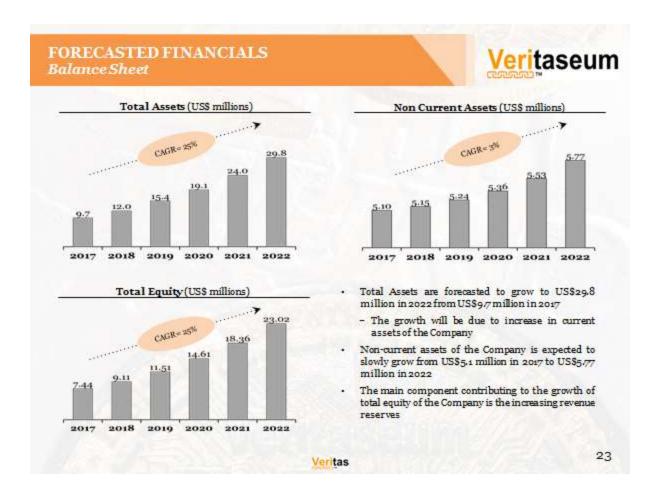




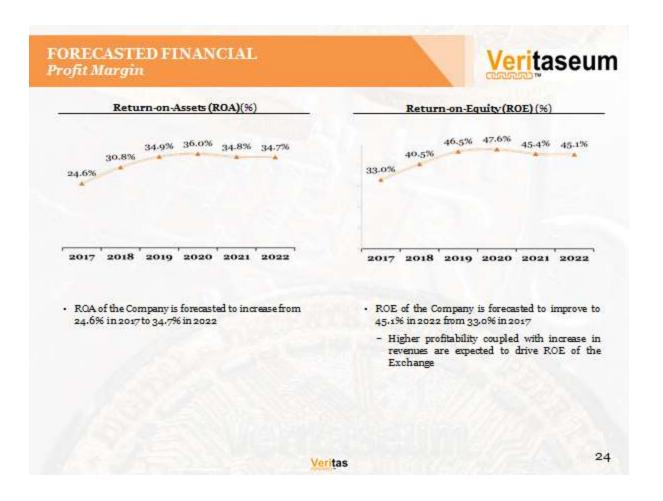




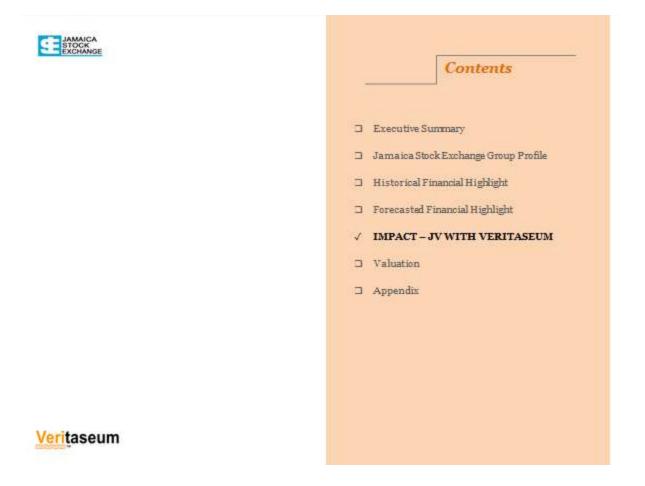














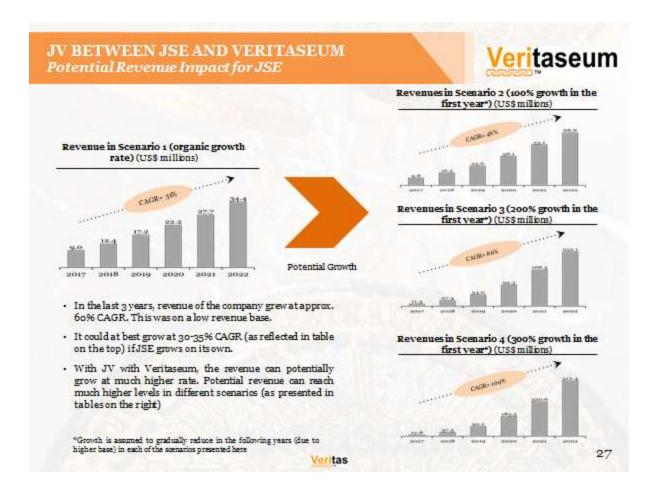
IMPACT – VERITASEUM & JSE JOINT VENTURE



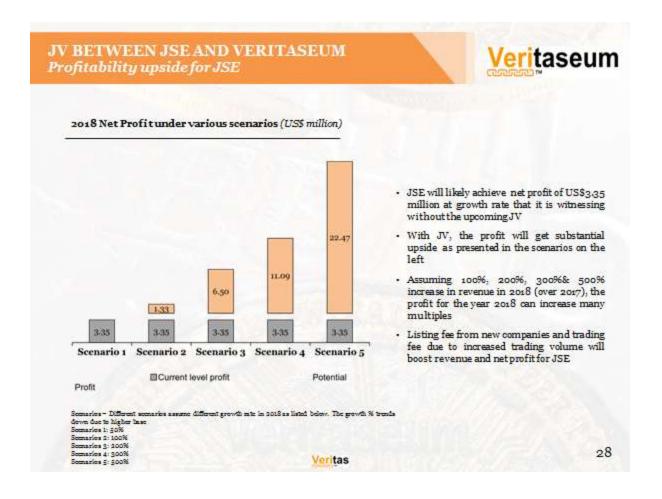
- Recently announced planned joint venture between JSE and Veritaseum has the potential to transform JSE into one of the
 most attractive stockexchanges globally
- The JSE is a relatively small stock exchange, even in comparison with other exchanges in the Caribbean region. It has roughly 63 companies (as of Dec 2016) listed on it with an average daily volume of US\$ 1.7 million
- A Joint venture with Veritaseum will significantly propel revenue opportunities for JSE in terms of higher trading volume,
 ease of investment, larger access to global capital and easy trading on stocks & next generation securities
- JSE will potentially become a central exchange for the Caribbean listed companies just like AIM of LSE or Singapore Stock
 Exchange
- The JV will provide liquidity to stocks and provide access to global investors to invest in high return and attractive
 opportunities
- It will also open bond and commodity markets with significant capital access
- The domestic Jamaican economy will benefit from considerably more investment and foreign direct investment into various sectors
- Illiquid and non-performing assets will find a market that has investors and financial/strategic speculators interested in workouts, turnarounds and roll-ups
- The country's economy and capital markets are slated to undergo a dramatic transformation post JV

Veritas 26

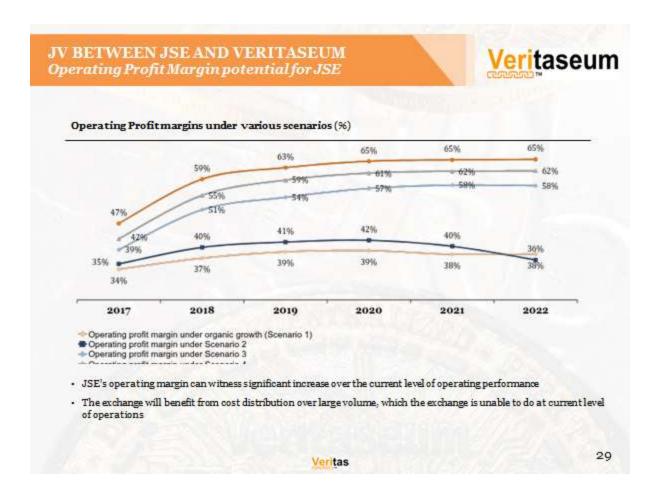






















VALUATION ASSESSMENT Preliminary Valuation



	Valuation Approach	Weight(%)	Value (US\$	
(A)	Comparative Multiple Valuation	33-3%		
1.	P/E Multiple Approach	11.1%	83,694	
2.	EV/EBITDA Multiple Approach	11.1%	64,559	
(B)	DCFValuation	33.3%	40,717	
	Weighted Average Equity Value of the Company" (USS'000)	100%	62,990	

Add - Net Debt(2018)	(2,267)
Enterprise Value (US\$'000)	60,723

⁺The weighted average valuation is based on the base case scenario where revenues are forecasted to grow at a growth rate of 50% in Q4 2017

Veritas

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Based on the base case scenario, the weighted average Equity Value of the Company is estimated at US\$62.99 million, implying per share value of US\$11.52







VALUATION ASSESSMENT Per Share Value & Equity Value of the Company



Under various scenarios the Weighted Average Equity Value of the Company and Per Share Value of the Company is estimated as follows:

Scenario	RevenueGrowth in Q4 2017	EquityValue of the Company(US\$' 000)	Per Share Value (US\$)	Per Share Value (JMS)	
1	10%	40,252	0.06	7.36	
2	25%	51,888	0.07	9-49	
3	50%	62,990	0.09	11.52	
4	100%	94,529	0.13		
5	200%	267,545	0.38	48.91	
6	300%	471,021	0.67	86.11	
7	500%	1,190,098	1.70	217.58	

- The weighted average Equity Value of the Company is estimated to range between US\$40.25 million to US\$1;190.1 million; implying a P/E multiple in range of 17,3x to 46.1x (2018)
- Enterprise Value is estimated between US\$38.46 million to US\$1,179.24 million, based on net debt balance projected for 2018

Veritas 34



VALUATION ASSESSMENT Veritaseum DCF Valuation (All figures are in US\$ '000 unless otherwise stated) Terminal **Particulars** 2017 F 2018F 2019 F 2020 F 2021 F 2022 F value **FCFF** Computation Cash from operating activities 3,456 5,003 5,827 1,375 7,744 9,433 52,516 [+] After tax interest expenses [-] CAPEX (645)(830) (934) (645)(700) (757)Free-Cash-Flow (FCFF) 2,811 8,500 52,516 730 4,302 5,070 6,914 Discounting Factor 0.81 0.95 0.69 0.59 0.50 0.43 0.43 Present Value of FCFF 694 2,277 2,969 2,982 3,466 3,631 22,431 Enterprise Value 38,450 (-) Net Debt (2,267)(-) Total Debt (2018) (+) Cash & Cash Equivalent (2018) 2,267 EquityValue of the Company* (US\$'000) 40,717 +The Equity Value is based on the base case scenario where revenues are forecasted to grow at a growth rate of 50% in Q4 2017 35 Veritas



1000	
P/EMultiple Approa	ch(TTM)
Net Income(2018)	3,347
Adj. P/E Multiple	25.00X
Equity Value of the Company*	83,694
EV/EBITDA Multiple App	proach (TTM)
EBITDA (2018)	4.913
Adj. EV/EBITDA Multiple	12.68x
Enterprise Value of the Company	62,292
Enterprise value of the company	
Less: Net Debt	(2,267)







otherwise so	rafied)					CALARD N		
2014	2015	2016	2017 F	2018 F	2019 F	2020 F	2021 F	2022 F
***	225		HARLING V	11401		-		12.383
		VC-241070		0.000	1,775,775,77	100.00	000000000000000000000000000000000000000	100000000000000000000000000000000000000
		10.745	0.000			400	1.000	20,779 390
	200	1555	27.22.73		-	-	10000000	896
2,631	5,525	6,753	9,006	12,430	17,193	22,211	27,654	34,448
1.339	1.678	2133	2614	3.398	4.417	5.742	7.465	9,331
		4222		- ITALA G. V.			1000	4.178
191	147	201	274	326	386	458	543	646
216	327	378	532	729	1,029	1,331	1,667	2,081
278	276	352	471	663	923	1,202	1,501	1,876
101	368	356	552	722	1,044	1,333	1,681	2,092
(24)	53	(16)		-				
99	109	110	167	220	317	406	511	636
143	227	290	277	329	350	394	432	480
2,993	3,868	4,546	5,966	7,843	10,539	13,535	17,149	21,320
(363)	1,656	2,207	3,039	4,587	6,655	8,676	10,505	13,128
330	331	404	195	195	195	195	195	195
1		*						
(0)	-							
(31)	1,987	2,611	3,234	4,782	6,850	8,871	10,700	13,323
	1,000,000	7.7	-	-	***************************************			(3,997)
24	1,365	1,744	2,264	3,347	4,795	6,210	7,490	9,326
	1,339 651 191 216 278 101 (24) 99 143 2,993 (363) 330 1 (0)	1,549 2,575 85 78 460 517 2,631 5,525 1,339 1,678 651 683 191 147 216 327 278 276 101 368 (24) 53 99 109 143 227 2,993 3,868 (363) 1,656 330 331 1 - (0) - (31) 1,987 56 (623)	1,549 2,575 3,569 85 78 111 460 517 498 2,631 5,525 6,753 1,339 1,678 2133 651 683 743 191 147 201 216 327 378 278 276 352 101 368 356 (24) 53 (16) 99 109 110 143 227 290 2,993 3,868 4,546 (363) 1,656 2,207 330 331 404 1 - (0) (31) 1,987 2,611 56 (623) (867)	1,549 2,575 3,569 5,219 85 78 111 133 460 517 498 543 2,631 5,525 6,753 9,006 1,339 1,678 2133 2,614 651 683 743 1,080 191 147 201 274 216 327 378 532 278 276 352 471 101 368 356 552 (24) 53 (16) - 99 109 110 167 143 227 290 277 2,993 3,868 4,546 5,966 (363) 1,656 2,207 3,039 330 331 404 195 1 - (0) - (31) 1,987 2,611 3,234 56 (623) (867) (970)	1,549 2,575 3,569 5,219 7,307 85 78 111 133 167 460 517 498 543 602 2,631 5,525 6,753 9,006 12,430 1,339 1,678 2,133 2,614 3,398 651 683 743 1,080 1,457 191 147 201 274 326 216 327 378 532 729 278 276 352 471 663 101 368 356 552 722 (24) 53 (16) - - 99 109 110 167 220 143 227 290 277 329 2,993 3,868 4,546 5,966 7,843 (363) 1,656 2,207 3,039 4,587 330 331 404 195 195	1,549 2,575 3,569 5,219 7,307 10,229 85 78 111 133 167 205 460 517 498 543 602 662 2,631 5,525 6,753 9,006 12,430 17,193 1,339 1,678 2,133 2,614 3,398 4,417 651 683 743 1,000 1,457 2,072 191 147 201 274 326 386 216 327 378 532 729 1,029 278 276 352 471 663 923 101 368 356 552 722 1,044 (24) 53 (16) - - - 99 109 110 167 220 317 143 227 290 277 329 350 2,993 3,868 4,546 5,966 7,843	1,549 2,575 3,569 5,219 7,307 10,229 13,298 85 78 111 133 167 205 255 460 517 498 543 602 662 733 2,631 5,525 6,753 9,006 12,430 17,193 22,211 1,339 1,678 2,133 2,614 3,398 4,417 5,742 651 683 743 1,080 1,457 2,072 2,669 191 147 201 274 326 386 458 216 327 378 532 729 1,029 1,331 278 276 352 471 663 923 1,202 101 368 356 552 722 1,044 1,333 (24) 53 (16) - - - - 99 109 110 167 220 317 406 <td>1,549 2,575 3,569 5,219 7,307 10,229 13,298 16,623 85 78 111 133 167 205 255 315 460 517 498 543 602 662 733 809 2,631 5,525 6,753 9,006 12,430 17,193 22,211 27,654 1,339 1,678 2,133 2,614 3,398 4,417 5,742 7,465 651 683 743 1,080 1,457 2,072 2,669 3,350 191 147 201 274 326 386 458 543 216 327 378 532 729 1,029 1,331 1,667 278 276 352 471 663 923 1,202 1,501 101 368 356 552 722 1,044 1,333 1,681 (24) 53 (16) -</td>	1,549 2,575 3,569 5,219 7,307 10,229 13,298 16,623 85 78 111 133 167 205 255 315 460 517 498 543 602 662 733 809 2,631 5,525 6,753 9,006 12,430 17,193 22,211 27,654 1,339 1,678 2,133 2,614 3,398 4,417 5,742 7,465 651 683 743 1,080 1,457 2,072 2,669 3,350 191 147 201 274 326 386 458 543 216 327 378 532 729 1,029 1,331 1,667 278 276 352 471 663 923 1,202 1,501 101 368 356 552 722 1,044 1,333 1,681 (24) 53 (16) -



APPENDIX 2 Balance Sheet					Veritaseum						
(All figures are in US\$ '000, unless and otherwise specified)											
Items	2014	2015	2016	2017 F	2018F	2019F	2020 F	2021F	2022 F		
Non-current Assets											
Property, plant & equipment	641	672	2,005	1,988	1.966	1.942	1,908	1.867	1.932		
Intangible Assets	193	353	403	360	313	360	202	140	73		
Employee benefits	521	927	1.033	1.129	1.254	1.416	1.627	1.901	2.244		
Investment in securities	2,163	1.820	1,532	1,552	1,552	1.552	1.552	1,552	1.552		
Long term receivables	84	86	69	69	69	69	69	69	69		
Total non-current assets	3,605	3,058	5,043	5,099	5,153	5,240	5,359	5,529	5,770		
Current Assets	2,000	200	260.000	0.7577.00	57,575	2000	8,500	3,000	2750000		
Income tax recoverable	151	747			-	1.0	59		-		
Due from related party	19	1	-				100	-			
Trade and other receivables	471	930	983	1.682	2,259	3,039	4.055	5.007	6,227		
Investment in securities	200	491	510	530	530	520	530	530	530		
Government securities purchased		1,500	2.55	200	3770	11000	-	555	1000		
under recale aggrement	538	393	1,053	1,443	1,833	2.223	2,613	3,003	3,393		
Cash & cash equivalents	112	499	1,141	934	2,267	4,367	6,527	9,692	13,924		
Total Current Assets	1,291	2,314	3,687	4,590	6,890	10,159	13,726	18,432	24,074		
Total Assets	4,896	6,172	8,729	9,689	12,043	15,399	19,085	23,962	29,844		
Equity	10,000	0.000	250000	2000	2017 0000	10.00	755000	1000000			
Share Capital	1.850	1.859	1,958	1,858	1.850	1.858	1.858	1.958	1.858		
Fair value reserve	85	46	85	85	85	85	85	85	85		
Property revaluation reserve		-	924	924	924	924	924	924	924		
Revenue reserve non-distributable	20	377	377	377	377	377	377	377	377		
Revenue reserve	2,433	2,570	3.059	4.191	5,865	8.262	11.367	15.112	19.775		
Total Equity	4,376	4,851	6,303	7,435	9,109	11,506	14,611	18,356	23,019		
Non-current liability	0.0840.0.000	0.0000000000000000000000000000000000000	280.00	100000		77.00	120,000	2000000	27/67/7/7/		
Deffered tax liability	20	341	600	600	600	600	600	600	600		
Total non-current liability	20	341	600	600	600	600	600	600	600		
Currentliabilities											
Due to related parties			1	1	1	1	1	1	- 5		
Income tax payables	N 43 F	149	170	170	170	170	170	170	170		
Payables & Accruais	499	831	1,656	1,484	2,164	3,123	3,704	4,836	6,055		
Total current liabilities	499	980	1,827	1,654	2,335	3,293	3,874	5,006	6,225		
Total equity & liabilities	4,896	6.172	8,729	9,689	12,043	15,399	19,085	23,962	29,844		
			Veri						39		



APPENDIX 3 Veritaseum Cash Flow Statement Cash flows from Operating Activities 24 1365 1,744 2.264 3.347 6.210 7.490 9.326 4.795 Frofit for the year Adjustments for Depreciation of property, plant & equipment 109 102 149 231 179 334 401 485 579 Americation of intendible exects Gain on sale of available for sale investments Loss/(gain) on disposal of plant property & equipment 47 53 55 62 67 (0) (40) Write-off of plant, property & equipment. Adjustments to intengible assets Unrestited foreign exchange gain Employee benefit expenses Bad detta loss recovertes (147) 21 28 36 47 59 (44) (56) 53 (18) 867 970 1,435 2,055 2.661 3.210 3.997 Income tax diarge 623 (195)Interest Income (194) (203) (2:3) (195) (195)(195)(195) (195) Interest Expenses Operating cash flow before working capital changes (210) 1,877 2,446 3,330 7,069 9,171 13,832 Increwe in trades & other receivables (\$11) (23) 825 (199) (577) (780) (1.017) (952) 1.095 (1.220) Increme in payables & socrads Fost employee benefit contribution Cash utilised in operations 659 545 1.160 (211) 8,488 (2.661) (53) 1,638 (162) 7,658 (2.055) 3,180 2,346 (970) 13,430 come tax paid (104) (793) (1.435) (3.210) (3.997) Interest paid Net Cash Bows from Operating Activities Cash flows from Investing Activities (281) 1,534 2,387 1,375 3,456 5,003 5,827 7,744 9,433 Investment Securities net (78) (377) (533)(41) Freesed from dispossi of plant property & equipment Government securities purchased under reside aggrement Receipts from related parties (650) (390) (990) (390) (390) (390) (390) (121) Proceed from sale of available for east investment. 1.044 305 324 Acquisition of plant property & equipment Acquisition of intengible assets Long-term receivables (46) (33) (11) (215) (255) (310) (367) (440) (514) (2) (450) Net Cash flows from Investing Activities 254 (450) (739) (57) (463) (505) (562) (635) Cash flows from Financing Activities Dividends paid (1.094) (1,299) (1.132) (1.674) (2397)(3,105) (3.745) (4.661) (3) (2,397) Net Cash flows from Financing Activities (1,094) (1,289) (1,132) (1,674) (3,105) (3,745) (4,663) Not increase/(decrease) in cash & cash equivalent. Cash & cash equivalent at the beginning of the year Effect of foreign each angerate dumper 1.141 112 499 934 2.267 4367 6,527 9.992 Cash & cash equivalent at the end of the year 112 499 934 2,267 4,367 6,527 9,892 13,924 1,141 40 tas



APPENDIX 4 Veritaseum Trading Comps Particulars EV/EBIT Ra Landon Stock Exchange Group plo NM 1995 39.49 350.31 13.716.00 45.39 2.81 613 0.38 14.92 1.29 0.99 USD: Deutsche Boerse AG NM NM 30% 18681 17,621.00 19.77 22.13 3.09 5,00 0.49 EUR ASX Limited 193.60 10,500.00 24.24 23.82 265 11.13 2.07 30.22 19.28 0.85 0.35 AUD Singapore Exchange Ltd. NM 1796 NA XA 21.18 SCD 7.45 1,070.00 8,000.00 23.48 23.68 9.77 1537 0.90 Singapore Philippine Stock Exchange Inc 73.38 17,500.00 24.92 26.04 Philippine PHP NZX Ltd. NM 28% 1.18 268.48 308.70 23.65 4.04 3.65 1.14 20.80 3.83 043 0.24 NZD Now Zosland NSX Led NA NA 334 NM 30% NA AUT Japan Exchange Group Inc. NUM NA 3196 37.4 1692 27453 9,200,00 23,78 13.13 3.32 8.04 0.28 2212 py Japan 48.22 70.00 3,300.00 17.34 17.04 4.97 5.44 0.13 1431 0.65 FUR Napday Inc. NM NA 40% USA USD 7437 16518 12600.00 206 3.06 0.66 24.40 15.88 0.92 0.66 NM NM. NM NM. 1796 27.14 1,230.00 33,300.00 41.02 0.11 15.17 1.46 5.34 Hong Kong HKD Gielda Papierow Wartesele Warszawie S.A. MM 41.97 2,000.00 14.98 13.96 225 5.25 0.33 9.20 0.55 0.43 Poland PLN 334 NA NA NA 15% 83,62 2,500.00 15.84 15.17 EUR Financiores SA. Spain Hellenic Eschanges-Athens Stock Eschange SA NM XМ 2996 NA NM EUR Average 20.54 25.00 3.58 7.27 0.63 22.17 12.68 0.87 0.64 41 Veritas