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## 1. BUSINESS OVERVIEW

COMPANY OVERVIEW
CORPORATE OVERVIEW
THE PROBLEM
OUR SOLUTION
DEFENSIBILITY
BENEFITS FOR USERS AND COMPANIES
GO-TO-MARKET
COMPETITIVE ADVANTAGE
INVESTMENT LANDSCAPE

### COMPANY OVERVIEW



ABOUT BRAIN RESOURCE

## BRAIN RESOURCE IS THE WORLD'S FIRST DIGITAL ASSISTANT FOR BRAIN MONITORING AND TRAINING

Brain Resource Ltd. (ASX: BRC) was founded in 2000 by neuroscientist Dr. Evian Gordon, PhD.

#### Created **Neuroscientific Consensus**:

- Our Total Brain has 4 core capacities: Emotion, Feeling, Cognition and Self-Control
- Each capacity can be measured by 3 core markers (e.g. Cognition: Memory, Focus, Decision)

A\$50M of R&D delivered scientifically validated digital tools that assess, monitor, screen and train the brain at the level of the markers of capacity

Recapitalized in December 2017 with new management team, **A\$14M in debt** conversion (Och-Ziff) and A\$10M of working capital raised with public markets institutionals, family offices, and angels

Currently scaling platform and diversifying market - powered by the largest standardized neuroscientific database in the world



Over 1,000 Clinicians



#### **B2B Customers**









#### **Channel & Affinity Partners**















## **CORPORATE OVERVIEW**

ASX: BRC

#### **Market Capitalisation and Enterprise Value**

Ordinary shares on issue	m	531.3
Share price (17 Oct 2018)	A\$/share	0.04
Market capitalisation	A\$m	\$21.3m
Debt & Convertible Pref's (as at 31 Mar 2018)	A\$m	\$0.0m
Cash (as at 30 Sept 2018)	A\$m	(\$4.5m)
Enterprise Value	A\$m	\$16.8m

### **Top Shareholders (17 Oct 2018)**

Name	Shares Held (m)	% of Shares on Issue
HSBC Custody Nominees (Australia) Limited	203.3m	38.3%
Buttonwood Nominees Pty Limited	19.0m	3.6%
Stuttgart Pty Limited	17.6m	3.3%
Top 20 Shareholders	360.5	67.9%

#### **Share Price History (A\$)**



#### **Board of Directors**

Name	Position
Evian Gordon	Executive Chairman (CMedO)
Louis Gagnon	Managing Director (CEO)
Ajay Arora	Non-Executive Director
Stephen Koslow	Non-Executive Director
Matthew Morgan	Non-Executive Director

## Brain Resource®

### THE PROBLEM

WITHOUT OBJECTIVE, ACCESSIBLE AND AFFORDABLE DATA ON OUR OWN BRAIN, WE REALIZE A FRACTION OF OUR POTENTIAL AND MAY UNDULY SUFFER FROM MENTAL HEALTH CONDITIONS

- 1. Without data on our brain's capacity to process emotions, feelings, cognition, social connections and resilience
  - => we do not optimize our capacity to deliver better work product or relationships at home or at work
- 2. Without data on the impact that life events have on our brain capacities
  - => we do not optimize our life choices
- 3. Without knowing if a mental condition is temporarily impairing our brain capacities
  - => we live through unnecessary misery and cost an incremental \$7,000 per year in health care and productivity loss<sup>(1),(2)</sup>

### **Today:**

- 20% of the US population is experiencing a mental condition<sup>(3)</sup>
- 50% of the US population will experience a mental condition at least once in their lifetime<sup>(4)</sup>
- 50% of all conditions are undiagnosed/untreated<sup>(3)</sup>

#### Sources:

<sup>1. \$1,601</sup> in productivity cost according to Inc Magazine, <a href="https://www.inc.com/matthew-jones/how-mental-health-can-save-businesses-225-billion-each-year.htm">https://www.inc.com/matthew-jones/how-mental-health-can-save-businesses-225-billion-each-year.htm</a>

<sup>2. \$5,470</sup> in healthcare cost according to BCBS, The Health of America, "Major Depression: The Impact on Overall Health", May 2018; D. Witters, et. al., "Depression Costs U.S

<sup>3.</sup> NIMH <a href="https://www.nimh.nih.gov/health/statistics/mental-illness.shtml">https://www.nimh.nih.gov/health/statistics/mental-illness.shtml</a>

<sup>4.</sup> Center for DiseaseControl, https://www.cdc.gov/mentalhealth/data\_publications/index.htm

## **OUR SOLUTION:**



#### DIGITAL ASSISTANT FOR BRAIN MONITORING AND TRAINING

#### **Monitor Capacities**

20-Minute Clinical Assessment

Understanding the Total Brain 12 markers of 4 capacities

Screening of 7 Disorders – Brain Performance Context (no stigma)

Your Brain Performance

For optimal performance, your brain needs:

Your Emotion is in the 45th percentile.

Your Resilience is your greatest strength.

Your Mood Control is a weakness but it does

Attention

Your performance may be impaired by

additional factors

LEARN MORE

Your Next Steps

High emotional capacity.

No impairing weakness.

not impair your performance.

Has Room to Improve @

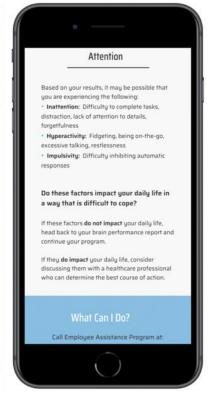
User-Initiated EAP or **Professional Referral** 

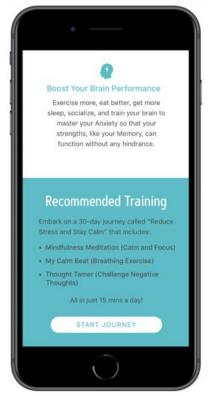
#### **Train Capacities**

Self-Improvement with Targeted Mind-Body-Brain Training









### **DEFENSIBILITY**



#### SOLUTION IS POWERED BY UNIQUE PROPRIETARY ASSETS



The ONLY consolidated digital neuroscientific assessment of the Total Brain – Emotion, Feeling, Cognition, Self-Control Clinically validated with 10 publications



The world's LARGEST standardized neuroscientific database 1M data sets including 54K EEGs, 542 MRIs, 2K GWAS Database generated over 300 brain research publications



**29 Brain Trainings executed 16M times** - published impact of trainings on specific performance drivers

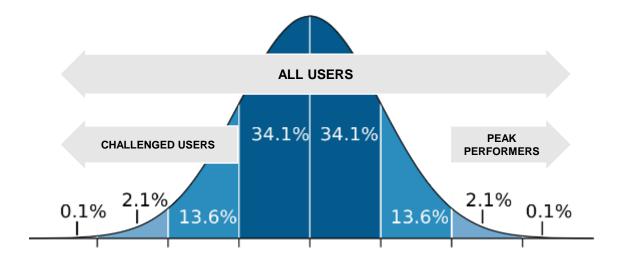
TLEX Institute Exclusive Partnership - leader in teaching Mind-Body restoration techniques to Fortune 100 companies



## **UNPRECEDENTED BENEFITS**

FOR END-USERS

#### **BRAIN PERFORMANCE**





### **END-USERS**



#### **FOR ALL USERS:**

 MONITOR AND TRAIN all capacities for optimal performance at-work and at-home

#### FOR THOSE CHALLENGED BY CONDITIONS:

- Know impact of condition(s) on brain capacities
- Self-monitor impact of meds/therapy on brain capacities
- Access data necessary to manage rehabilitation or recovery

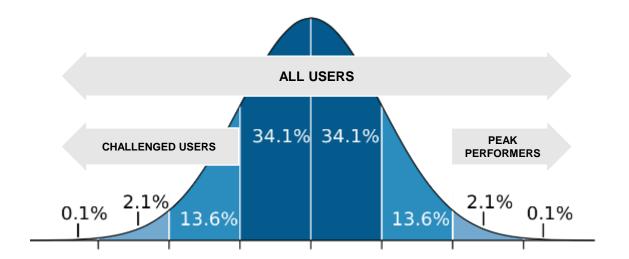
#### **FOR THOSE PEAK PERFORMERS:**

- Know what exceptional gift(s) drive peak performance
- Maintain/reinforce advantage

## UNPRECEDENTED BENEFITS

FOR COMPANIES AND PAYERS

#### **BRAIN PERFORMANCE**





### **COMPANIES/PAYERS**



#### **BUSINESS IMPROVEMENT:**

- Brain training
  - 7% productivity improvement (2017 data, 23 corp. customers)
  - Total solution cost / Productivity benefits of training = avg ROI of 7
  - 38% reduction in mental health claims (case study)
- Brain Screening
  - \$8,000 each time undiagnosed case gets to successful treatment
- General Performance
  - Better brain performance drives better outputs and engagement

#### **POPULATION INSIGHTS:**

- · Custom population benchmark
- Brain performance vs. employee data vs demographics
- Brain performance vs. business performance / talent performance /wellness program effectiveness

## **GO-TO-MARKET FOCUS AND OPPORTUNITIES**



H2 CY2018 / CY2019 FOCUS



**B2C OPPORTUNITIES** 

(Testing Now)

Consumer Platform with High Potential Average Revenue per User (e.g. Focus@Will)

#### **Two Revenue Streams**

- **Consumer Subscription**

#### Distribution

5 Channel Partners (e.g. Mercer)

**B2B OPPORTUNITIES** 

(Scaling Now)

SaaS Platform with Large ACV

and Multi-Year Contracts

(e.g. Boeing, Accenture)

Direct B2B

**Two Core Products** 

Total Brain Platform

**Total Brain Screening** 

#### Lead Generation (Advertising)

#### Distribution

- Consumer Affiliates (e.g. AARP)
- Direct B2C

**FUTURE OPPORTUNITIES** 

## **COMPETITIVE ADVANTAGE**



#### INTEGRATED APPROACH IN A WORLD OF POINT SOLUTIONS

# We are the **only** confidential, self-service, neuroscience-based solution for **BRAIN PERFORMANCE MONITORING, SCREENING AND TRAINING**

	MON	TRAINING		
Alternative Solutions	Assess and Benchmark All 4 Brain Capacities Through 12 Markers	Screen for 7 Mental Health Conditions thru Capacities	Mind- Body	Capacity- Specific
TotalBrain	✓	Sack-end process. About performance, not disease	✓	<b>√</b>
Health Risk Assessments (HRAs) (Wellsuite IV, WebMD, Rallye, Optum, Virgin Pulse, Staywell, Limeade, Provant, Castlight, Aetna, Envolve, HealthStatus, Medikeeper,)	General State of Wellness only	Physical focus. Few disorders . Stigmatizing	X	X
Neuroscientific Assessments (Cambridge Brain Science, Cognifit)	X Cognition only	X	X	X
Disorder Screening Tools (Public questionnaires, M3, Medibio, Mindstrong)	X	Questionnaires: tedious, stigmatizing Device tracking: few disorders, invasive, stigmatizing	X	Х
Wellness Solutions (MeQuilibrium, eMindful, Lantern, MyStrength, Whil, MindfulLabs, Headspace, Calm, Happify)	X Stress-Emotion Only	X	<b>√</b>	Х
Brain Training Apps (BrainHQ, Lumosity)	X	X	X	<b>√</b>

## INVESTMENT LANDSCAPE



#### THE ONLY PUBLICLY-LISTED PLAY IN MENTAL HEALTH START-UPS



US\$4.5B of capital went to digital health players in Q3 CY2018 alone<sup>(1)</sup>

The Mental Health & Wellness sub-category has received \$625M+ in 234 deals since 2013<sup>(2)</sup>

Brain Resource provides direct public markets exposure to a rapidly-growing segment of tech

	Brain Resource®	COMPANY 1	COMPANY 2	COMPANY 3	COMPANY 4	COMPANY 5	COMPANY 6	COMPANY 7	COMPANY 8
Valuation (USD) / Capital Raised (USD) / Lead Investors	\$15mm / >\$40mm / Och Ziff	Unknown / \$12mm / LFE Capital	\$72mm / \$26mm / TT Capital Partners	\$320mm / \$74mm / Spectrum Equity	\$37mm / \$22mm / Mayfield Fund	\$140mm / \$79mm / FirstMark Capital	\$30mm / \$25mm / Chrysalis Ventures	Unknown / \$7mm Raised / Angels	Unknown / \$15mm Raised / Angels
Notes	A robust platform with a clinically validated assessment, mind-body and brain exercises, deep reporting and analytics, and the ability to impact both emotion and cognition, or the total brain	Mind-body only, no brain exercise; No assessment; 2.5x MBS price	Mind-body and brain exercises; weak questionnaire	Mind-body only, no brain exercise; No assessment; 50% more than MBS price	Mind-body only, no brain exercise; Simple quiz.	Brain exercises only, no mind- body; Very focused on memory. Fit test on games, but no clinically validated assessment; 2x MBS price	Stress and resilience focused; not brain focused; Limited questionnaire is not a clinical assessment; Dashboard and analytics are basic		Mind-body only, no brain exercise; No assessment; 4.5x MBS price

<sup>1.</sup> MobiHealthNews



## 2. BUSINESS UPDATE

CONTACTS

PROGRESS VS. CY2018 OBJECTIVES FINANCIAL UPDATE PRODUCT UPDATE **ISPOT UPDATE** LOOKING AHEAD



## CY2018 OBJECTIVES

#### PROGRESS AS OF 30 SEPTEMBER 2018



	OBJECTIVE	TIMEFRAME
	Grow CY2018 total revenue 100% to US\$3.2mm (from US\$1.6mm in CY17)	CY-18
FINANCIAL &	75%+ Recurring SaaS-based revenue (from 60% in CY17)	CY-18
USER KPIS	Grow Total User Registrations 100% (from 223k in CY17)*	CY-18
	Grown Total Brain Profiles 100% (from 131k in CY17)*	CY-18
	Upgrade MBS value proposition, new features & UX	CY-18
PRODUCT	Transition to scalable cloud-based software infrastructure	Q2-18
PRODUCT	Complete iSPOT GWAS, explore Strategic Options	Q2-18
	Rebrand MBS to TotalBrain	Q3-18
	Enable sale of unmarketable parcel share	Q1-18
CORPORATE	Appoint 3 New Advisors & 1 New Board Director	Q1-18
CORPORATE	Complete hiring plan (80%+ completed in Q1 CY2018)	Q1-18
	Increase media engagement and PR	CY-18

#### **PROGRESS TO-DATE**

#### **FINANCIAL KPIS**

Ongoing. As planned, new product expected to deliver impact in Q4 CY2018, with an additional 2 B2C Affinity contracts launching in Q4 CY2018

#### **PRODUCT**

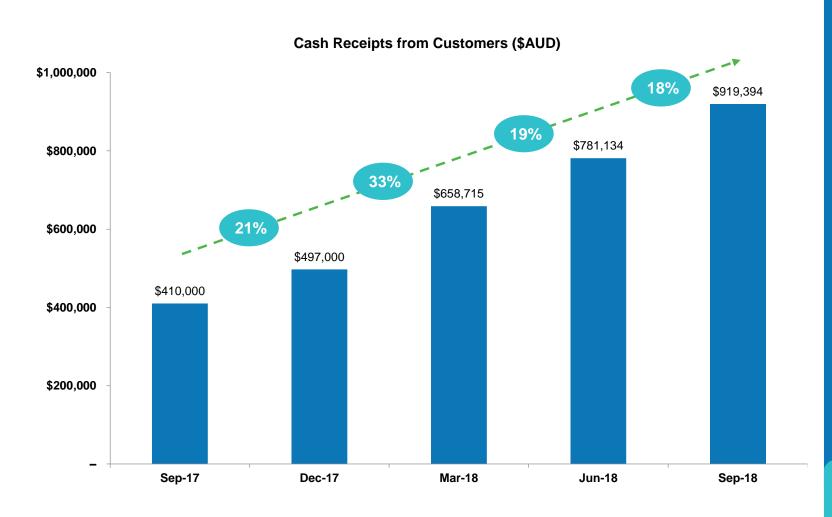
Completed. New team, systems, platform, product and brand launched on-time and on-budget

#### **CORPORATE**

Completed

### FINANCIAL UPDATE QUARTERLY CASH RECEIPTS





### 23% AVG. QUARTERLY GROWTH IN **CASH RECEIPTS DURING PAST 12 MONTHS TO 5-YEAR HIGH OF** A\$919K

#### 2.25x INCREASE YEAR-ON-YEAR

Focus on cash growth amidst significant operational changes

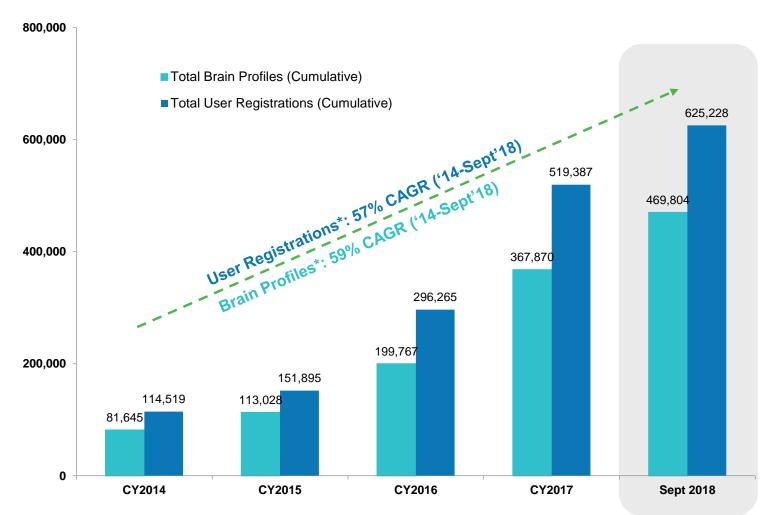
### SAAS REVENUE MODEL ENABLING **RECURRING REVENUE INCREASE**

New Total Brain platform and Screening product to drive additional run-rate growth in the coming quarters

## FINANCIAL UPDATE

#### USER KPIs





#### Note:

Table represents cumulative actual figures through the quarter ended 30 September 2018. User Registrations defined as total individuals who create a registration in Brain Resource system. Brain Profiles defined as number of total assessments captured. User Registration figures exclude employer-pre-registered users. Brain Profiles figures include multiple assessments taken by same user.

## CONTINUED GROWTH IN USER KPIs CY2018 YTD

# 32% (151k) INCREASE IN USER REGISTRATIONS YEAR-ON-YEAR

Achieved without the full benefit of the new Total Brain product (launched in September 2018) or new AARP contract (to be launched in Q4)

# 45% (145k) INCREASE IN IN BRAIN PROFILES YEAR-ON-YEAR

Simplified registration funnel has enabled more rapid user conversion and engagement in CY2018

#### **BIG DATA PLAY**

Reinforces the value of the neuroscientific database, underpins customer engagement and product development

## Q3 FINANCIAL UPDATE



#### REVENUE GROWTH - Q3 YTD CY2016-CY2018

	Calendar Year To Date				
\$A in 000s	Q3 2016	Q3 2017	Q3 2018		
<b>Total Revenue</b>	\$2,250	\$1,525	\$2,121		
Y/Y Growth - %		-32%	39%		
MBS/TB Revenue	\$1,248	\$1,086	\$1,801		
Y/Y Growth - %		-13%	66%		
Recurring Revenue - %	55%	71%	85%		

<b>Contract Won</b>	Description	Value (\$)
<b>AARP</b> °	2-yr. Direct contract	\$1,528
BOEING	Expand to union workers (47k)	\$230
neuro <b>Care</b>	4-yr. EEG software/data license	\$150
Nationwide <sup>®</sup>	New Screening product sale	\$25
<b>Total Contracted Revenue</b>	ue	\$1,933

Note: American Association of Retired Persons ("AARP") contract with minimum of A\$675k and maximum of A\$6M over 2 years. Contractual maximum based on

## CONTINUED GROWTH IN PUBLIC KPIs DURING CY2018

## 39% Y/Y GROWTH IN TOTAL REVENUE

YTD growth reverses negative trajectory from prior period and achieved without the redesigned MBS/TB platform or new screening product sales

## 66% Y/Y GROWTH IN MBS/TB REVENUE

Fueling strategic shift in mix towards recurring SaaS revenue (85% of total)

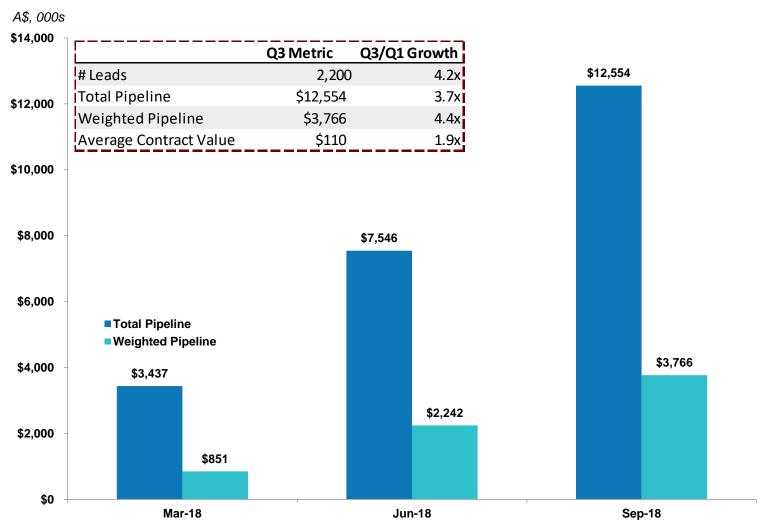
# PRE-TOTAL BRAIN LAUNCH MARKET VALIDATION

4 major contracts won ahead of company and product revamp

### **B2B PIPELINE GROWTH**



#### STRONG SALES LEAD GENERATION CY2018 YTD



Note: Figures demonstrate the growing size of the B2B sales opportunity set throughout CY2018. Pipeline represents an annualised amount for the clients that have been qualified as prospective leads by marketing and sales. The 30% weighted conversion rates are an assumption based on where a lead is in the sales cycle. Actual revenue is subject to conversion of pipeline to invoiced sales.

## SIGNIFICANT GROWTH IN SALES PIPELINE CY2018 YTD

## 3.7x TOTAL SALES PIPELINE Q3/Q1 AND 4.4x WEIGHTED

Driven by a steady q/q increase in marketing leads to 2,200+ currently, and featuring an average % probability weighting of 30% across the pipeline

## 2x AVERAGE CONTRACT VALUE (ACV) VS. CURRENT TO A\$110K+

Driven by the combination of (i.) strategic targeting of larger B2B SaaS contracts, (ii.) increased pricing, and (iii.) screening product offering

### SCREENING PRODUCT DEMAND DRIVING SHORT-TERM PIPELINE TO HIT CY2018 TARGETS

A\$200K+ ACV pricing and upfront delivery and recognition under AASB15

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## POTENTIAL OF NEW B2C PARTNERSHIPS



#### TESTING OPPORTUNITIES FOR THE B2C AFFINITY MARKET

#### **Initial Target Partner Opportunities**

Partner	Monthly Visits <sup>1</sup>
Focus@Will (executing now)	1M
Top Healthcare Portal 1 (pilot planning in process)	126M
Top Healthcare Portal 2 (pilot planning in process)	110M
Total Addressable Opportunity (Initial 3 Partners)	237M

Current targets in stages of partnership and testing.

Market opportunity is large. Multiple significant groups to target beyond initial targets.

#### **Illustrative Consumer Revenue Opportunity Modeling**

Annual Subscription Revenue (USD)	\$4.8M
(x) Subscription Price	\$65
Annual Paid Total Brain Subscribers	74K
(x) Conversion to Paid Subscription <sup>2</sup>	0.32%
Annual Traffic from Partner	23.6M
Subscription Revenue Potential	

Lead Generation (Advertising) Revenue Potential		
Annual Traffic from Partner	23.6M	
(x) Conversion to Converted Lead <sup>3</sup>	0.04%	
Annual Converted Leads	8K	
(x) Average Revenue per Lead	\$329	
Annual Advertising Revenue (USD)	\$3.1M	

Based on estimated 0.83% monthly traffic penetration across one year; Monetizing consumers with annual subscription and lead generation (advertising)

Total Annual Revenue Potential	USD \$7.9M	<b>AUD</b> (FX 0.72) <b>\$11.0</b>
Subscription Revenue	\$4.8M	\$6.3
Advertising Revenue	\$3.1M	\$8.6

#### (1) Traffic estimates calculated from <a href="www.similarweb.com">www.similarweb.com</a> and represent a 6 month traffic average from April 2018 – Sept 2018

3) Conversion based on estimates of 25% conversion of traffic to registration and 0.32% conversion of registered user to subscription

## OPPORTUNITY TO LEVERAGE AFFINITY GROUPS FOR B2C

## STRATEGIC PARTNERSHIP WITH FOCUS@WILL

Popular streaming service for neurooptimized music for productivity optimization (1MM active users)

## PLANNED PILOTS WITH 2 LARGEST U.S. ONLINE HEALTH PLATFORMS

Significant opportunity to test the fit and value proposition of Total Brain as a mental health offering for millions of active users

#### **FLEXIBILITY TO MONETIZE USERS**

Able to utilize both a Subscription as well as Lead Generation (Advertising) model

#### LARGE OPPORTUNITY TO SCALE

Multiple additional broad and specialized audience platforms to target

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<sup>(2)</sup> Conversion based on estimates of 25% conversion of traffic to registration and 2.5% conversion of registered user to subscription

## POTENTIAL REVENUE OPPORTUNITY



#### PENDING B2B PIPELINE CONVERSION AND SUCCESSSFUL B2C TESTING

B2B PIPELINE OPPORTUNITY	(A\$, 000s) (	US\$, 000s)
CY2018 Revenue Forecast	\$4,444	\$3,200
(-) Non-recurring Portion of CY18 Revenue	(\$356)	(\$256)
(+) CY18 YTD B2B Pipeline @ 30% Conversion	\$3,766	\$2,712
(+) Future B2B Pipeline Opportunities	ТВ	J
B2B Recurring Annual Revenue Potential	\$7,855	\$5,656

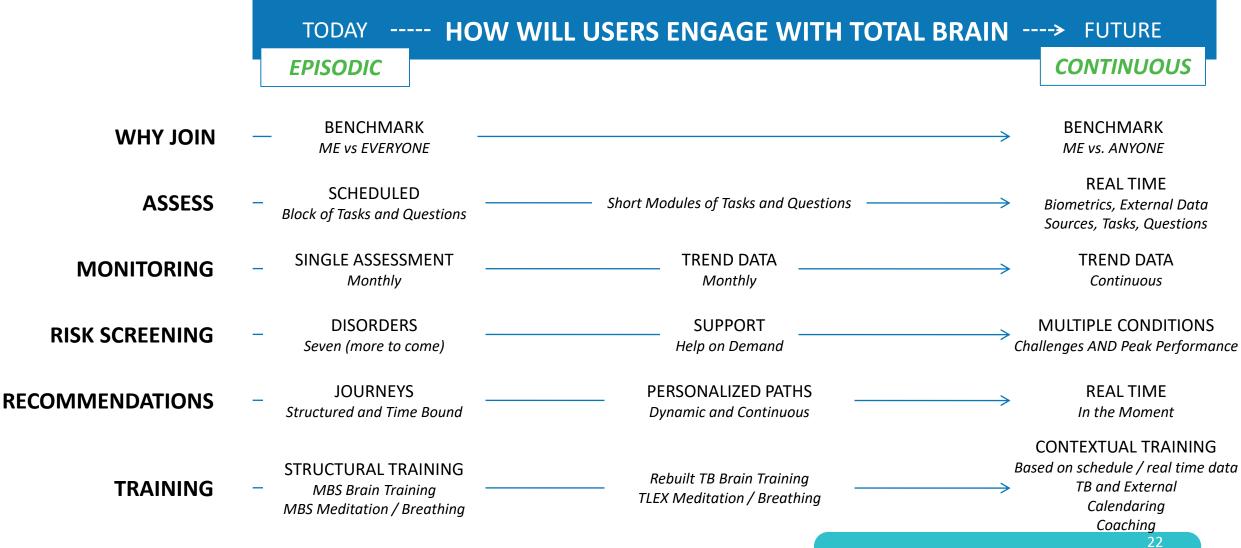
B2C PARTNERSHIPS POTENTIAL	(A\$, 000s)	(US\$, 000s)
Illustrative B2C Affinity Subscription Revenue	\$6,667	\$4,800
Illustrative B2C Affinity Lead Gen Revenue	\$4,306	\$3,100
(+) Future B2C Affinity Opportunities	TE	BU
B2C Partnerships Opportunity (Illustrative)	\$10,972	\$7,900

Note: Figures demonstrate the potential size of the B2B and the illustrative B2C opportunity set and do not represent a revenue forecast. Existing B2B Pipeline represents an annualised amount for the clients that have been qualified as prospective leads by marketing and sales. The 30% weighted conversion rates are an assumption based on where a B2B lead is in the sales cycle. The Illustrative B2C Affinity Subscription Revenue is an example of the size of the opportunity pending successful initial testing. Actual revenue is subject to conversion of the B2B pipeline and B2C opportunities to invoiced sales.

### PRODUCT UPDATE

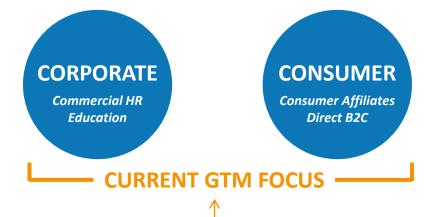


PLATFORM STRATEGY: BRAIN PERFORMANCE MONITORING, SCREENING AND TRAINING



### PRODUCT ROADMAP PRIORITIZATION





CLINICAL

Clinicians

Health Systems

HRA / EAP



**TBD** 

**Q4 Roadmap Focus:** 

- Expand Value of **Training** (impact / ROI)
- Drive Valuable Engagement (notifications)
- **B2C Affinity** (users / brain profiles / \$\$\$)

**Clinical Workflows** 

**Consumer Monetization** 

Core Total Brain Platform (Assessment, Training, Screening)



NOW

10s of Millions of Employees \$10s of Millions **NOW** 

10s of Millions of Users \$10s of Millions ~ 6+ Months

10s of Millions of Employees \$10s of Millions ~ 6 - 12 Months +

100s of Millions of Users \$100s of Millions

## **ISPOT UPDATE**



#### BACKGROUND & CURRENT STATUS

- iSPOT-D (International Study To Predict Optimized Treatment in Depression) was a clinical trial to identify objective predictors of treatment response to 3 of the most-commonly used anti-depressants: Escitalopram (Lexapro), Sertraline (Zoloft), and Venlafaxine-XR (Effexor)
  - 660 genetic variants or "SNPs" from 1,008 patients' bloods were analyzed (cognitive, brain imaging and genetics data)
- While the current business plan has been focused on the development of MBS (Total Brain), BRC has engaged in a low-energy/high-potential-return project to complete genetics data acquisition
  - The initial scientific analysis with 850k SNPs from a Genome-Wide Association Study was completed according to plan
  - The initial findings suggest positive results for the predictive ability of the iSPOT algorithms for the 3 iSPOT drugs together (i.e. based on the iSPOT test, a patient can find out if any 1 of the 3 drugs will work for them or not)
  - The next step, currently in process, is validating if the same is true for each of the 3 drugs individually (i.e. if the iSPOT test can help a patient find out if which one of the 3 drugs, specifically, will be effective for them)
- The healthcare investment bank hired to assist with evaluating the strategic alternatives for iSPOT, including licensing, commercialization, and M&A, has continued outreach to potential partners within 4 main verticals: (i.) diagnostics, (ii.) genomics, (iii.) pharmaceuticals, and (iv.) drug development
  - 11 have expressed initial interest to-date and next steps are largely dependent on the findings of the subsequent phase of scientific analysis

## **LOOKING AHEAD**



#### CY2018/CY2019 OUTLOOK

- The business is tracking against the corporate objectives, which remain unchanged
  - 39% year-on-year growth in total revenue and 66% in MBS/Total Brain revenue as of Q3 CY2018YTD
  - Priority remains to deliver a doubling of user registrations and revenue (to US\$3.2m in CY2018). Focused on closing pipeline of immediate Q4 screening opportunities with ACVs of A\$200k+ (3.5x+ the current ACV)
- Execution of Q4 product roadmap is in progress, including engagement tools (e.g. in-app user notifications) and enhanced mindbody training content
  - The Total Brain launch is the first step towards a vision of a continuous user engagement with the product
- Execution of the Company's B2B go-to-market approach
  - Solidified relationship with channel partners throughout CY2018. New product has been a pre-requisite for validation and increased traction by them (missed Q3 peak season). Just acquired Gold Partner status with Castlight. New partners soon to be announced
  - Company continues to believe that it has a robust solution for EAPs and HRAs. Discussions underway (long cycle)
- Expansion of the Company's B2C go-to-market approach via affiliates such as AARP and Focus@Will
  - Looking to maximize the size of the recurring revenue opportunity for BRC

## **KEY CONTACTS**



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## 3. APPENDIX

RESULTS AND CASE STUDIES
SCIENCE
TEAM

## RESULTS FOR COMPANIES / PAYERS



#### BRAIN PERFORMANCE, RISK MANAGEMENT AND PRODUCTIVITY

**Reporting Period:** Annual 2017 For 23 Corporate Customers

- This report is made available for all customers together with details at the capacity marker level and user demographics when available
- Screened risk conditions section is illustrative only given the Screening product was launched in September 2018

	ALL EMP	LO	YEES			
	BRAIN C	APA(	CITY			
n =25,260 (assessed 1 or mo	ore) Perce	ntile	Rank		vs. La	st Period
Overall		56				+0
Emotion		54				-4
Feeling		57				-3
Thinking		46			-7	
Self Regulation		66 +11		66		+11
	AT RISK PO	PUL	ATION			
Reported Stress and Productivity	% of Initial Assessmen		# of E	mp.	vs.	Last Period
Highly Stressed	7.8%		1,4	70		+2.5%
< 100% Productive	18.3%		3,40	03		-1.3%
Screened Risk Conditions	% of Initial Assessment	#	of Emp.	# Se		vs. Last Period
Aggregate <sup>(4)</sup>	12.5%	3	3,157	1,8	77	-1.4%
Depression	12.1%		3056	1,6	78	+2.5%
Anxiety	8.9%		2240	1,88	87	-1.3%
Addiction	7.3%		1841	99	8	+1.5%
ADHD	8.9%		2239	1,7	65	+2.1%
PTSD	2.1%		543	22	3	+1.3%
Social Anxiety	4.4%		1120	76	0	-1.9%
Sleep Apnea	1.8%		454	22	0	-1.4%

	BRAIN C	APACITY		
n =3,275 (assessed 2X and trained)	Perce	ntile Rank	vs. La	ast Period
Overall		61		+8
Emotion		55		+4
Feeling		63		+7
Thinking		47		+4
Self Regulation		72		+7
Vs Last Period based on 3,275 em employees who trained but did no those who did.	,	e most likely exp		,
employees who trained but did no	PRODU(	e most likely exp	erienced simila	,
employees who trained but did no those who did. n = 1,789 (assessed 2x and high-in	PRODU(	e most likely exp	erienced simila	r results to
employees who trained but did no those who did. n = 1,789 (assessed 2x and high-in n = 11,940 (all users who high-im)	PRODU(	e most likely exp CTIVITY Baseline	Post Training	Difference
employees who trained but did not those who did.  n = 1,789 (assessed 2x and high-in n = 11,940 (all users who high-im)  Physical Presence(1)	PRODU(	CTIVITY  Baseline 107%	Post Training	Difference +4.6%
employees who trained but did not those who did.  n = 1,789 (assessed 2x and high-in n = 11,940 (all users who high-im)  Physical Presence(1)  Mental Presence(2)	PRODU(	CTIVITY  Baseline 107% 80%	Post Training 111% 82% 92.73%	Difference +4.6% +2%

## **RESULTS FOR COMPANIES / PAYERS:**

## Brain Resource®

#### BRAIN PERFORMANCE AND MENTAL HEALTH CLAIMS

A large US healthcare company tracked and analyzed the change in pharmaceutical claims for employees who used Total Brain to train for better brain performance

#### WHAT WE LEARNED:

In the subgroup of people with the poorest sustained attention and anxiety scores, or the bottom 25% of the group:



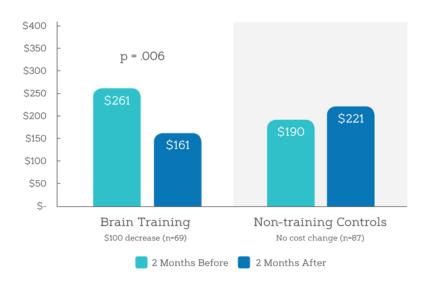
There was a \$100 reduction in total pharmaceutical cost after using Total Brain for a 2-month period



That equals a 38% reduction in cost

This reduction was not seen for people who registered for Total Brain, but did not go on to participate in any training exercises or fitness games on the site

## Total pharmaceutical costs during the 2 months before and after Total Brain



"TotalBrain (formerly MyBrainSolutions) brought on an ability for consumers to engage anytime, anyplace, on their own terms without having to talk to anybody."

- VP & Chief Medical Officer

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<sup>\*</sup> A group analysis in a major U.S. technology company showed that, for its 24% most vulnerable population (those employees with the poorest sustained attention), brain training corresponded with a 38% reduction in pharmaceutical medical claims: \$600 in annual savings per employee, if we assume constant training or long lasting effect of 2-month training.

<sup>\*\*</sup> Our internal data also shows that, for its 25% most vulnerable population of our top-6 clients, brain training corresponds to a cost reduction of 50% for absenteeism (net gain of 7 hours per week at a large US manufacturer) and 28% for presenteeism.

## THE SCIENCE:



#### TWO UNIQUE NEUROSCIENTIFIC ASSETS

## STANDARDIZED DIGITAL HOLISTIC BRAIN ASSESSMENT (2000 - 2003)

**Dr. Evian Gordon**, PhD, MD led the world's top neuroscientists over a two-year period in **standardizing** how to **define** and **measure** core brain functions.

#### **Standard: 4 Brain Capacities**

(Thinking + Emotion + Feeling + Self-regulation) can be measured by **12 capacity markers**.

**Example:** Thinking is measured by Memory (recall, working), Attention (sustained, controlled) and Executive Function.

**Asset Created:** Digitized the most valid "pen and paper" tests for each brain marker. **5,000 norms** were validated over time from more than **386K assessments**. A unique asset was created with no market equivalent. There has been **10 scientific publications** on the digital assessment alone.

## STANDARDIZED NEUROSCIENTIFIC DATABASE (2004 - 2017)

Digital assessment was part of a suite of **standardized data collection** tools used by 100s of laboratories and studies. These studies generated new assessments that fed the company's **proprietary standardized database**.

#### **Database Inputs:**

- 200 brain studies at Harvard, NYU, MIT, Stanford, Oxford, Cambridge, etc. Subsequently generated 300 publications (licensing)
- 20 clinical trials of psychiatric drugs (licensing)
- 2 clinical trials predicting drug effectiveness for Depression and ADHD - FDA approval possible in 2018 (proprietary)
- 600K+ individual brain assessments/brain trainings through employers and clinics (proprietary)

#### Data Types:

- 312K Cognitive
   Performance
- 386K Questionnaires
- 237K Brain Training
   Results
- 2K Genomics
- 54K EEGs
- 542 Structural and Functional MRIs

1M standardized data sets: largest in the world and continues to grow in 2018

## THE TEAM:

## Brain Resource®

#### EXECUTIVE LEADERSHIP



Louis Gagnon,
CEO / Managing Director
TPG (Ride), Amazon, Yodle



Evian Gordon, MD, PhD, CMedO / Chairman Brain Resource (Founder)



Matt Mund, COO Monster Worldwide, IBM



Marcel Legrand,
CRO
Vertical Knowledge, Blackfin Capital,
Monster Worldwide



Matt Resteghini,
CMO
Randstad Digital Ventures,
Monster Worldwide



Donna Palmer, PhD, CSO Brain Resource



Emil Vasilev,
Finance
Ride, Corsair Capital,
Barclays Capital



Meredith Haase, **Human Resources**Monster Worldwide,

Dechert

## THE TEAM:

## Brain Resource®

#### SELECT BOARD MEMBERS AND ADVISORS



Matthew Morgan,
Non-Executive Director
Millers Point, Sensera, Think Mobility,
Leaf Resources, Diversa, QIC



Patrick Manzo,

Advisor – Privacy/Security

Monster Worldwide



Ajay Arora,
Non-Executive Director
Netflix, Imgur, Amazon



Christopher Dolan,
Advisor – Technology
Sonos, ANSWR, Monster Worldwide



Non-Executive Director
Inaugural Director of the Human Brain Project at National Institute of Mental Health;
90 publications and 20 book chapters



John Rush, MD, Advisor – iSPOT (Depression)

Internationally-acclaimed depression psychiatrist
One of the "World's Most Influential Scientific
Minds" according to Thomson Reuters
Columbia, MD; Princeton, BS



Johann Berlin,
Content Partner
TLEX Institute, Business Insider



Glen Elliott, PhD, MD, Advisor – iSPOT (ADHD)

Child and adolescent psychiatrist at Stanford Principal Investigator in the largest study in improving the diagnosis and treatment of ADHD



Barbara Van Dahlen, PhD,
Advisor – Mental Health
Founder/President of Give an Hour
TIME's Magazine 100 Most Influential People in
the World



David Whitehouse, **Advisor – Health Systems** 

25 years of C-level experience in health care Former Chief Marketing and Medical Officer for Optum Health (part of United Insurance)