

A young boy and a woman are shown in profile, facing each other and smiling warmly. They are outdoors in a grassy field with yellow flowers in the background. The boy is on the left, wearing a grey t-shirt. The woman is on the right, wearing a light blue patterned top. The overall mood is positive and hopeful.

# Improving the lives of people with neurological conditions

## Investor Presentation

Neurotech International Limited (ASX: NTI) | November - December 2016

# Neurotech

# Neurotech Overview

- ✓ Focussed on the development & commercialisation of **regulated medical solutions** for **diagnosis & treatment of neurological disorders**
- ✓ **Innovative platform technology** to enable medical practitioners to remotely monitor & play an active role in home-based therapies
- ✓ Neurotech's **flagship device Mente Autism is an independently certified medical device** that provides neurofeedback therapy to children on the autism spectrum at home
- ✓ Initial Mente Autism sales throughout Europe & Middle East with **first material 'take or pay' distribution agreement signed**
- ✓ **Strong leadership** with highly qualified board & senior management team
- ✓ **Completed ASX IPO in November 2016, raising A\$7m**



# Operational Updates

- **Receipt of CE Marking for Mente Autism** at end of Sep 16, enabling Mente Autism to be launched & marketed in Europe & other existing markets
- **Manufacturing of first batches** of Mente Autism well advanced
- **Italy in-country registration & first shipments** of Mente Autism expected during December
- Selection of **Scientific Advisory Board** completed, finalising appointments
- Progressing patient recruitment for **US Clinical Trial**
- Intensive engagement with **current & potential distribution partners** during November's Medica conference in Düsseldorf



▲ Mente Autism kit

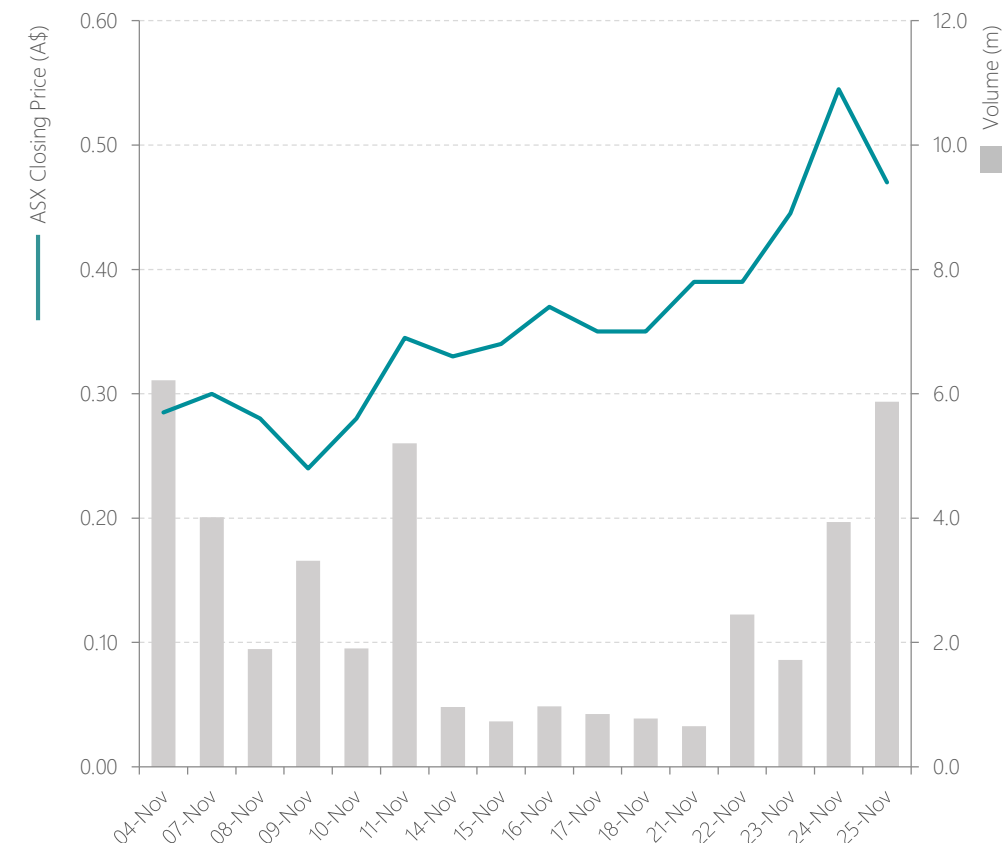
# Capital Structure

Capital Structure		
Ordinary Shares		88.0 m
Options		10.9 m
<b>Fully Diluted Capital<sup>1</sup></b>		<b>98.9 m</b>
Market capitalisation (at 25 November 2016)		\$41.4m
Net pro forma cash position post IPO <sup>1</sup>		\$6.1m
<b>Enterprise Value</b>		<b>\$35.3m</b>

Substantial Shareholders (>5%)	Ordinary Shares	%
Krystle Attard Trevisan	19,740,889	22.4%
Transcontinental Investments Pty Ltd	5,405,100	6.1%
Shimano Ventures Ltd	4,657,588	5.3%
<b>Sub-total</b>	<b>29,803,577</b>	<b>33.9%</b>
Other shareholders	58,231,535	66.1%
<b>Total shares</b>	<b>88,035,112</b>	<b>100.0%</b>

## Share Price & Volume from Listing<sup>3</sup>



**Notes:**

- As disclosed in Section 10.5 of Neurotech’s Prospectus, certain key management are entitled to additional shares in the future subject to retention and / or performance hurdles, and any necessary shareholder approvals:
  - Wolfgang Storf: 466,000 Shares to be issued on 1 October 2017
  - Dr Adrian Attard Trevisan: the rights to acquire up to 3,000,000 Shares (“Share Rights”), vesting in 3 tranches on the first, second and third anniversaries of Listing (4 November 2016)
- BDO Investigating Accountant’s Report (Sep 16, included as part of Neurotech’s Prospectus Disclosure).
- Bloomberg.

# Highly Experienced Board



**Peter O'Connor**  
Chairman (Non-Exec)  
MA, Barrister-at Law

- Deep experience in global funds management, asset allocation & manager selection advisory
- Held senior public company directorships (UK, Canada & Australia)
- Non-executive director of Northern Star Resources (ASX:NST)



**Peter Griffiths**  
Deputy Chairman &  
Non-Exec Director  
B.Sc. (Hons)

- 20 years of senior level leadership experience in software & data analytics with CA Technologies, IBM & Cognos
- Experience in management consulting & financial services
- Responsible for investment & strategy across five business units at CA Technologies, driving leadership in enterprise & growth markets



**Dr Adrian Attard Trevisan**  
Founder & Chief  
Scientific Officer

- Neuroscientist, founder of AAT Research & key developer of Mente
- PhD in Neuroscience (University of London), PhD in Human Physiology (Università degli Studi di Milano), Masters in Engineering & Audiological Sciences
- Research Fellow at Bedfordshire Centre for Mental Health Research (BCMHR) in association with the University of Cambridge



**Wolfgang Storf**  
Chief Executive Officer

- 20+ years experience in commercial, technical, operations & R&D in the pharmaceutical & medical industry, both for multinational & private businesses
- Previous roles include CEO of Novartis-Sandoz, GM of Johnson & Johnson & other senior management positions covering Europe, Latin America, Middle East, Africa, Canada & Asia



**Simon Trevisan**  
Non-Exec Director  
B.Ec, Llb (Hons), MBT

- 20+ years of experience in public & private investments, corporate finance & management of large public & private businesses
- Managing Director of Transcontinental Group
- Director of Regalpoint Resources (ASX:RGU), Zeta Petroleum (ASX:ZTA) & BMG Resources (ASX:BMG)



**Cheryl Tan**  
Non-Exec Director  
B.Sc (Hons), B.Comm

- 10 years of experience in corporate advisory & finance industry, across wide variety of engagements including project financing, general corporate advisory & M&A
- Associate Director at Azure Capital Ltd



# Overview of **mente** AUTISM



# Market Positioning & Opportunity

## Medical Neurotechnology

- Understanding & influencing the brain & nervous system
- 'Next frontier' in medical science
- **More than two billion people** suffer from a brain / nervous system illness
- **More than US\$3 trillion economic burden** on brain related illness
- **More than US\$169 billion in revenue** generated by medical neurotechnology market in 2014 (5% growth rate)

# Neurotech

sits at the confluence of  
two key growing  
industries

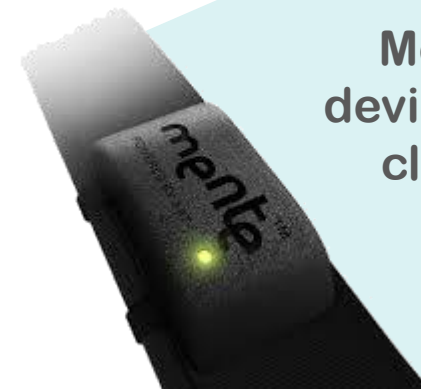
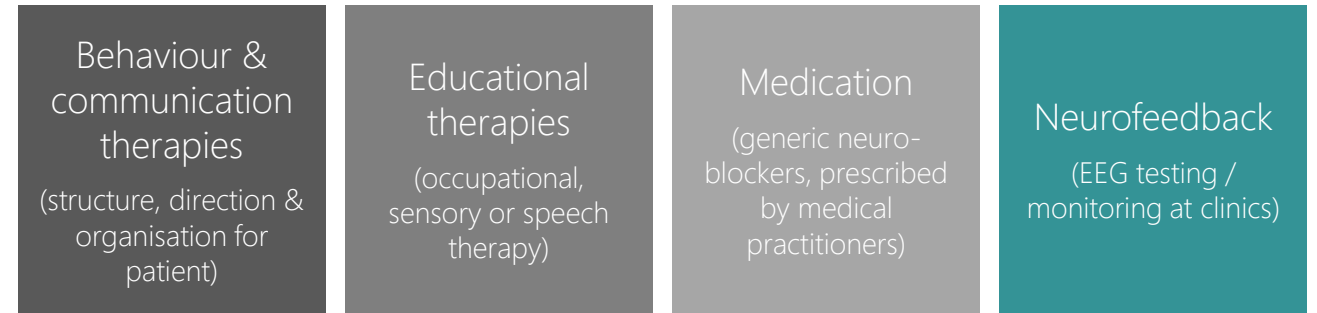
## Clinical Grade Home Care

- Health care moving toward precision-based personal care
- Particularly for lifestyle disorders & chronic disorders
- Driven by increased diagnoses & technological advances to bring hospital treatments & technologies into the home
- Increased adoption of regular monitoring to improve lifestyle & reduce medical costs
- Critical that clinician is still involved
- **Estimated US\$16.9b global revenue** for home based devices by 2019 (7% p.a. growth from 2013 - 2019)

# Autism Spectrum Disorder (ASD)

- ASD (or autism) is a lifelong development condition
- **One in 68 children** have some form of ASD
- **There is no cure**, so the goal of every treatment is to:
  - manage or reduce symptoms
  - lower the risk of additional developmental delays
  - improve lifestyle
- Patients have difficulties in learning, social interaction, communication, restricted & repetitive interests & behaviours, & sensory sensitivities
- Estimated financial impact:
  - **A\$50-60,000 p.a.**<sup>2</sup> best practice management in Australia
  - **US\$1.4-2.4 million**<sup>3</sup> lifetime cost of autism

## Standard treatments include<sup>1</sup>



**Mente Autism is the first medical device to bring a highly specialised & clinical grade treatment safely & affordably into the home**

Source:

1. As presented at the International Brain Stimulation Conference, March 2015
2. Study commissioned by the National Disability Insurance Scheme (to be released in 2016; "Autism experts' alarm over NDIS problems." the Australian, 20 Jan 16).
3. The Cost of Autism Spectrum Disorders in the UK & the US (JAMA Pediatric Journal, 9 Jun 14).



# Current Mente Platform



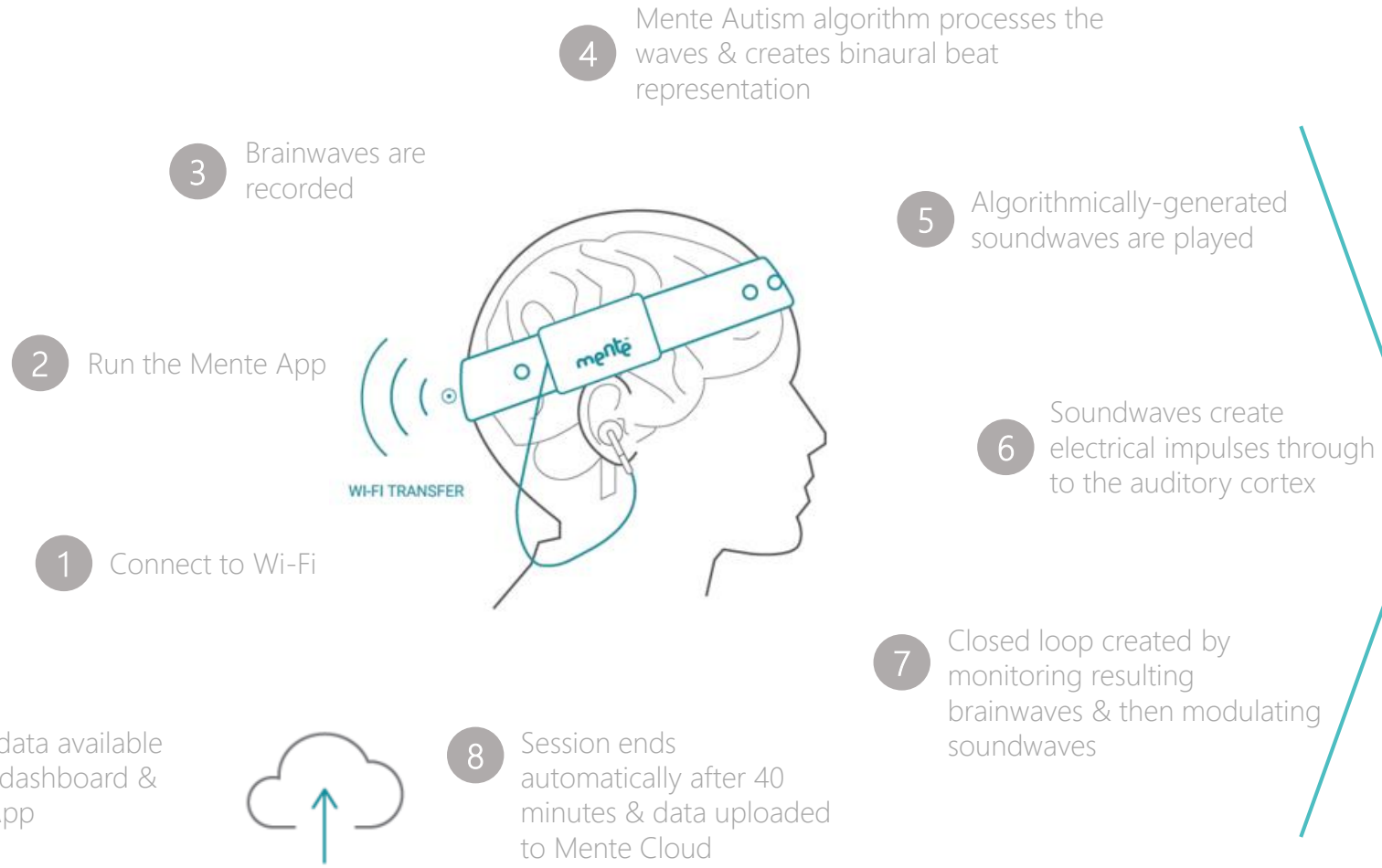
- ✓ **One central analysis hub** for medical professionals to diagnose & monitor patients remotely
- ✓ Shorter clinic queues, **no waiting time**

- ✓ **Trust-building** with medical professionals
- ✓ **Less disruption** for patients, with no need to go to into clinic

# How Mente Autism works



*Click for video link  
(opens external site)*



## Resulting benefits:

- Improved communication skills
- Enhanced concentration & behaviour
- Longer timeframes for actual learning

# Validation

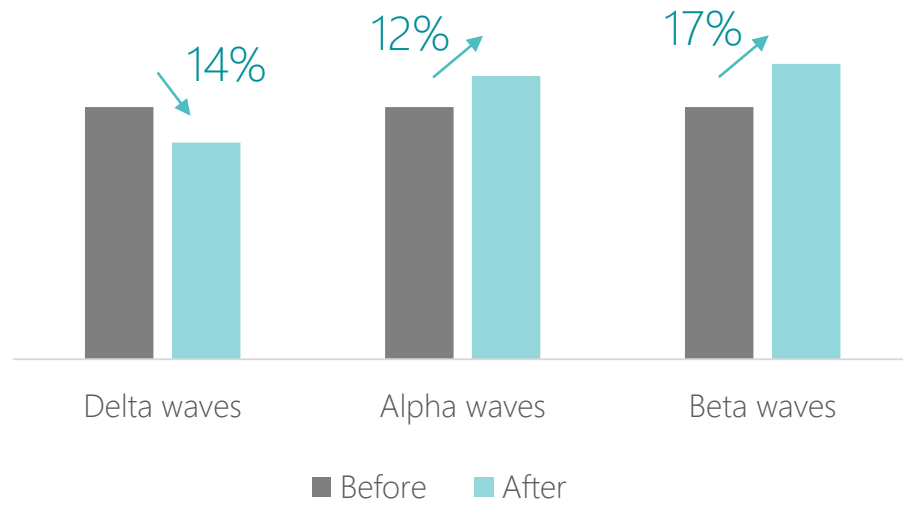
- Neurofeedback stimulation for autism management has been around since the late 1990's
- **Over 20 medical papers** published on studies of baseload EEG profiles & brain imaging of ASD children, the efficacy of neurofeedback as a treatment form for ASD & other neurological conditions & literature reviews
- **6 studies & presentations papers** published by the Company & the Company's founder, Dr Attard Trevisan, on Mente Autism & its foundational technologies
- **2 user studies conducted to date**, encompassing 33 patients  
Both studies showed significant improvement in the patients' EEG profile, behavioural improvements & improved communication
- **2 independent user studies & trials in Italy have been finalised, enabling Neurotech to progress with the Italian Distribution Agreement**  
4-patient user trial at one of Bologna, Italy's main hospitals, Ospedale Maggiore di Bologna, commissioned by ANGSA (Italy's main autism lobby group)  
4-patient user study, commissioned by Comitato Provinciale di Roma, the Italian Red Cross
- **Over 200 current active Mente users**  
Over 50% of those classified as having undertaken a statistically significant number of sessions were determined to have experienced significant physiological & behavioural improvements
- **Double blind, independent US clinical trial currently underway**



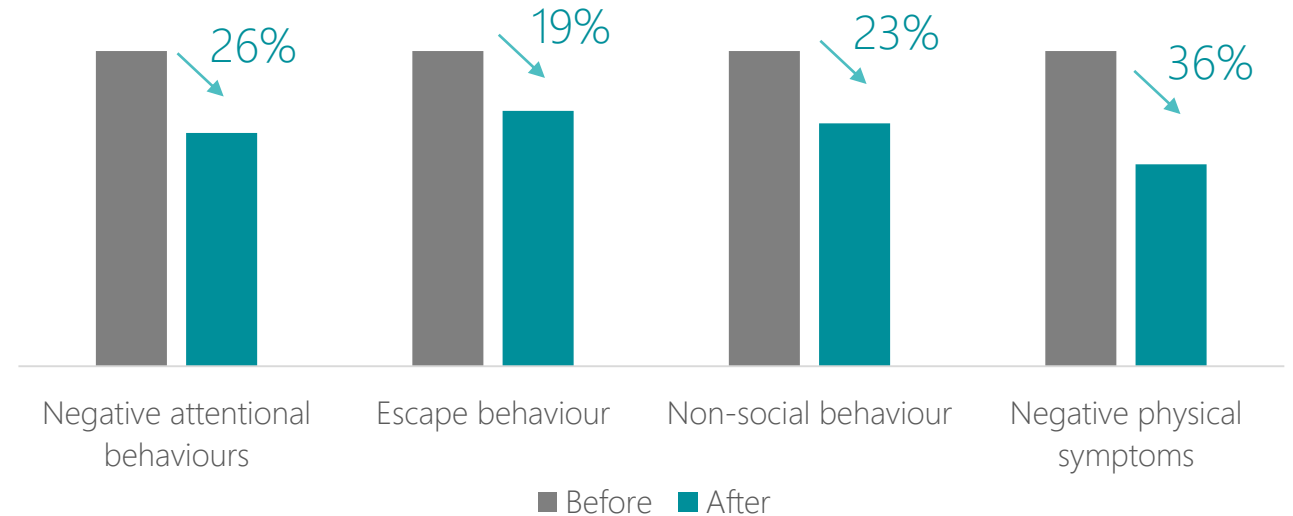
# 2015 Pilot Study<sup>1</sup>

- 25 participant study of children diagnosed with autism as undertaken to test the efficacy of a four-channel Mente system
- In people with autism, delta waves (normally associated with sleep) are abnormally high while alpha & beta waves (normally associated with focus & mental activity) are abnormally low
- After daily 40 minute sessions for 15 weeks the participants experienced **significantly decreased delta waves, significantly increased alpha & beta waves & noticeable behavioural improvements<sup>1</sup>**

Physiological Improvements



Behavioural Improvements

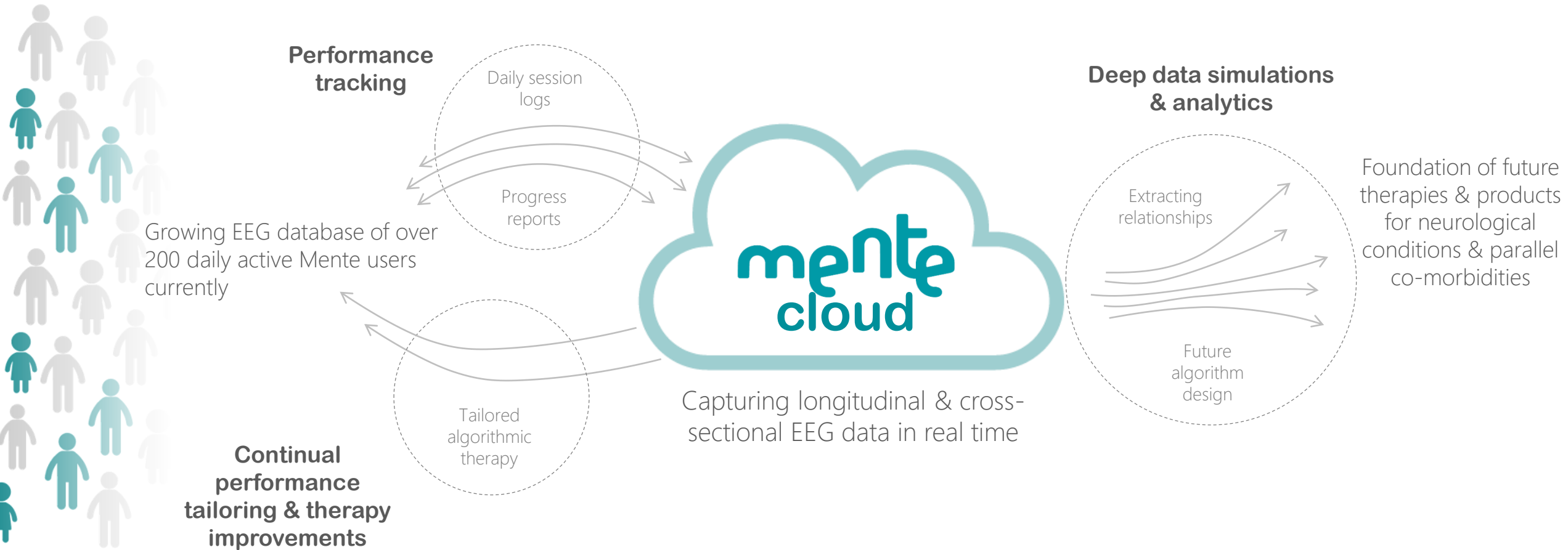


Source:

1. *Real-time sonified neurofeedback stimulation for the management & relaxation of patients on the autism spectrum* (Adrian Attard Trevisan, Paulo Cavallari, Nicole Caruana, Rita Micallef, Frederick Attard). Journal of Brain Stimulation, Volume 8, Issue 2. March – April 2015.

# Mente Cloud EEG Database

Future value driver that will underpin the significant generation of knowledge in Neurotech, enable continued improvements in existing therapy & drive development of future neurological therapies & solutions



# US Clinical Trial Underway

**ClinicalTrials.gov**  
A service of the U.S. National Institutes of Health

Find Studies | About Clinical Studies | Submit Studies | Resources | About This Site

Home > Find Studies > Search Results > Study Record Detail

Trial record **2 of 11** for: **Mente**  
[◀ Previous Study](#) | [Return to List](#) | [Next Study ▶](#)

### Neurofeedback Therapy for Children Diagnosed With Autism

**This study is currently recruiting participants. (see [Contacts and Locations](#))**  
*Verified June 2016 by Carrick Institute for Graduate Studies*

**Sponsor:**  
Carrick Institute for Graduate Studies

**Information provided by (Responsible Party):**  
Carrick Institute for Graduate Studies

**ClinicalTrials.gov Identifier:**  
NCT02773303

First received: May 12, 2016  
 Last updated: June 3, 2016  
 Last verified: June 2016  
[History of Changes](#)

Full Text View | Tabular View | No Study Results Posted | Disclaimer | [How to Read a Study Record](#)

**Purpose**

This project aims:

- to further explore the effectiveness of a novel sonified Neurofeedback management therapy for children diagnosed with Autism Spectrum Disorder (ASD)
- to determine if balance control is different before and after therapy

Condition	Intervention
Autism Spectrum Disorder	Device: <b>Mente™</b> Device: Sham

Study Type: Interventional  
 Study Design: Allocation: Randomized  
 Endpoint Classification: Efficacy Study  
 Intervention Model: Parallel Assignment  
 Masking: Double Blind (Subject, Caregiver)  
 Primary Purpose: Treatment

Official Title: Neurofeedback Therapy for Children Diagnosed With Autism

- **Double blind & independent clinical trial to be conducted in the US**
- 64 participant study, currently recruiting
- Undertaken in conjunction with the Carrick Institute, Florida, United States
- Institutional review board approval received from University of South Florida
- Highly esteemed researchers & investigators provisionally assembled
- Led by Professor of Clinical Neurology & Carrick Institute Founder, Frederick Carrick
- Initial results expected in Q2 2017



Source:  
 1. ClinicalTrials.gov, a service of the US National Institutes of Health (<https://clinicaltrials.gov/ct2/show/study?term=Mente&rank=2>).



# Certifications

CE 0426

CE Marking

- Mente<sup>1</sup> & Mente Autism both classified as a Class IIa medical device
- Regulated under the European Union Council Medical Device Directive 93/42/EEC



Food & Drug Administration Listed

- Mente<sup>1</sup> listed as a Neurological Biofeedback Medical Device classified as Class 2 (special controls) under regulation number 882.5050
- Fully-owned Neurotech subsidiary, AAT Medical<sup>2</sup>, is also registered as a developer of medical devices (Registration number: 3010806606) – required for selling medical devices in the United States



ISO 13485 Certified

- AAT Medical<sup>2</sup> is also ISO 13485 certified, & successfully passed the ISO annual audit in November 2016
- Meets specific requirements & guidelines for a quality management system, to develop & provide products & services, that consistently meet both customer & regulatory requirements

**Mente Autism CE Marking received in Q3 2016. FDA listing for Mente Autism targeted during 2017, with FDA clearance pathways being further investigated**

Notes:

1. Mente is the predecessor to Mente Autism.
2. AAT Medical is a wholly-owned subsidiary of Neurotech.

# Sales Strategy – Three Key Pillars

## Target Markets

- **Italy** – in country registrations currently being finalised, first delivery in December
- **Germany, Austria, UK & France as first priority** – staged commencement in 2017
- **North America as second priority** – following US clinical trial & FDA registration (with claims), commencing 2018
- **Australia** – CE Mark will assist with TGA approval, targeted for second half of 2017
- Emerging markets through existing distributors, with timing subject to outcome of review on these agreements & markets. Including Asia Pacific, Turkey, Middle East & Latin America

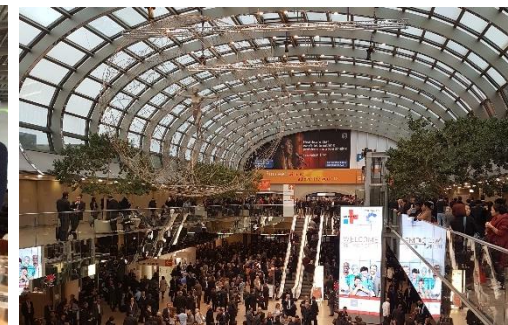
## Targeting Key Stakeholders

- **Government & regulators** – crucial to understanding any additional specific regulation / registrations & obtaining medical reimbursement for devices
- **Medical professionals / key opinion leaders** – critical to gaining acceptance of the technology within a region or country
- **Distribution / re-seller partners** – essential to identify & partner with the right distributor with experience in neurotechnology & good knowledge of local dynamics

## Revenue Model

- **Distributor / non-exclusive re-seller revenue model**
- Headband only RRP of ~€1,700 ex tax & local support, in initial target markets
- Refinement of ~30% target margin to new distribution partners
- Optional pre-configured tablet RRP of ~€150 ex tax
- Potential to introduce future subscription-based models for additional value-added services

L to R: at the Malta Research Facility, undertaking local training in Italy, at the Medica International Trade Fair in Düsseldorf



# Product Bundling

## Complete Mente Autism Kit



Comprising headband, power supply, earphones, sensors, Quickguide, cloud system & ongoing updates.  
Sensors, earphones & power supply are available for purchase separately.

## Optional Add-ons



Pre-configured & locked tablet



Remote support end-to-end



Support Hotline



# First Target Consumer Market – Europe

## United Kingdom

Population: 65 million

Target market: 32,500

## Germany, Austria & Switzerland

Populations: 98 million

Target market: 49,000

## Italy

Population: 61 million

Prevalence of autism: 1%

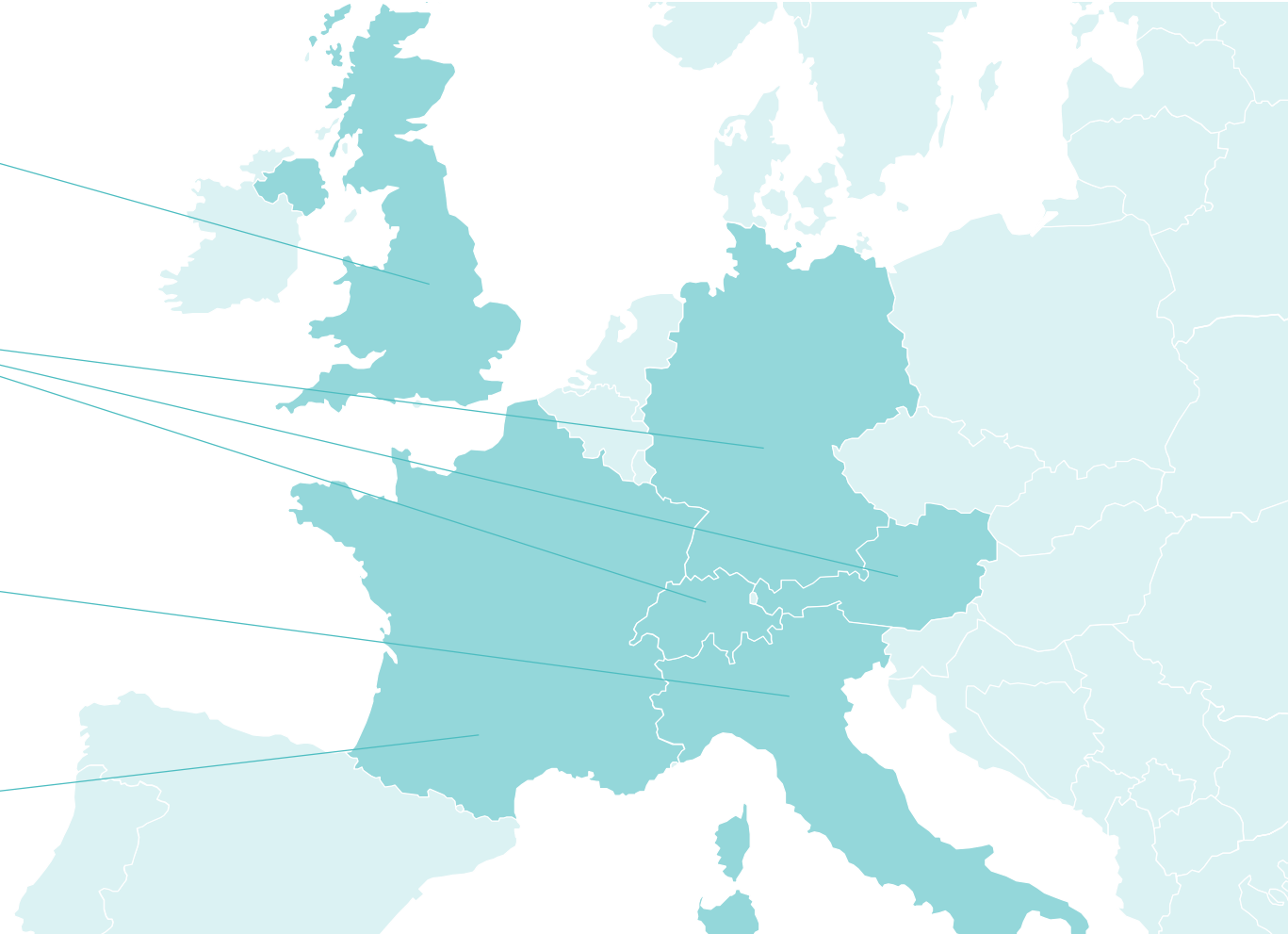
3-12 years target segment: 10% of autistic sufferers

Target market: 50% of segment, i.e. 30,500

## France

Population: 66 million

Target market: 33,000

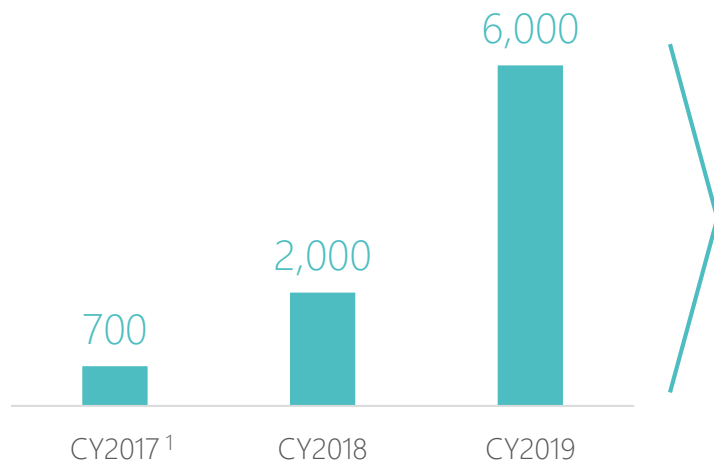


Seeking to penetrate >140k consumer market over next 24 months

# Italian Distribution Agreement

- First material exclusive Mente Autism distribution agreement signed in Dec 2015, delivery of first units expected by Dec 2016
- Covers Italy, includes an obligation to purchase a minimum of 8,700 units up to 2019 ('take or pay' basis)

## Minimum Purchase Quantities



At least ~20,000 units would need to be purchased over this period (2017 – 2019) if distributor wishes to retain exclusivity post initial term

- Through the distributor, Neurotech is working with key Italian stakeholders:
  - ✓ **Government** – to include neurofeedback as a recognised autism therapy in treatment guidelines, thereby making Mente Autism a reimbursable therapy
  - ✓ **Key opinion leaders & support groups** – through collaboration with ANGSA, Italy’s main autism lobby group, the largest support group for families in Italy, with access to 30,000 children with autism
  - ✓ **Medical professionals** – maintaining ongoing & direct contact with Italian medical authorities
- Training & preparatory marketing initiatives underway in Italy



Italian national association of parents with autistic children



Italian Distributor



COMITATO PROVINCIALE DI ROMA

Italian Red Cross

Notes:

1. Includes a small number expected to be shipped in December 2016.



**Our Future**

**Neurotech**



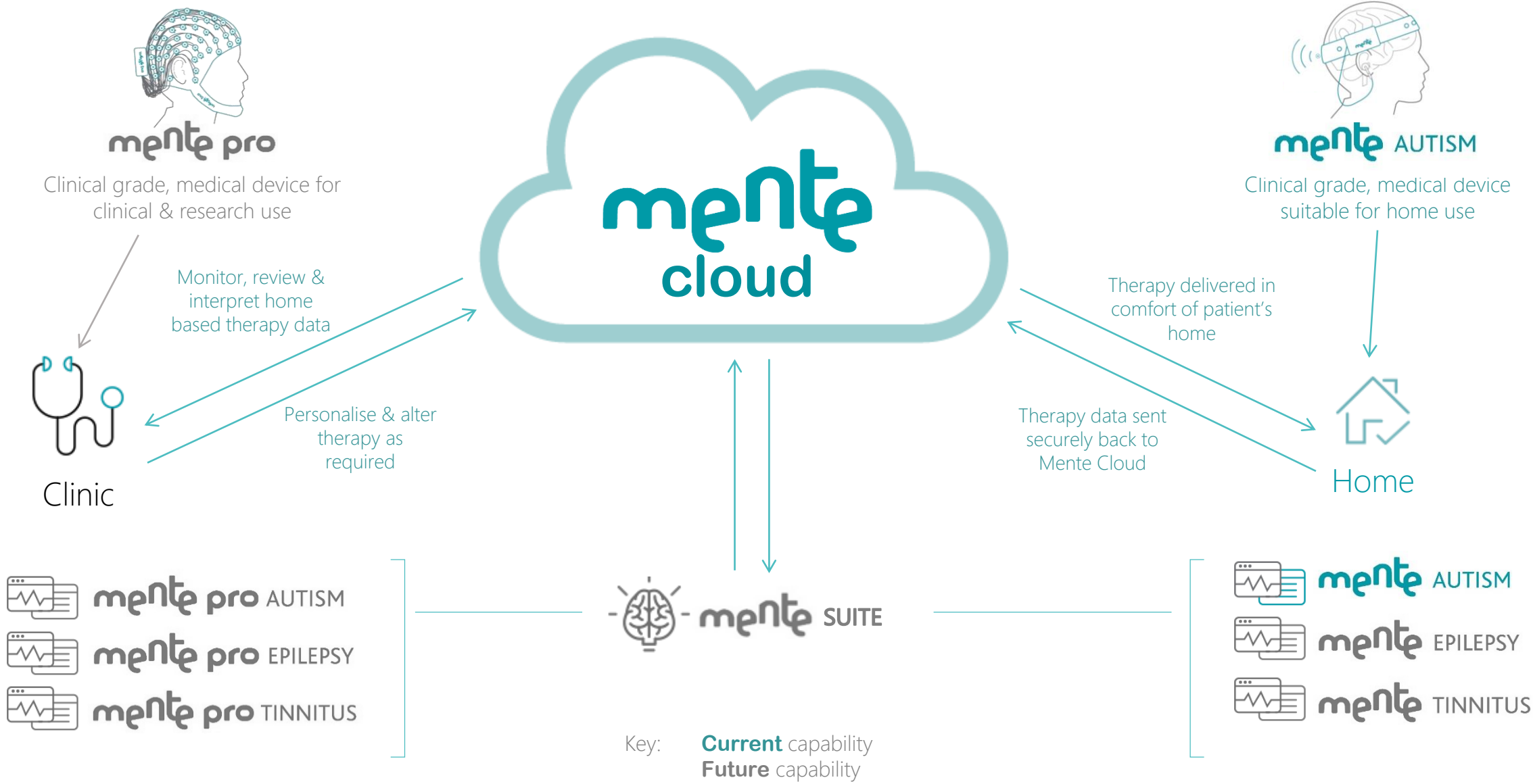
# Building Mente as a Platform for B2C & B2B users

Platform

Cutting-edge Hardware

Practical Application

Modular Software



# Key Achievements & Next Milestones

## Neurotech

Continuously reviewing & targeting new markets with Mente Autism & sales growth

Neurotech IPO Q3 2016

Mente Autism CE Marking Q3 2016

Mente Autism Launch Q4 2016

Appointment of Chief Commercial Officer Q4 2016

Appointment of Scientific Advisory Board Q4 2016

Mente Pro & Mente Suite Prototype Q1 2017

2<sup>nd</sup> International Brain Stimulation Conference, Barcelona Q1 2017

Mente Autism FDA Listing & TGA Approval 2017

Mente Pro & Mente Suite Launch Q4 2017

US clinical trial results Q2 2017



# Contact Details



## Company

Wolfgang Storf, Chief Executive Officer  
wolfgang.storf@aatr.com

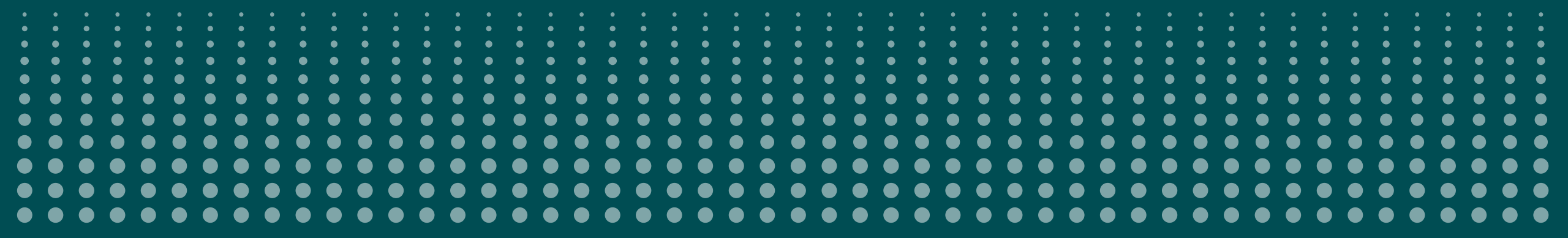
Neurotech International Ltd  
Level 14, 191 St Georges Terrace  
Perth Western Australia 6000



## Investor / Media Relations

Matthew Wright  
matt@nwrcommunications.com.au

NWR Communications  
Level 7, 333 Collins St  
Melbourne Victoria 3000



**Appendices**

**Neurotech**

# The Evolution of Mente

Since its first release in 2013, Mente has been successfully taken **from proof of concept into commercial reality.**

In addition to continued technological improvements, the Company is focussed on developing Mente as the **go-to platform to support a range of related neurotech applications**



- Proof of concept EEG device
- Simple cloth headband with Velcro fastening
- Two sensors
- Ear-piece / reference sensor
- Bluetooth connectivity
- Daily therapy reports
- Compatible with mobile & desktop devices (Windows)
- RRP €500

## Mente 2

Updated features:

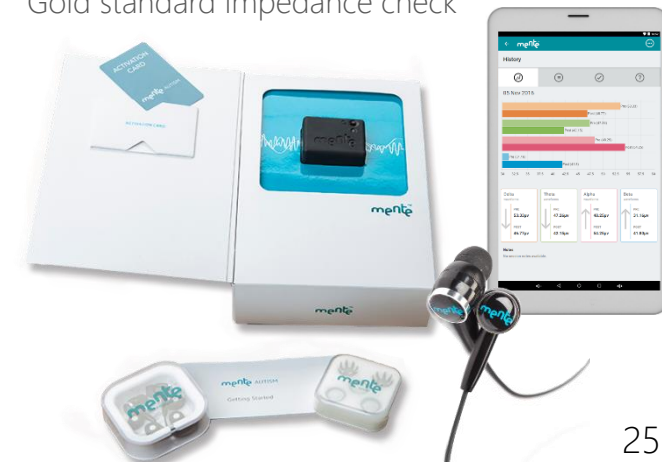
- Commercialised product
- Hypoallergenic & more ergonomic headband
- Four sensors
- No ear-piece, reference sensor retained
- Wifi connectivity
- Online user accounts & secure medical practitioner dashboard for direct access & remote monitoring
- Basic in-built impedance<sup>1</sup> check
- RRP €1,700



## Mente Autism

Updated features:

- Clinical grade retail platform, enabling neurotech applications in addition to autism management
- Self-contained headband, without requiring connectivity to mobile or desktop app during therapy session
- Full EEG monitoring with five high performance & interchangeable sensors
- Dynamic & real time therapy reporting to secure online platform
- Improved remote monitoring capabilities
- Gold standard impedance check



Notes:

1. Ensuring validity of signal & skin connectivity.



# Mente Autism's Key Features

- **Safe & easy home use**

Light & portable, Mente has been designed for home use. It is safe & simple to activate, requires little to no direct supervision & does not restrict users & data collection to a clinical setting

- **Personalised therapy**

Mente Autism uses unique technology to create personalised neurofeedback therapy specific to each user

- **Daily session reports**

These online reports record each session & provide graphs that track progress. Users can authorise healthcare professionals to access these reports

- **Advanced sensory & chip technology**

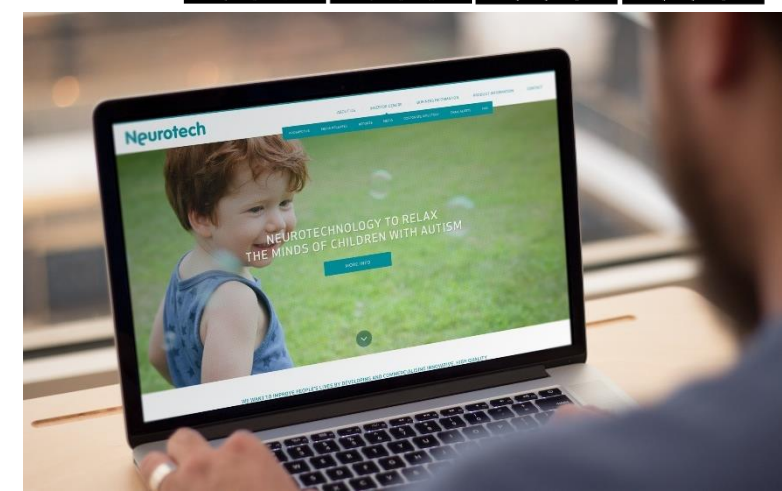
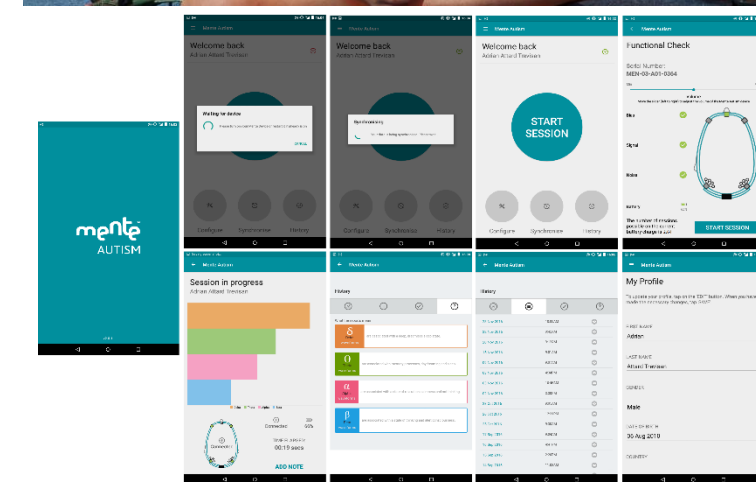
Mente's sophisticated sensors & built-in chip can pick up highly detailed & minute sensory neuro-electrical signals that are key for the ground-breaking therapy sessions & report generation

- **Connectivity**

Mente's built-in WiFi connection, that links the headset to the products software component, provides flexibility & mobility thanks to its signal reach allowing fast & efficient projection of results

- **Quantitative EEG (QEEG) clinical modulation**

Medical professionals can remotely upload clinical QEEG results into the system, boosting Mente's effectiveness - therapeutic binaural beats generated can now place greater emphasis on specific areas



# Collaborations & Awards

Partnerships & collaborations with key neuroscience & neurotechnology research institutes are key in the pursuit of continuous innovation & product excellence.

## Research Collaborations



UNIVERSITÀ  
DEGLI STUDI  
DI MILANO

- University of Milan



- Malta College of Arts, Science & Technology



- Inspire Foundation Malta



- University of Cardiff



UNIVERSITY OF MALTA  
L-Università ta' Malta

- University of Malta

## Awards

The Company has received the following awards & recognitions:

- Top prize for Technological Innovation at the 2012 Malta Innovation Awards (Mente device)
- Malta eBusiness Award 2013 for Best Application (Mente Mobile App)
- Epilepsy Prediction System recognised by World Intellectual Property Organisation for its level of innovation

# Mente Testimonials



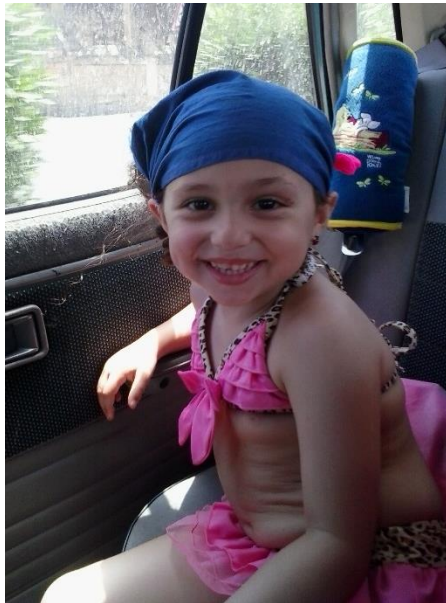
“ I have a five year old daughter Jade. She is autistic & we have been using Mente for the past 10 & half months. **We saw the first results after two weeks** – she said the word "I" instead of "Jade". And from then on, we saw results week after week.

Now **she can hold a conversation very well**, she chooses things to wear by herself & what to eat by herself.

I have a new friend & I've gotten to know her... before I didn't know her... We can go out, we can go to a restaurant, we can go to the beach... We can relax with her. **She's less hyperactive & she's more focussed...** I really recommend Mente because it really changed our lives.”

Julie Ellul

Parent of 5 year old ASD child | 10.5 months of Mente usage

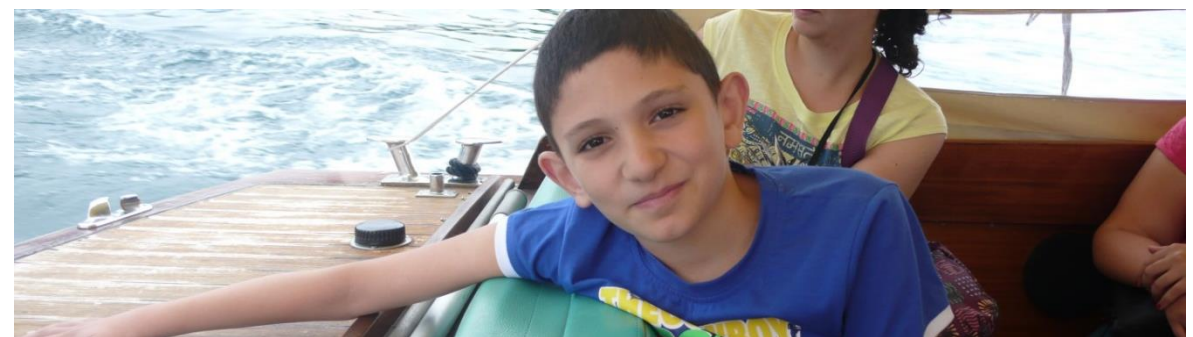


“ My son has been using Mente for the past two years. As he was diagnosed with ASD, we turned to Mente’s therapy for help. **Prior to starting the therapy sessions our son was highly non-verbal** & we communicated mainly through sign language. His disorder even made it difficult for him to undergo new experiences & adapt to different environments.

This changed when he started using Mente. The change we saw in him was staggering. He has become **significantly calmer & focussed & is able to communicate verbally**, now more than ever. Hearing my son talk & engage in discussion was, & still is, the ultimate gift I could have ever hoped for. The change in him was also remarked upon by his teachers, peers & friends, all saying that he had changed into a **more loving & sociable person**. By effectively helping our son, Mente has positively changed my family’s dynamics & for that, I do recommend it.”

Claire Florian

Parent of 9 year old ASD child | 2 years of Mente usage



# Disclaimer

This presentation contains forward looking statements that involve risks and uncertainties. These forward looking statements are not guarantees of Neurotech's future performance and involved a number of risks and uncertainties that may cause actual results to differ materially from the results discussed in these statements.

This presentation only contains information required for a preliminary evaluation of the company and in particular only discloses information by way of summary within the knowledge of the company and its directors. An investor should seek its own independent professional advice in relation to the technical, financial, taxation, legal and commercial matters relating to any investment in Neurotech.

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# Neurotech

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