# RHINOMED

NASAL DELIVERY

**INVESTOR UPDATE - OCTOBER 2018** 

#### IMPORTANT NOTICE

This document contains certain forward-looking statements, relating to Rhinomed Limited's (Rhinomed) business which can be identified by the use of forward looking terminology such as "promising," "plans," "anticipated," "will," "project," "believe," "forecast," "expected," "estimated," "targeting," "aiming," "set to," "potential," "seeking to," "goal," "could provide," "intends," "is being developed," "could be," "on track," or similar expressions or by express or implied discussions regarding potential filings or marketing approvals, or potential future sales of the company's technologies and products.

Such forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause actual results to be materially different from any future results, performance or achievements expressed or implied by such statements. There can be no assurance that any existing or future regulatory filings will satisfy any specific health authority and other health authorities requirements regarding any one or more product or technology nor can there any assurance that such products or technologies will be approved by any health authorities for sale in any markets or that they will reach any particular level of sales.

In particular, managements expectations regarding the approval and commercialization of the technology could be affected by, among other things, unexpected clinical trial results, including additional analysis of existing clinical data, and new clinical data; unexpected regulatory actions or delays, or government regulation generally; our ability to obtain or maintain patent or other proprietary intellectual property protection; competition in general; government, industry, and general public pricing pressures; and additional factors that involve significant risks and uncertainties about our products, technology, financial result, and business prospects.

Should one of more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described herein as anticipated, believed, estimated or expected. Rhinomed Is providing this information as of the date of this presentation and does not assume any obligation to update any forward-looking statements contained in this document as a result of new information, future events or developments or otherwise.



#### THE RHINOMED INVESTMENT OVERVIEW

#### HIGH POTENTIAL PROPRIETARY PLATFORM

Multiple applications across global OTC, Rx and
Device markets

Protected by family of 60 patents, 57 design patents and class leading brands

Addressable market of products in pipeline US\$39 billion+



#### **CONSISTENTLY DELIVERING ON KEY MILESTONES**

Two products in market - Turbine and Mute delivery \$2.1m (FY18)

Expanding global retail footprint to 11,000+ stores.

FY18 units shipped grew 50% year on year



#### **ATTRACTIVE NEAR TERM MARKET OPPORTUNITIES**

Fastest growing brand in US nasal snoring market

Snoring sleep aid market – US\$1.2 billion

Strong gross margins 70%+



#### **MULTIPLE VALUE CATALYSTS**

Two new products coming to market in CY19.

Decongestant and Anxiety/Sleep

Expanding store count in USA

Accessing and delivering on US medical cannabis opportunity

STRONG GROWTH FROM NEW STORES
AND SAME STORE SALES

CLEAR PIPELINE OF NEAR TERM, HIGH VALUE APPLICATIONS AND OPPORTUNITIES

#### THE RHINOMED TECHNOLOGY PLATFORM



#### AN INTERNAL NASAL STENT PLATFORM

- Nasal stent platform capable of delivering multiple solutions from simple dilation through to complex applications such as sensor or drug delivery
- Already adopted and used by clincians and patients in nasal obstruction, sleep, snoring and as a companion therapy for Obstructive Sleep Apnea.
- Registered Class 1 status with US FDA, Australian TGA, Canada Health, CE Mark from the European Authority and Taiwanese FDA.

#### DELIVERING YEAR ON YEAR REVENUE GROWTH



\*All figures provided in this presentation are on an unaudited basis

- 7 CONSECUTIVE QUARTERS OF GROWTH
- GENERATED FROM PREMIUM GLOBAL RETAIL PARTNERS

- TOTAL UNITS SHIPPED IN FY18 UP 50% YEAR ON YEAR
- STARTING FY19 Q2 WITH 11,000+ STORES STOCKING MUTE





















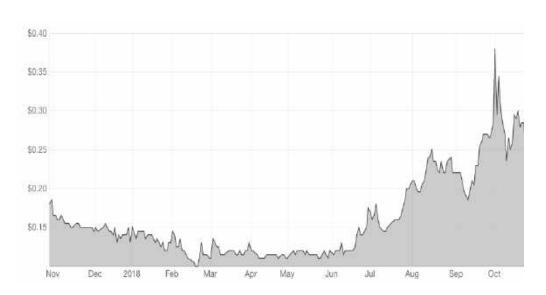






# **CORPORATE OVERVIEW**

#### **ASX:RNO**



FY18 FINANCIAL POSITION*	
Premium, global retail network	11,000+ stores globally
Units Shipped FY18	229,000
FY18 Recognised Revenues	\$2.1m
Quarterly Revenues (FY19 Q1)	\$1.14m

CAPITAL STRUCTURE	
Market Cap	Approx. A\$30m
Shares on issues	117m
TOP 20 SHAREHOLDERS - 6	3.98%
Whitney George (US based)	21.91%
Paul Stephens (US based)	8.17%
Kroy Wen Pty Ltd	6.62%
John McBain	6.51%

<sup>\*</sup>All figures provided in this presentation are on an unaudited basis

# PORTFOLIO OF HIGH VALUE TECHNOLOGY

1	.0	2.0	0	3.0	4.0	5.0
SPORT	SNORING AND SLEEP	DECONGESTION	ANXIETY AND SLEEP AID	OBSTRUCTIVE SLEEP APNEA	NASALY DELIVERED MEDICAL CANNABIS	NASAL DRUG DELIVERY
TURBINE	MUTE	Menthol Eucalypt formulation "CLEAR"	Essential oil formulation "CALM"	Intranasal Positive Expiratory Airway Pressure Phase 1 trial complete, Phase 2 being scoped	OTC CBD focused product range:  Sleep Anxiety Anti-inflamatory  Rx CBD/THC formulation product range  Obstructive sleep apnea Pain Nausea PTSD	Range of potentargets including but not limited to a vaccines  Allergy  Pain  Allergic Rhinitis  Migraine  Central nervous systems disorders  Endocrine & metabolic disorders  Respiratory disorders  Nasal polyp  Alzheimer's
—— IN M	ARKET		- IN DEVELOPME	NT	LICENSING PARTNERSHIP WITH COLUMBIA	TO BE LICENSED

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## **GLOBAL PRODUCTION AND LOGISTICS NETWORK**





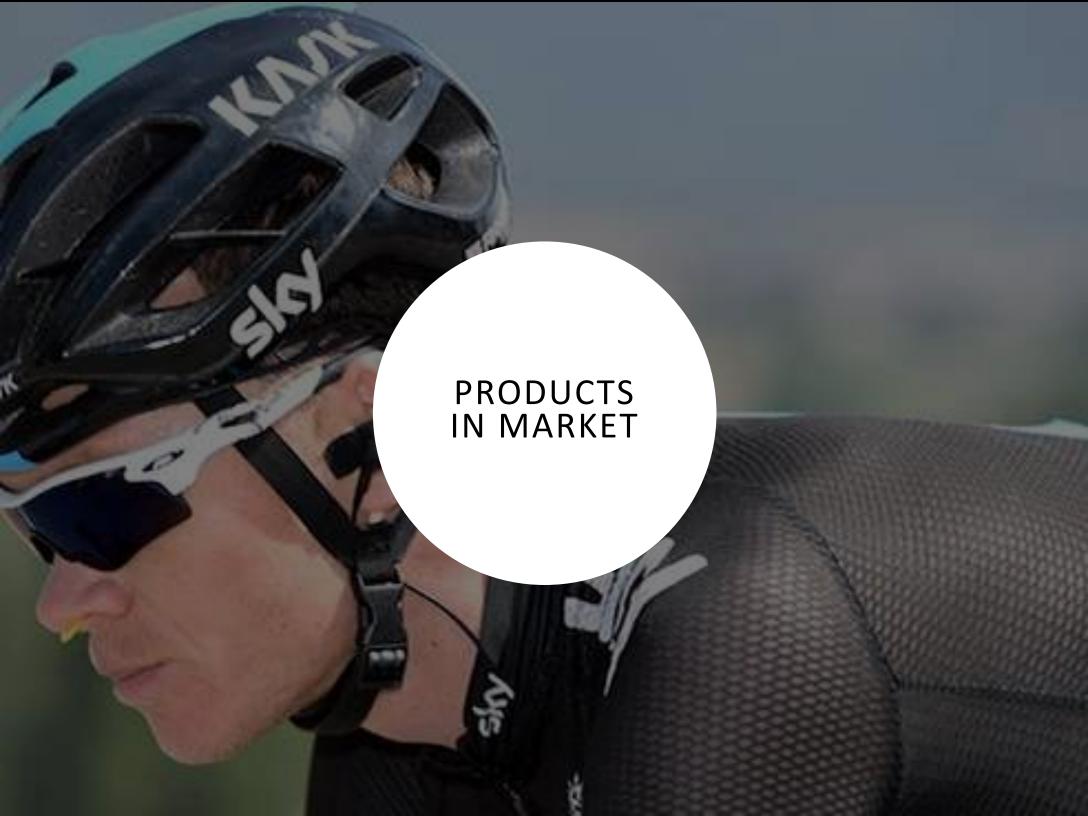
- Manufacturing out of Jiaotang, Gaoyao, Zhaoqing in Guangdong
- Certified ISO13485-2003 and QSR820 facility
- RNO has 5 dedicated tooling, production, assembly and packaging lines – production capacity of 3.9 million pack pa.



- Provides global logistics suport from its Hong Kong hub
- Fulfillment to key US and European Distribution warehouses
- Provides direct to consumer fulfillment services



- Provides UK warehousing, customs and logistics support
- Distribution into Boots warehouses
- Provides direct to consumer fulfillment services for UK, IE and EU.



## **SPORT AND EXERCISE MARKET**

Niche position in global Sport, Exercise and Yoga markets Focus on improving nasal breathing across aerobic activities

One in four people suffer from some form of nasal obstruction

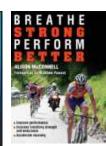
Poor breathing can compromise performance and recovery







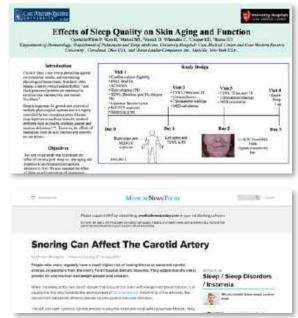






## **US\$1.2 BILLION SLEEP AND SNORING MARKET**







- Market changing from a focus on the social inconvenience of snoring to the medical conditions linked to poor sleep
- One in four suffer from nasal obstruction significantly impacting compliance and outcomes associated with current sleep apnea therapies and treatments
- According to the US CDC insufficient sleep is now a *public* health epidemic
- 30% of adults report less than 6 hours a night,
- 90 million Americans snore.

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#### **DELIVERING INNOVATION AND CATEGORY LEADERSHIP**

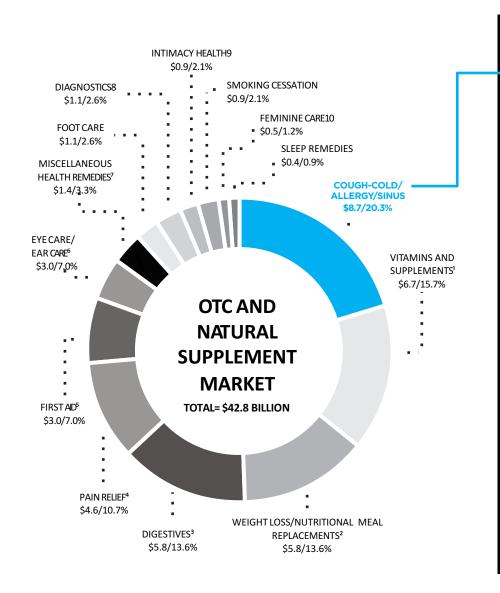
# THE FRONT LINE SOLUTION AND GATEWAY PRODUCT TO THE GLOBAL SLEEP AID MARKET.



11,000+ STORES GLOBALLY NOW STOCKING MUTE
GROSS MARGINS OF 70%+



#### DISRUPTIVE SOLUTION FOR THE GLOBAL DECONGESTANT MARKET



# **MUTE 'CLEAR'**

- Targeting US\$8 Billion non-drug decongestant market
- Mute with added 'menthol/eucalypt' formulation
- Next generation multi formulation platform
- Delivers low dose, overnight nasal decongestant
- Disruptive innovation in a market Vicks has dominated for decades
- Class 1 product regulatory process scoped
- Design finalised and production scoping underway

#### DISRUPTIVE SOLUTION FOR THE GLOBAL AROMATHERAPY MARKET

# **MUTE 'CALM'**

- Aromatherapy (non-drug) therapy market exploding (US\$8billion +)
- Targeting Sleep Aid/anxiety market
- Mute with added 'lavender/chamomile' formulation
- Delivers low dose, overnight nasal relaxant to tackle anxiety and poor sleep maintenance
- Disruptive delivery technology in the aromatherapy market
- Class 1 product regulatory process scoped
- Design finalised and production scoping underway



# DISRUPTIVE SOLUTION TO US\$8.8 BILLION OBSTRUCTIVE SLEEP APNEA MARKET



Obstructive Sleep Apnea affects millions of patients. Market is hampered by three key problems:

#### 1. Lack of early diagnosis

- 80% of people with Sleep Apnea remain undiagnosed
- Lack of awareness and fear of existing therapies are preventing early identification and diagnosis

#### 2. Poor compliance rates

• CPAP compliance and adherence rates are as low as 43% and less than 4 hrs a night

#### 3. Therapy cost/value equation

 CPAP and MAD therapies are expensive -\$2000+

#### RHINOMED'S INTRANASAL POSITIVE EXPIRATORY AIRWAY PRESSURE

# IntraNasal Expiratory Positive Airway Pressure (INPEAP)

A new patented alternative to invasive CPAP and mandibular advancement technologies utlising a valve system to create airway pressure

- Targeting the 70% of OSA patients with mild to moderate OSA (AHI 14-29)
- Internal nasal delivery of Positive Expiratory Airway Pressure to keep airway open during sleep
- Low invasive solution when compared to CPAP and Oral devices
- Successfully completed Phase 1 trial showing:
- Nasally delivered EPAP
- Well tolerated, 73% compliance
- Program derisked through the growing acceptance of Mute





#### **NASAL DRUG DELIVERY - DELIVERING SUPERIOR PATIENT OUTCOMES**

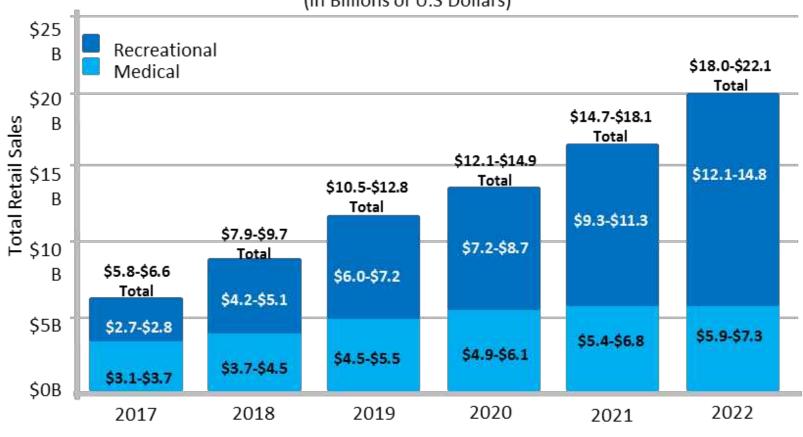
NASAL DRUG DE	LIVERY OFFERS SIGNIFICAN	IT BENEFITS OVER OTHER DE	ELIVERY MODES:
Rapid absorption and higher bio-availability	Fast onset of therapeutic mode of action	Avoidance of first pass through the liver	Self medication and titration
Reduced risk of overdose	Rapid absorption and higher bio-availability	Fast acting and long release delivery applications	Ability to micro/low dose

Several drug candidates and conditions lend themselves to nasal delivery

MIGRAINE | HORMONE AND NICOTINE REPLACEMENT | VACCINES | ALLERGY | ALLERGIC RHINITIS | PAIN | CNS DISORDERS | ENDOCRINE & METABOLIC DISORDERS | RESPIRATORY DISORDERS | NASAL POLYPS | ALZHEIMERS

#### **MEDICAL CANNABIS – A NEW THERAPEUTIC MARKET**





Source: Marijuana Business Daily

US, Canada and Europe leading the way

US is the largest single market opportunity

# THE CHALLENGES WITH EXISTING MEDICAL CANNABIS DELIVERY FORMATS

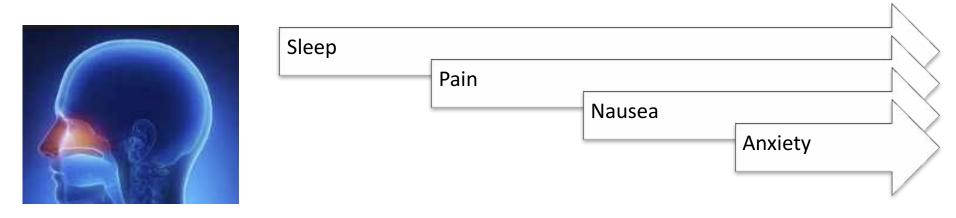


# EXISTING MEDICAL CANNABIS DELIVERY FORMATS FACE RESISTANCE AND BARRIERS TO MAINSTREAM CLINICIAN ACCEPTANCE AND ADOPTION

- Vapes (Smoking), edibles, tinctures and topicals currently lack:
  - Formulation consistency/quality
  - Dosing repeatability
  - Dosing reliability
  - Dosing predictability

- *'Prescription accuracy'* is a clear barrier to clinician adoption and acceptance
- The lack of a reliable medicalised delivery solution presents a very real problem to mainstream acceptance by both clinicians and regulators alike
- "Legalization' does not mean you can drive or attend work under the influence!

# OPTIMISING MEDICAL CANNABIS FORMULATIONS THROUGH NASAL DELIVERY



A Clinically relevant, pharmaceutical quality range of products that nasally deliver a precise and targeted amount of medical cannabis to address specific unmet clinical needs:

- Dose controlled Low/micro dosing
- Controlled or sustained (Up to 8hr) release and/or quick onset
- Compelling safety profile Instant removal in case of side effect
- Multiple deliverable modes and dosage options (transdermal/inhaled/transmucosal)
- Existing solutions significantly de-risk acceptance

	nabis Treatme	ing Conditions f nt In States Who Iedicinal Use <sup>‡</sup>	
Alzheimer's	ALS	Anorexia	Arthritis
Cachexia	Cancer	Chronic Pain	Crohn's Disease
Epilepsy	Glaucoma	Hepatitis C	HIV/AIDS
Inflammation	Migraines	Multiple Scierosis	Nausea
Nervous Sys Degeneration	Perkinson's	PTSD	Spasms

Ackrell Capital research report. "In states where cannabis is legal for medicinal use, patients may possess and use cannabis if they qualify under the state medical requirements and otherwise satisfy state law. To qualify for medicinal cannabis, patients must have at least one of the medical conditions designated under their state's laws. In aggregate, more than 40 qualifying conditions have been so designated."

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## **COLUMBIA CARE AND RHINOMED**



#### **COLUMBIA CARE IS THE IDEAL PARTNER FOR RHINOMED**

- The leading player in the US market the world's largest and fastest growing cannabis market.
- Vertically Integrated with the most Licenses of any U.S. Operator
- The ability to reach almost 50% of the US population with 33 licenses across 13 U.S. markets.
- 12 grow/manufacturing facilities and 16 dispensaries by 2018YE with licenses and capital to build out to 60+ dispensaries by 2019YE.
- Global agenda

- Powerful partnership and Licensing deal:
  - 12 year US exclusive deal
  - Cost Plus Double digit royalty return
  - PLUS Double digit profit share depending on distribution channel

#### LEVERAGING RHINOMED'S GLOBAL SLEEP FRANCHISE



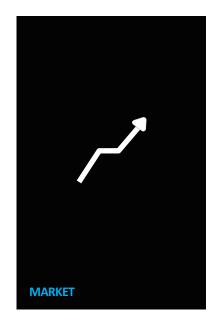
#### THE POTENTIAL TO CHANGE THE PARADIGM IN SLEEP

- Medical cannabis and sleep is a well researched area. A potential new product could leverage Rhinomed's existing franchise:
  - 11,000 stores globally already selling Rhinomed technology
  - Tens of thousands of people already using Mute to assist with sleep and respiration
  - Growing number of clinicians already recommending Rhinomed technology as a stand alone or companion therapy
  - Potential to provide a totally new treatment mode across a range of sleep related conditions

# CAN A NASALLY DELIVERED CANNABINOID FORMULATION CHANGE THE WAY WE TREAT OBSTRUCTIVE SLEEP APNEA?

- A Phase 2 Study Cannabinoid Therapy of Apnea Carley et al, Sleep 2018 Jan 1:41(1) demonstrated that an oral version of Dronabinol (Delta 9-THC) showed some potential application as an OSA -Cannabinoid receptor agonist.
- Statistically significant improvement in primary outcomes including lowering AHI, reducing daytime sleepiness and improving treatment satisfaction.
- The Key challenge finding a reliable and acceptable dosing and targeted delivery system.

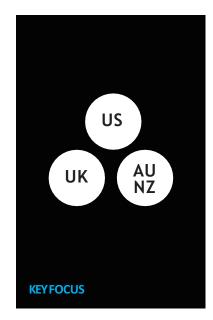
## **INVESTMENT PROPOSITION**



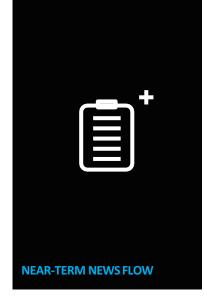
- Compelling Products in growing global markets
- Compelling pipeline of next generation prodiucts
- Licensing opportunities into high value Rx and OTC markets.



- Business is rapidly expanding the revenue base through a global distribution footprint
- Partnering with worlds leading pharmacy chains and retailers
- Adoption and acceptance by clincians



- Driven by globally experienced board and management team
- Clear focus on three key growth markets:
  - USA & CANADA
  - UK
  - Aust/NZ Base



- Growing the number of distributors and retailers
- Product extensions
- Further progress in medical cannabis



- Breathe Right™ Strip had Peak revenues of approximately US\$150m
- Purchased by GSK n 2007 for US\$ 566m

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