

Rakon Limited 2019 Annual Meeting of Shareholders





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Agenda

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- Welcome & Introduction
- Items of Business
- Chair's Address
- Chief Executive's Review
- Shareholders' Questions
 - Annual Report and Business Update
- Ordinary Resolutions
 - □ Re-elect Brent Robinson
 - Re-elect Keith Watson
 - Authorise directors to fix remuneration of Auditor
- Special Resolution
 - Approve changes to Constitution
- General Business
- Meeting Close / Afternoon Tea



Bruce Irvine Chair



Brent Robinson
Chief Executive



A. Chair's Welcome and Address

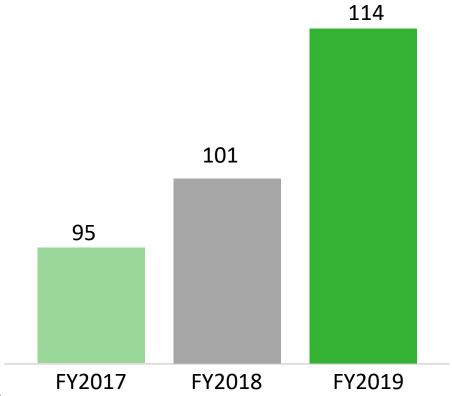
Bruce Irvine

Chair's Address



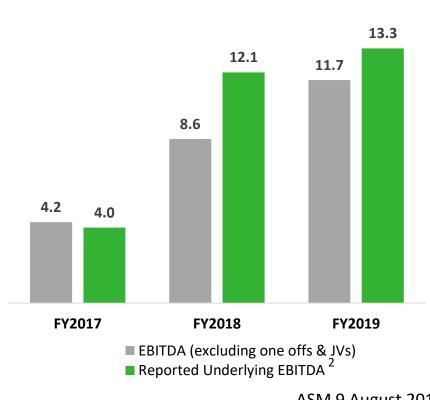
Financial Snapshot

Revenue¹ (\$m)



Notes:

EBITDA (\$m)



¹All figures are presented in New Zealand dollars unless otherwise indicated.

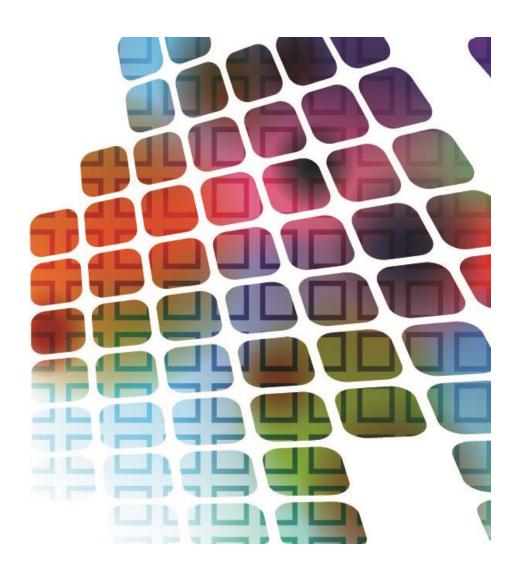
² Refer to note B1 of the FY2019 audited financial statements for an explanation of how 'Non-GAAP Financial Information' is used, including a definition of 'Underlying EBITDA' and reconciliation to NPAT

Chair's Address



Strategy and Governance

- □ Strategic moves achieve positive outcomes for growth:
 - 100% ownership of Rakon India
 - Technology and manufacturing partnership with Siward
- Waived right to appoint director to Thinxtra
 - Ceased to have significant influence
 - Change to fair value accounting
- Board refresh
 - New director appointed
- New NZX Listing Rules
 - Adopted from 1 April
 - Changes to Constitution proposed
- Committed to continuous improvement in governance practices
 - Strengthened compliance with NZX Corporate Governance Code





Brent Robinson



- FY2019, Financial Snapshot
 - Revenue grew
 - The telecommunications market delivering the most significant portion of growth
 - □ Underlying EBITDA \$13.3m, up from FY2018
 - Net Profit After Tax of \$3.4m
 - Underlying profit an improvement (excluding one-offs in the prior year)
 - Gross Margin increase
 - Improving mix with new products
 - Movement from Net Cash position to Net Debt position
 - Purchase of Rakon India for \$6 million
 - Increased production capacity in India
 - Increased inventory

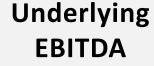


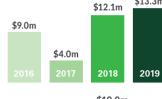
Revenue



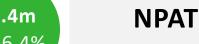


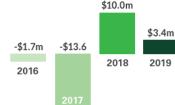












Gross Margin



FY2018 43%

Net Debt position





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- FY2019, Key Achievements
 - Rakon India
 - Positive earnings contribution
 - 100% ownership
 - Operational developments:
 - Independent management team in place
 - Leased additional space, streamlined operations and invested in new equipment
 - Doubled manufacturing capacity: mainly for new products
 - Production output 56% higher than FY2018
 - Increase comes from recent growth in OCXOs for telecommunications, new designs and an increased share of Tier One customers' business







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Rakon India

Opportunities

- Cost effective manufacturing platform and benefit of highly skilled work force
- Collaboration with India-based engineers for new product development
- Penetrating growing local market
 - Space and defence; recent Moon mission
 - Telecommunications







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- FY2019, Key Achievements
 - Siward: high volume, low cost manufacturing partner
 - Siward successfully audited for supply to significant Rakon Tier One customers
 - New opportunities through expanded product offering
 - Targeting wider telecommunication requirements; large total addressable market







Market Opportunities

- □ Telecommunications: 5G
 - Market upgrade of 4G networks to 5G is a significant opportunity for Rakon
 - Demand for 5G expected to continue for a number of years as spectrum is released, technology developed and new end uses established
 - We believe 5G road map will be gradual and incremental
 - Upgrade of existing 4G infrastructure to support initial roll-out of 5G
 - Deployment of new dedicated 5G infrastructure





4G Base Station Clocking Functions

 In 4G, the BBU and RRU are closely connected together. RRU uses simple clock recovery based on VCXOs as clock references nakon ocxo



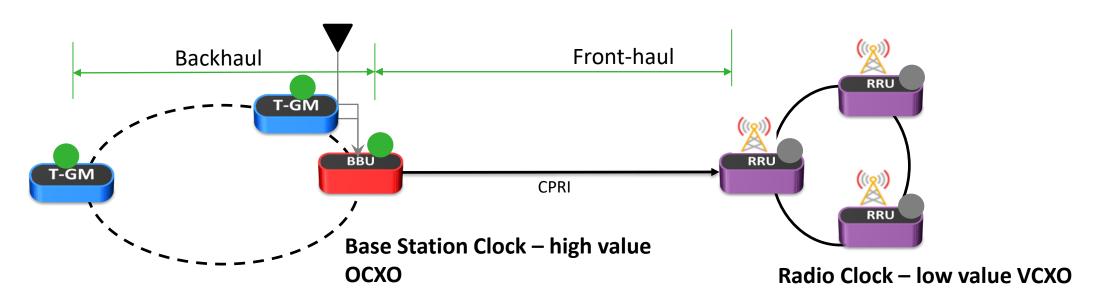
BBU – Base Station Unit

RRU - Remote Radio Unit

CPRI – Common Public Radio

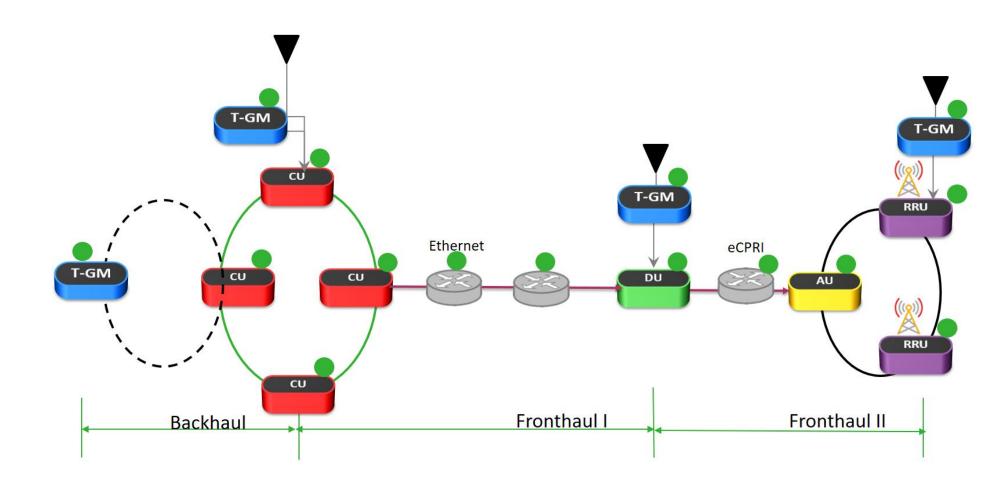
Interface

T-GM – Telecom Grand Master



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5G Architecture & Oscillators



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CU – Centralised Unit **DU** – Distribution Unit

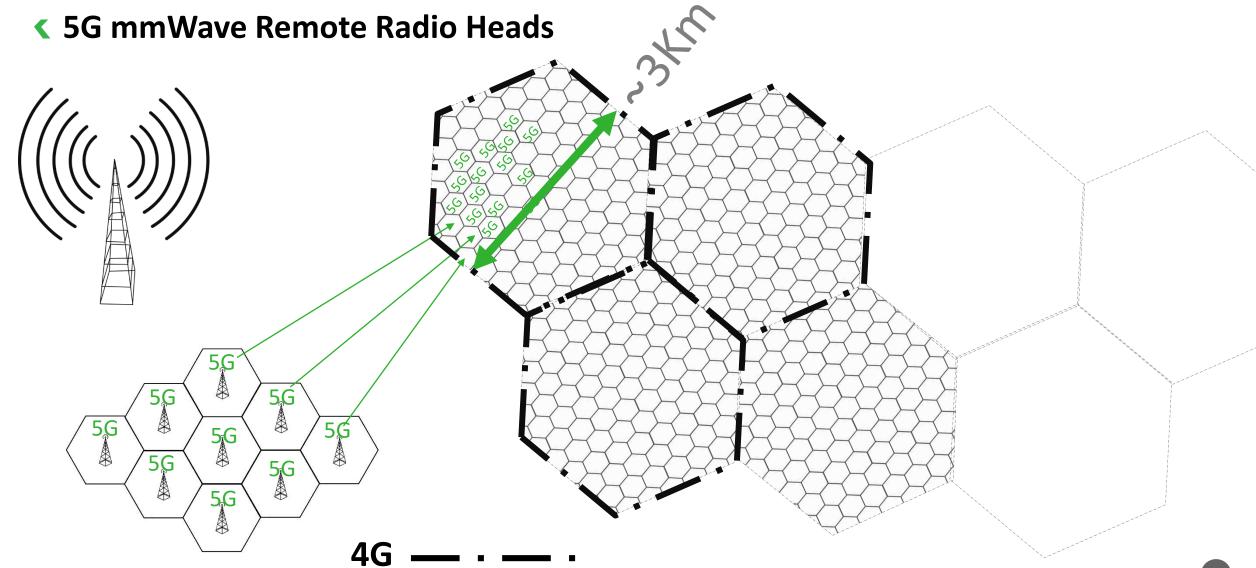
AU – Access Unit

eCPRI – Enhanced Common Public Radio

Interface

T-GM – Telecom Grand Master

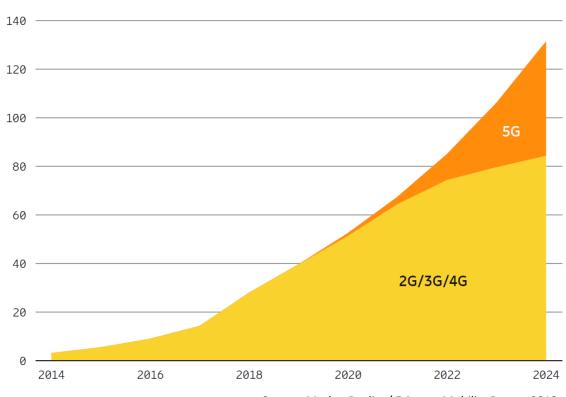






Expected Growth in Mobile Data Traffic





- Source: Market Realist / Ericsson Mobility Report 2018
- Rakon is designed into all Tier One 5G equipment providers
- 5G examples
 - □ Broadband to the home, M2M, Autonomous vehicles, IoT



Market Opportunities

- Space Market: 'New Space'
 - The need for connectivity everywhere increases the need for satellite connections for communications
 - In FY2019 Rakon received its first order for a New Space OCXO for a new Low Earth Orbit (LEO) constellation
 - LEO technology a major disruptor to the traditional geosynchronous orbit (GEO) satellite market
 - LEO development represents a new opportunity for Rakon's oscillator technology



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< R&D

- Enables Rakon to retain position as a leading provider
 - In FY2019 Rakon introduced 15 new products enabling our customers to advance their technology
 - Several world-first releases
 - Rakon is investing in new manufacturing processes to address market needs for smaller, leading edge oscillator performance















applications





OCXOs for New Space satellite constellations equipment



OCXOs for 4G and 5G equipment



Long holdover and Digital OCXOs for 5G equipment

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- People & Capability
 - Shift to global management structure
 - FY2018 FY2019 created four new leadership positions
 - July 2019 new position created: Chief Operating Officer
 - Sinan Altug appointed



Darren RobinsonSales &
Marketing
Director



Sinan Altug Chief Operations Officer



Margo Thomas
General
Manager,
Global People &
Capability



Anand Rambhai Chief Financial Officer



Roy Cann Head of Global Engineering



Scott Stemper Global Quality Manager



Cliff Hand Senior Programme Manager, Global Integration



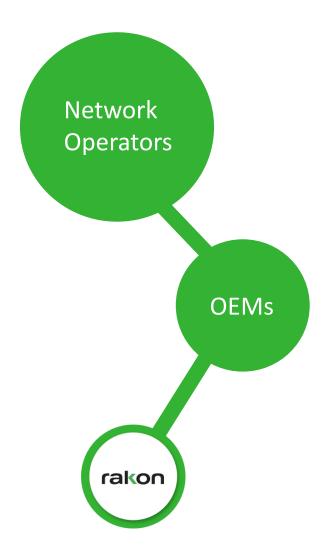
Maureen Shaddick Company Secretary



Borja Thomas (Thomas) Head of Global Product Management



- Market Impact
 - Telecommunication market represents a significant part of Rakon's business
 - Influenced by macro, global and regulatory factors
 - Rakon one of many players
 - Designed into all Tier One equipment providers
 - Providers are dependent on orders from network operators. Can be a waiting game, making forecasting challenging





FY2020 Outlook

- Our global markets and operations are well established. Rakon is in a great position to respond to current and future demand
- How does this opportunity translate to expectations for current year?
 - While we are confident we will get a good share of business, phasing of customer orders means returns are likely to remain flat compared to FY2019





< Future

- □ Rakon is a technology leader
 - Global footprint, broad product offering, strong ecosystem of customer relationships and a trusted brand with a 50 year heritage
- Rakon expects to stay at the forefront of the frequency control product industry
 - Whatever the application may be, within every node, within every network, a stable and reliable timing and frequency reference is required for the successful transfer of data







C. Shareholders' Questions



D. Resolutions

Ordinary Resolution



Resolution 1: Re-election of Director

□ That **Brent John Robinson**, who retires by rotation and is eligible for re-election, be re-elected as a director of Rakon Limited



Ordinary Resolution

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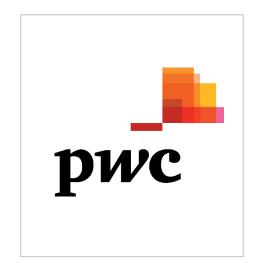
- Resolution 2: Re-election of Director
 - □ That **Robert Keith Hamilton Watson**, who retires following appointment by the Board and is eligible for re-election, be re-elected as a director of Rakon Limited



Ordinary Resolution



- Resolution 3: Fixing Remuneration of Auditor
 - That the directors are authorised to fix the remuneration of Rakon Limited's Auditor,
 PricewaterhouseCoopers for the following year





E. Special Resolution

Special Resolution



4. Amend Constitution

 That Rakon Limited, amend its existing
 Constitution, in the manner and form signed by the Chair and tabled at the Annual Meeting for the purpose of identification



Proxy Votes Received



As at 7 August

Resolution 1: Re-election of Director

	Proxy votes lodged	For	%	Against	%	Discretionary	%
Brent Robinson	67,292,225	64,904,423	96.45%	657,372	0.98%	1,730,430	2.57%

Resolution 2: Re-election of Director

	Proxy votes lodged	For	%	Against	%	Discretionary	%
Keith Watson	67,298,829	65,148,586	96.80%	415,781	0.62%	1,734,462	2.58%

Resolution 3: Fixing Remuneration of Auditor

Auditor: pwc	Proxy votes lodged	For	%	Against	%	Discretionary	%
	pwc	67,284,640	64,641,773	96.07%	942,865	1.40%	1,700,002

Resolution 4: Special Resolution; amendment of existing Constitution

	Proxy votes lodged	For	%	Against	%	Discretionary	%
Amend Constitution	67,210,363	65,190,070	96.99	202,247	0.30%	1,818,046	2.71%



F. General Business and Shareholders' Questions



Meeting Closed

Disclaimer



- This presentation contains not only a review of operations, but also some forward looking statements about Rakon Limited and the environment in which the company operates. Because these statements are forward looking, Rakon Limited's actual results could differ materially
- Although management and directors may indicate and believe that the assumptions underlying the forward looking statements are reasonable, any of the assumptions could prove inaccurate or incorrect and, therefore, there can be no assurance that the results contemplated in the forward looking statements will be realised
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