STRATEGY UPDATE

FEBRUARY 17, 2020 HIDETOSHI SHIBATA PRESIDENT AND CEO RENESAS ELECTRONICS CORPORATION



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PRESENTER INTRODUCTION



RECH: Renesas Electronics (China) / REA: Renesas Electronics America / EVP: Executive Vice President / SVP: Senior Vice President / VP: Vice President EMD: Executive Managing Director / MD: Managing Director / GM: General Manager

IN A WORLD SWITCHED ON...



Source: 8x increase in electric vehicles by 2025 by Strategy Analytics, 20% ADAS semi market long-term growth rate by Market and Markets 34% long-term IoT sensors growth by Market Research Engine, 40% 4G -> 5G by Piper Jaffray

IN A WORLD SWITCHED ON...



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PORTFOLIO ALIGNED WITH HIGH-GROWTH END MARKETS

2019 Revenue by end market

Automotive 52%



No.1 automotive MCU supplier
Most advanced geometry combined with MONOS technology
Functional safety and security



- Leading MCU and SoC supplier
- Rich and extensive technology offering such as multi-protocol connectivity, time sensitive networking ("TSN") and real-time processing
- Strong relationship with leading customers of the world
- Infra

No.1 memory interface supplier

- Tight engagement with hyperscalers and memory suppliers
- Technology leader in RF for 5G and massive MIMO



- Leading provider of both proprietary and ARM MCUs
- Wide variety of technology offering such as SOTB, e-AI, security etc.
- Strategic collaboration with distributors

Source: Renesas management accounting, pro-forma basis



WHAT WE DO



2019 REVENUE COMPOSITION

Automotive		Indust	trial, Infra an	d IoT	
Control 75% +	Info 25% -	Industrial 40% -	Infra 25% -	ют 35% +	Total
MCU, 60% +	MCU, 55% +	MCU, 50% -	SoC, 10% -	MCU, 50% +	MCU, 50% -
Analog, 15% -	SoC, 35% -	SoC, 25% +	Analog, 90% +		SoC, 10% +
Power, 25% -	Analog, 10% -	Analog, 25% -		Analog, 50% -	Analog, 30% + Power, 10% -
50% + Source: Renesas management accounting, pro-forma basis			50% -		100%

BIG IDEAS FOR EVERY SPACE RENESAS

OUR VISION, MISSION AND VALUE

OUR VISION RENESAS CREATES LEADING SEMICONDUCTOR SOLUTIONS THAT SPARK INNOVATION FOR A CONNECTED WORLD, BUILDING A TRUSTED BRAND WE CAN BE PROUD OF.

OUR MISSIONS

1. DRIVE PROGRESS TOWARD A SAFER, HEALTHIER, GREENER, AND SMARTER WORLD.

2. DELIVER CREATIVE SEMICONDUCTOR SOLUTIONS AND SUPPORT THAT MEET AND EXCEED CUSTOMER EXPECTATIONS.

3. STRENGTHEN OUR OFFERING TO CUSTOMERS IN FOCUS SEGMENTS THROUGH STRATEGIC PARTNERSHIPS, ALLIANCES AND ACQUISITIONS,

4. DEVELOP A GLOBAL CULTURE THAT ENCOURAGES OPEN COMMU COLLABORATION, AND RESPECT FOR DIVERSITY,

5. SEEK CONTINUOUS IMPROVEMENT IN EVERYTHING WE DO.





RENESAS

IS INFAS FOR EVERY SPACE



To make our lives **easier** by complementing human capabilities





CORPORATE STRATEGY – BALANCED GROWTH



Balanced growth through diversification

Diversification:

- Product
- Market
- People

Common thread:

- Reliability
- Stickiness
- Constant innovation



DIVERSIFICATION



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BIG IDEAS FOR EVERY SPACE

GROWTH PLAN

Revenue (oku-yen)



	Long-term Renesas CAGR	Long-term Market (SAM) CAGR
Renesas	-	7% *
Automotive		8%**
Automotive control	•	4%
Information		4%
ADAS	++	17%
xEV	+	18%
Industrial Infra and IoT		70/ ***

Industrial, Infra and IoT	-	7% ^{***}
Industrial	+	7%
Infra	++	5%
IoT	•	8%

BIG IDEAS FOR EVERY SPACE RENESAS

FX for 2019 Actual: 1USD=109yen, 1EUR=123yen, FX for 2019 Adjusted and Long-term target: 1USD=100yen, 1EUR=120yen

* Renesas estimate. ** Source: Strategy Analytics automotive semiconductor demand forecast by business segment in December 2019.

*** Source: 2019-2023 chart created by Renesas based on Gartner Research, Semiconductor Forecast Database, Worldwide, 4Q19 Update, Ben Lee et al., 24 December 2019. After 2024, Renesas estimate

Long-term

AUTOMOTIVE

Revenue (oku-yen)



Growth Driver

Control

ADAS

xEV

- Continued electronic content growth
- Electric / electronic architecture evolution
- ADAS / AD progress

more xEVs

New regulations calling for

How We Win

- Scalable product offering to streamline E/E architecture
- ADAS / AD product offering expansion to full spectrum
- Winning combo solutions by leveraging digital footprint to deliver more analog and power products





INDUSTRIAL, INFRA AND IoT

Revenue (oku-yen)



Growth Driver

- Robotics applications
- Human-machine interaction
- Realtime synchronization

5G

Industrial

Infra

IoT

- Datacenter and cloud
- Faster memory access
- >1 trillion connected devices
- Endpoint computing
- Wireless charge adoption

How We Win

- Differentiated and scalable product offerings
- Winning combos
- Strategic collaborations with technology, cloud and channel partners
- Deeper and broader go-tomarket





ILLUSTRATIVE SCENARIOS FOR WINNING

	Automotive	Industrial	Infra	IoT
MCUs				RA Cloud connection
SoCs	ADAS / AD Scalability	MPUs		
Analog & Mixed Signal	xEV & ADAS / AD solutions	Human-Machine Interface ("HMI")	5G Data center	Winning combos
Power Discretes				



HOW WE WIN – AUTOMOTIVE 1



HOW WE WIN – AUTOMOTIVE 2



BIG IDEAS FOR EVERY SPACE

HOW WE WIN – INDUSTRIAL



HOW WE WIN – INFRA AND IOT



RESULT-ORIENTED, PRAGMATIC APPROACH





TARGET FINANCIAL MODEL



* FX 1USD=100yen, 1EUR=120yen. Continuing business only

** After reclassification (part of SG&A reclassified to CoGs and R&D)



MARGIN EXPANSION



* FX for 2019 Adjusted and Long-term target: 1USD=100yen, 1EUR=120yen, continuing business only



IDT INTEGRATION



Integration of 6 sites Former IDT now part of Renesas Electronics America



2 business units







REVENUE SYNERGIES

	Strategy	Solution	2019 Actual
Dee	per Boost	Winning	LTV of
	sales per customer	combinations	\$ 129m
Broa	Win	New customer	11,802 new
	new customers	acquisition	customers

100+ WINNING COMBOS WITHIN 1 YEAR OF ACQUISITION



Explore 100+ comprehensive Winning Combination solutions

As of January 24th, 2020

RENESAS

BIG IDEAS FOR EVERY SPACE

CULTURAL FUSION



BIG IDEAS FOR EVERY SPACE RENESAS



Well positioned portfolio



To address high growth market



With emphasis on delivering results







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