

Business Strategy Meeting ICT Business

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Business Summary

Based on an installed customer base accumulated over the past 137 years, OKI provides a wide range of solutions, products, and services that support social infrastructures, including an array of distinctive devices, sensing technologies featuring acoustic and optical sensors, network technologies, data processing/operation technologies, and know-how.

Products that support social infrastructures

Solutions

- Flight control systems/ETC/VICS/firefighting systems/disaster prevention/self-defense systems, etc.
- Government ministry operating solutions
- · Bank branch systems/VTM/bankbook application services, etc.
- Railway ticketing systems/automated airport check-in systems



Platforms (products and services)

- Carrier networks/video distribution, etc.
- PBX/business phones/contact centers
- Sub-GHz-band multi-hop wireless
- Cloud services/maintenance services/construction services



ter	Data processing/ operations	Data processing/operation technologies and know-how developed in the solutions and services business and social infrastructure systems business		
etc. ms	Networks	Cable/wireless communication network technologies developed in the telecom systems business and social infrastructure systems business		
	Sensing	Distinctive sensor technologies (e.g., acoustic/optical sensors) and signal processing technologies developed in the social infrastructure systems business		
	Array of distinctive devices			
	Retain a	Retain an installed customer base		

accumulated over the past 137 years



Review of FY2017

- While net sales fell slightly from the previous fiscal year, stable earnings have been sustained (according to plan).
- Base businesses declined more than anticipated due to worsened market conditions and tough competition.
 Municipal disaster prevention business, network business, etc.
- Due in part to proactive communication efforts, growth businesses proceeded according to plan, with sales growth of 5.0 billion yen vs. FY2016.



Review of FY2017 (Progress on Measures)

Business Strategies by Segment					
	Business		Positions in Mid-term Business Plan 2019	Keywords	
ICT			Secure stable profitability Create new businesses	Next generation infrastructures, IoT	
	Mechatronics Systems		Get back on a growth path	Emerging countries, Retail market, Strategic products	
	Printers		Secure stable profitability by strategic transformation	Niche market, LED, Streamlined management	
	EMS		The points along the way to turn EMS into 100.0 B yen business	New market domains, M&A	
Keyword			Description of Measures		
ocial frastructure i IoT		(cor • Abc	 Grew to 9.0 billion yen vs. 16.0 billion yen revenue growth target in FY2019 (compared to FY2016) Now implementing co-creation with 49 companies Accelerating product development to enhance IoT business platforms About the top priority for the next-generation transport field Launched sales of OKI's LocoMobi2.0 ITS service 		

• Opened an ITS test course at the Honjo Plant

Accelerate fusion of information, communications, and the public sector; enhance social infrastructure \times IoT efforts

So inf ×

Macroeconomic Conditions

No changes in macroeconomic conditions; digital transformations continue to accelerate faster than expected.

Understanding macroeconomic conditions Overall Japanese ICT market expected to show steady annual growth of 1.3% up to 2019 Expand ICT application opportunities and investment to resolve various social issues projected to emerge Japanese IoT market predicted to grow to 1 trillion yen by 2020 with CAGR 19.5%





OKI's IoT Strategies

OKI's strengths lie in the installed customer base accumulated over the past 137 years, technical assets, and its strong *monozukuri*.

(Particularly in sensing and network businesses and a distinctive array of products)

- OKI is capable of integrally providing products, solutions, and services to meet the needs of digital transformations. It has a strong customer base thanks to its focus on industry-specific businesses.
- Positioning to facilitate alliances with major corporations to gain an increasing share of the IoT market





State of Co-creation Initiatives

■ Now involved in co-creation with 49 companies



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Progress on Product Development

Accelerate product development to enhance IoT business platforms



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Mid-term Business Plan 2019 - Business Strategy 1 -

Maintain and expand stable profits for base businesses thanks to stable investment in social infrastructure
 Target growth through active investment using digital transformations (IoT) as drivers of change



Solutions

U

ase

businesses

- Flight control systems/ETC/VICS/ /firefighting systems/disaster prevention/self-defense systems, etc.
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- Railway ticketing systems/automated airport check-in systems

Platforms (products and services)

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- Overall social infrastructure investment is strong and stable
 - Operate strong business areas with eye on M&A
 - Active investment in growth business with efficiency improvements



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- Put base businesses on a recovery track since the previous year and further expand the scale of some public-sector businesses
- Further growth of 5.0 billion yen is planned in the growth businesses—a step toward growth of 16.0 billion yen (compared to FY2016) by FY2019. Internal shift of about 100 staff to growth fields





FY2018 Plans - Investment -

- Achieve targets for FY2019 and invest proactively toward further growth in FY2020 and beyond
- Focus R&D costs on the transport field and IoT platforms with accelerating investment in further growth fields
- Focus capital investment on new products and large-scale project development and production equipment in existing businesses
- Seek out strategic investments centered on enhancing base businesses





Mid-term Business Plan 2019 - Business Strategy 2 -

- Provide solutions to resolve emerging social issues
- Specialize in industry-specific, sensing and network businesses to take advantage of an installed customer base for 137 years, together with technical assets and *monozukuri* strengths



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Next-generation transport

Next-Generation Transport Solutions

- Sales of OKI's ITS service LocoMobi2.0 began in November 2017.
- Opened an ITS test course at the Honjo Plant

Cellular V2X feasibility studies by six companies conducted in FY2018; we plan to secure superior market positions through infrastructure cooperative ITS.



ETC 2.0 logistics feasibility studies



Opened an ITS test course

Top priority



5G × self-driving (5GAA) Cellular-V2X Trial







5G's Strengths

For the future

5G

- Three major features distinguish next-generation 5G networks: ultrahigh speed, ultralow delay, and multiple simultaneous connections.
- As key technologies in building the IoT infrastructure, 5G is expected to enable a shift from business centered on 4G smartphones to creation of markets in new fields.



Business Development in 5G Networks For the future

- 5G infrastructure: Focus on business development through global cooperation centered on mobile backhaul
- Usage cases: Grow application businesses applying edge networks and 5G by leveraging the installed customer base accumulated over 137 years (e.g., infrastructure cooperative ITS services)





Maritime/Acoustics 1

For the future

Maritime/acoustics

- Steadily expand solutions in maritime resource development, coastal monitoring, and facilities monitoring, etc., and collect
 - maritime data (step 2)
- ◆Use maritime data infrastructure to create and supply new solutions with higher levels of value (step 3)



Maritime/acoustics

Maritime/Acoustics 2

- Improve the efficiency of monitoring of intrusions into territorial waters/oceanographic observation leveraging underwater acoustic-sensing technologies
- Complete with SEATEC II, the only maritime testing facility operated by a private-sector firm in Japan, stable underwater environmental testing is possible in an environment providing the same feel as working in a land-based laboratory.

For the future



*AUV: Autonomous Underwater Vehicle

Achieve stable profitability and sustainable growth as a central pillar of the OKI Group

- Support the social infrastructure and achieve sustainable growth as "IoT OKI"
- Maintain high competitive strengths and earning power by improving organizational capabilities



Vision

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Open up your dreams



