Supporting the Four Areas of Innovation

Epson will provide traction for the development of smart communications, power, transportation and manufacturing solutions with advanced Epson quartz timing and sensing solutions and low-power semiconductor solutions.

Quartz Business

- Strengthen the competitiveness of small products and provide traction for ultra-smart societies

Miniaturized timing devices are in demand not only for use in smartphones and other mobile products but also in the burgeoning IoT market. We will continue to strengthen our lineup of small products to meet customer needs. The communications and networks businesses are likely to see growth that takes advantage of 5G. We will continue to strengthen the competitiveness of our accurate and high-frequency oscillators that support 5G.

CASE (connected, autonomous, shared, electric) is an acronym that summarizes four major trends that are transforming the automotive industry. In response to the increased adoption of electronic automotive technologies, we will expand our lineup of real-time clock modules and other timing devices and launch gyro-sensors, IMUs, and other sensors for safety systems in self-driving cars.

Semiconductor Business

- Contribute to value creation in the four areas of innovation

To help create value in the four areas of innovation, we will bolster development of ICs for internal use. The technology assets thus acquired will be used to efficiently develop products for external sale. The insights gained from external sales will be fed back into internal product designs, thus increasing value for both Epson and customers. The foundry business will continue to operate stably.

Quartz business performance was hurt by a decline in mobile market demand. However, we recorded growth in sales of gyro-sensors and real-time clock modules for the automotive sector and in high-frequency oscillators for communications and networks. We also advanced the development of smaller devices for the mobile market. The semiconductor business’ results were in line with the Phase 1 plan thanks to an enhanced lineup of ICs for Epson products and a stable, balanced business portfolio.

**Phase 1 Review**

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**Quartz Business Achievements**

- Expanded and upgraded our lineup of gyro-sensors and timing devices for the automotive sector
- Strengthened development of key components for quartz products used in communications and networks
- Advanced key component development for small products

**Semiconductor Business Achievements**

- Expanded and upgraded ICs for Epson finished products
- Advanced the development of high voltage and power devices
- Achieved a well-balanced and stable business portfolio with internal sales, external sales, and a foundry business

**Value Creation**

- Provide traction for smart societies by contributing to 5G networks, self-driving cars, and other next-generation infrastructures with extraordinarily accurate timing devices.
- Use Epson’s low-power and control technologies to provide low-power solutions that reduce finished product power consumption.
- Help to make products smaller by reducing device size.

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