(Securities code: 6728)

Business Results FY2018 (July 2018–June 2019)

August 8, 2019 ULVAC, Inc.

Disclaimer regarding forward-looking statements

Forward-looking statements of the company in this presentation are based on information that was available at the time these documents were prepared.

ULVAC's customers in the flat-panel display (FPD), semiconductor, and electronic parts industries face challenges due to the rapid pace of technological advances and fierce competition.

There are a number of factors that directly and indirectly impact performance, such as the global economy; fluctuations in exchange rates; market conditions for FPDs, semiconductors, electronic parts, and raw materials; and trends in capital expenditures.

Consequently, actual net sales and profits may vary substantially from the projections included in this presentation.

Data included in the documents are stated as follows:

(All figures are stated on a consolidated basis unless otherwise noted.)

Yen values: Rounded to the nearest 10th of the unit stated.

Percentages: Rounded to the nearest 10th after yen values are rounded.

Abbreviations of accounting periods:

1Q to 2Q (cumulative): First and second quarter consolidated cumulative period

2Q: Second quarter consolidated period

FY184QPSN20190808E
© 2019 ULVAC, Inc. | Confidential and Proprietary Information

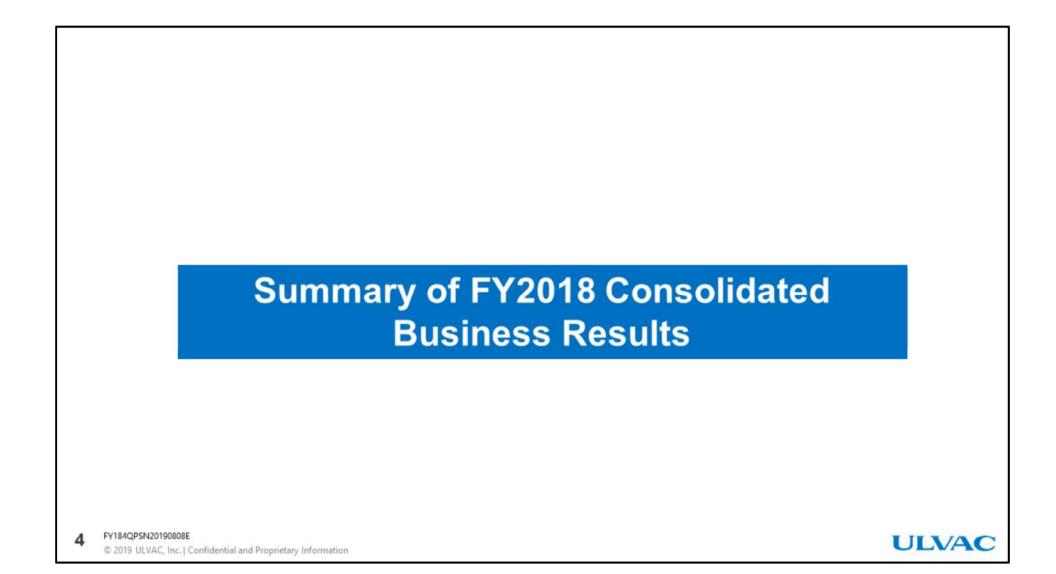


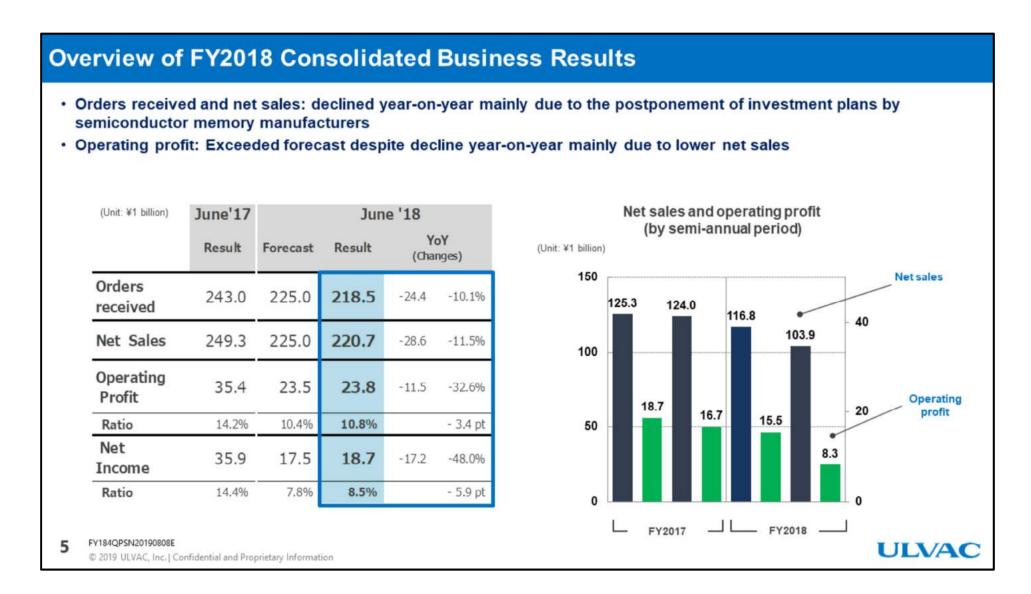
Overview of Consolidated Business Results

- ☐ FY2018 Consolidated Business Results
 - Orders Received: ¥218.5 billion (-10% year-on-year)
 - Declined year-on-year mainly due to the postponement of investment plans by semiconductor memory manufacturers
 - Net Sales: ¥220.7 billion (-12% year-on-year)
 - Declined year-on-year mainly due to the postponement of investment plans by semiconductor memory manufacturers
 - Operating Profit: ¥23.8 billion (-33% year-on-year)
 - Exceeded forecast despite decline year-on-year mainly due to lower net sales
- ☐ FY2019 Consolidated Earnings Forecast
 - Net Sales: ¥205.0 billion (-¥60.0 billion vs. medium-term business plan)
 - Operating Profit: ¥22.5 billion (-¥15.5 billion vs. medium-term business plan)
- ☐ Goals for FY2022 (no change)
 - Aim for net sales of ¥300.0 billion and an operating profit margin of 16%.

3 FY184QPSN20190808E
© 2019 ULVAC, Inc. | Confidential and Proprietary Information





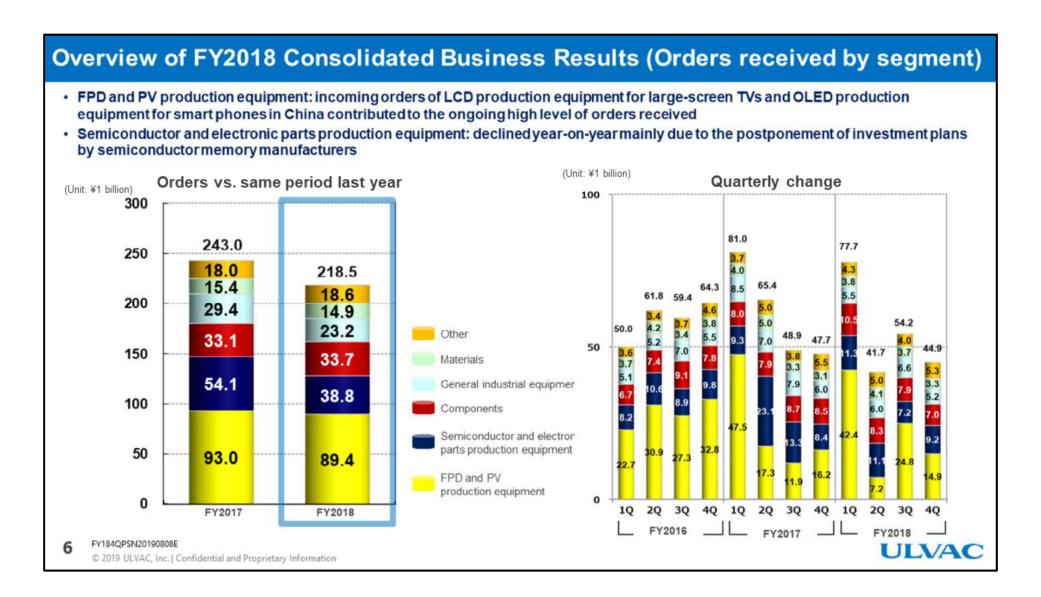


Both orders received and net sales declined year on year mainly due to postponement of investment in semiconductor memory and did not reach the forecast.

The failure to achieve the forecast was due to a shift to the next period of additional investment related to LCDs for large-screen TVs and semiconductor-related investments.

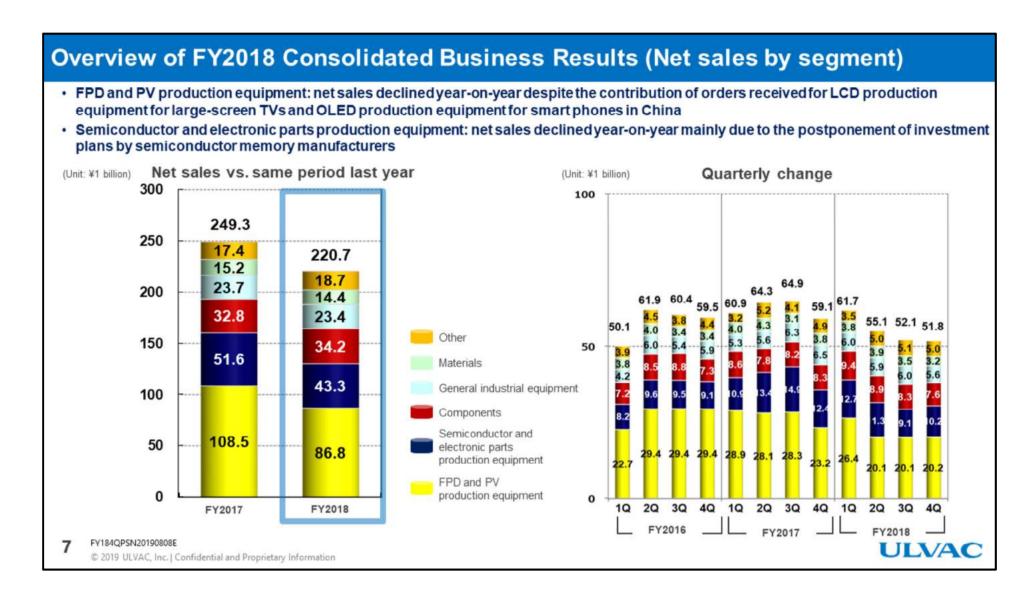
Operating profit also declined year on year mainly due to the lower net sales, but exceeded forecast.

In addition to operating profit of 15.5 billion yen in the first half, it was 8.3 billion yen in the second half. This is due to the impact of the decline in net sales and the allowance for doubtful accounts of a total of 28 billion yen.

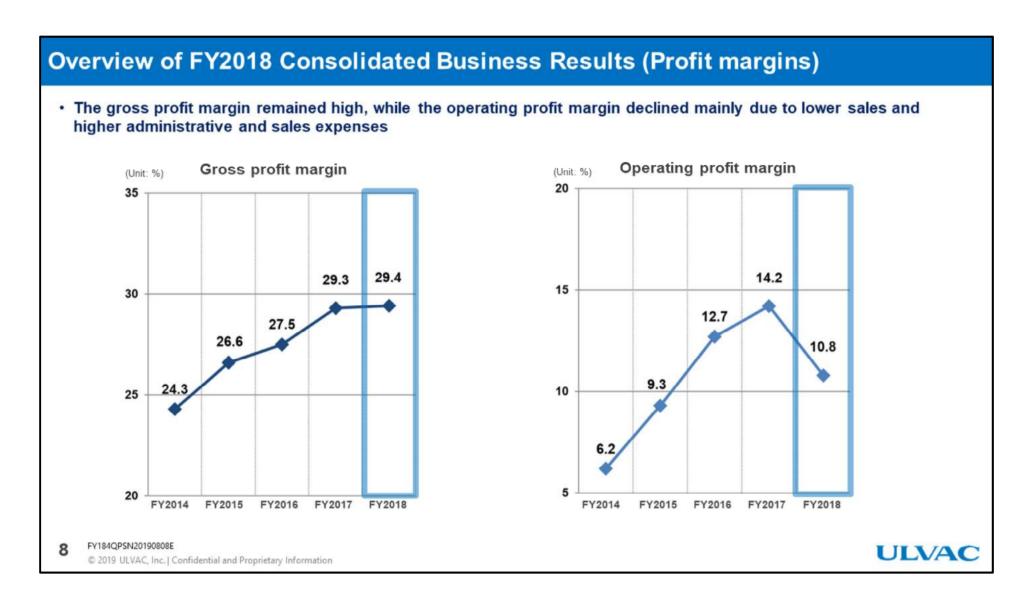


In terms of orders received by segment, incoming orders of LCD production equipment for large-screen TVs and OLED production equipment for smart phones in China contributed to the ongoing high level of orders received in FPD/PV, although it declined year on year.

Sales of semiconductors / electronics decreased year on year due to postponement of investment in semiconductor memory.

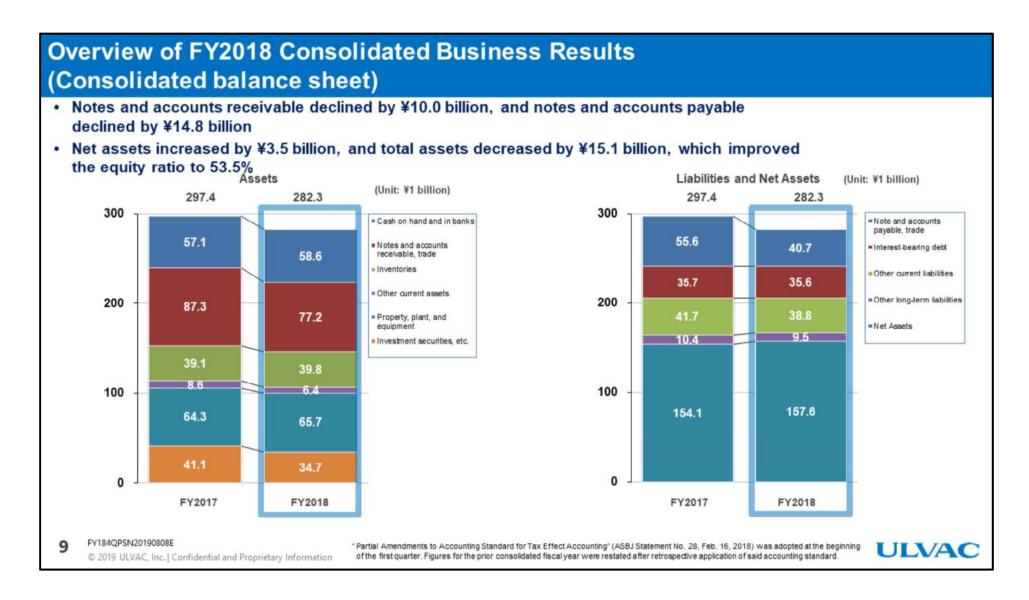


In terms of net sales, FPD / PV sales declined year on year, although the incoming orders of LCD production equipment for large-screen TVs and OLED production equipment for smart phones in China contributed Net sales of semiconductors / electronics decreased year on year due to the postponement of semiconductor memory investment.

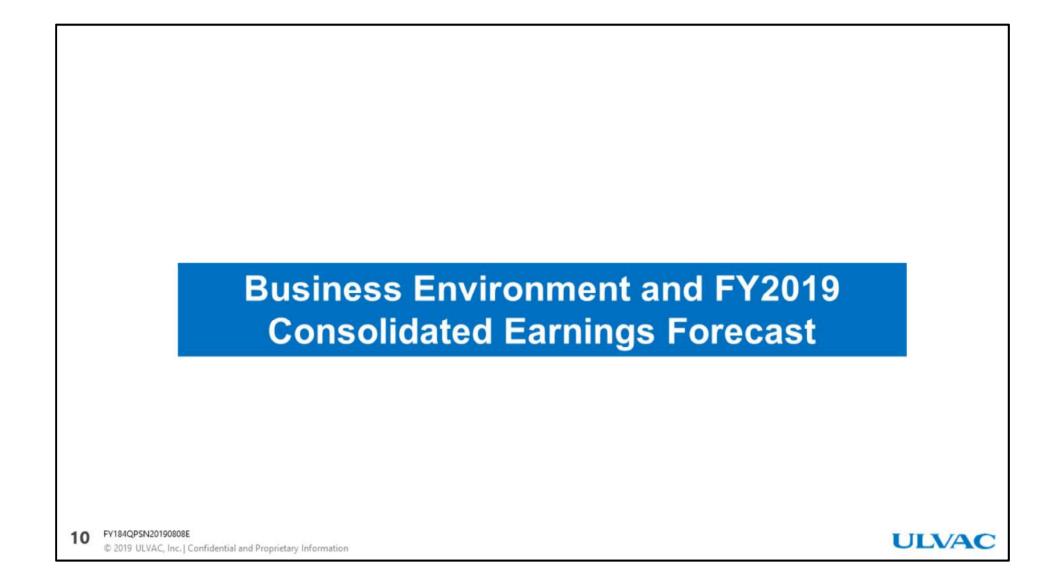


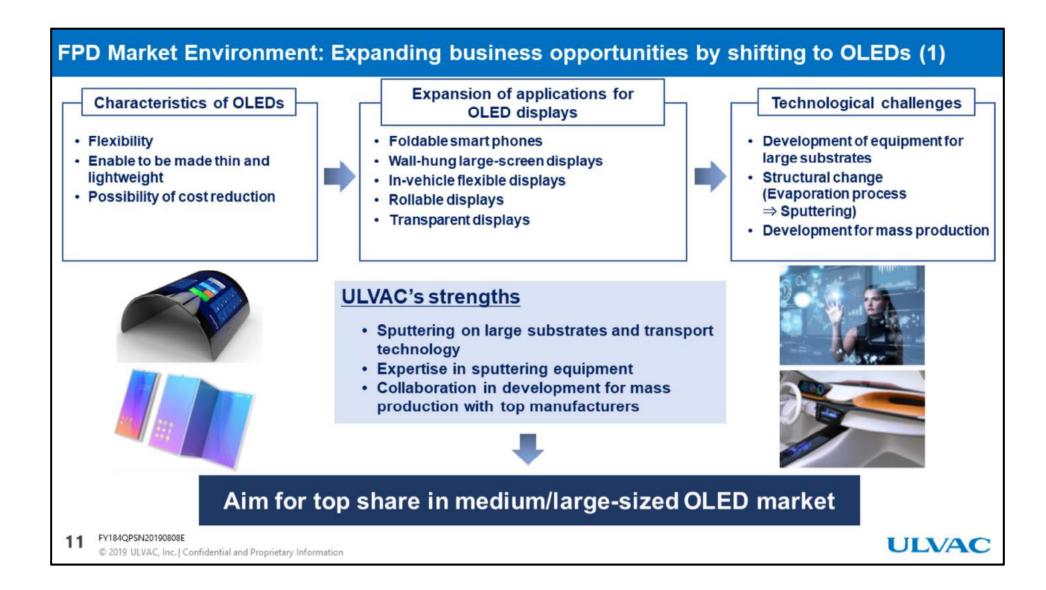
Gross profit margin remained high.

The decline of operating profit margin was due to (1) the impact of sales declines and (2) an increase in SG & A expenses.



Regarding the balance sheet, the equity ratio improved to 53.5% due to an increase in net assets of 43.5 billion and a decrease in total assets of 43.5 billion.

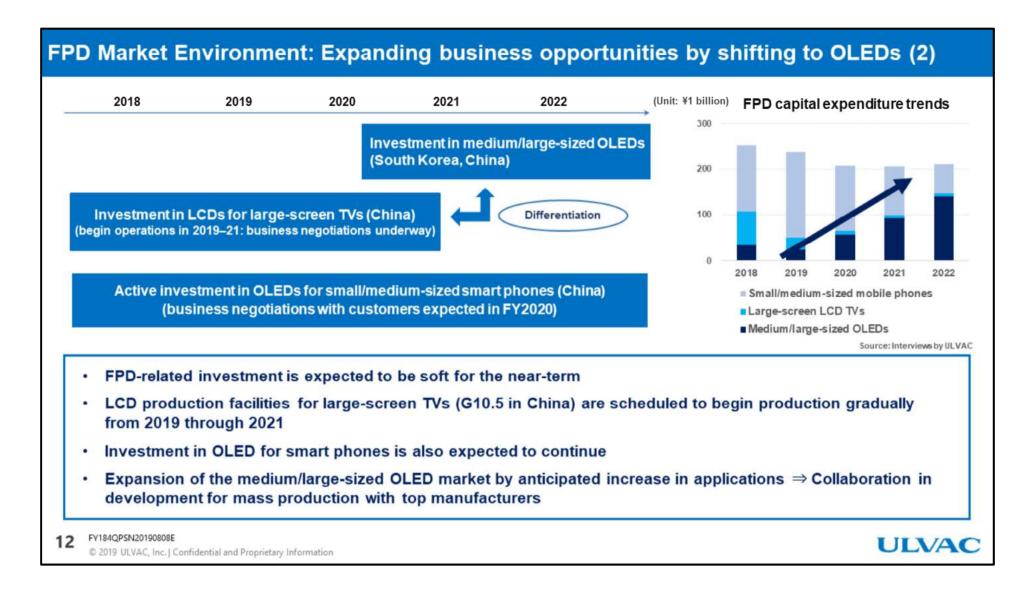




With the expansion of applications for organic EL and OLED displays, we believe that the medium and large OLED panel market will grow significantly.

Utilizing the flexible, thin and light features of OLED, it is expected to expand into a wide range of applications such as foldable smartphones and wall-hung displays, In-vehicle flexible panels, rollable displays, and transparent displays. .

In order to realize these, the equipment for large substrates such as G10.5 is essential. ULVAC has strengths as a top runner in sputtering and transport technology for large substrates to aim the top share in the medium and large OLED market.



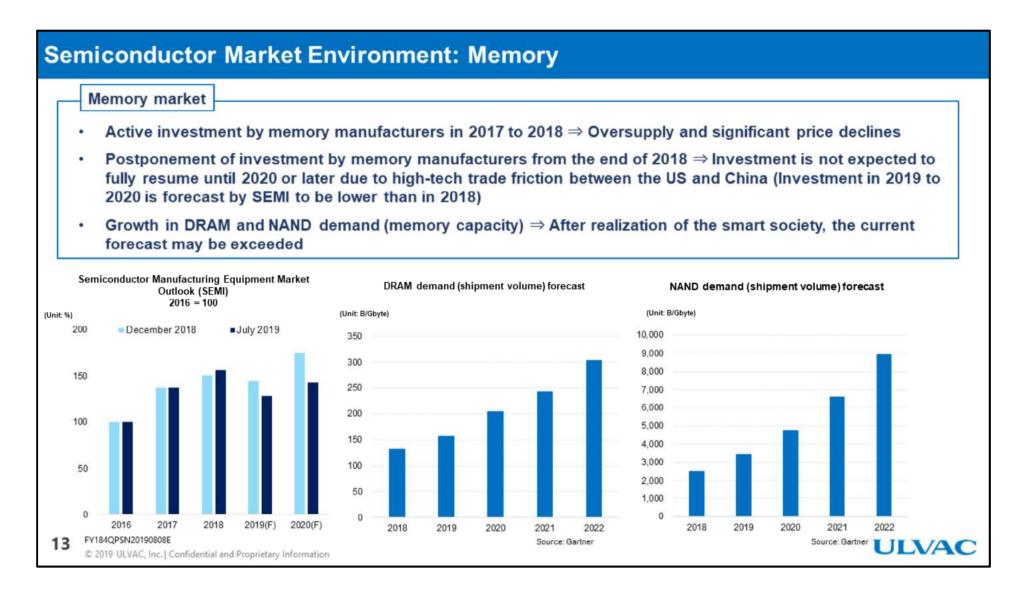
LCD production facilities for large-screen TVs in China is scheduled to start operation from this year to 2021, and the investment will be continuing. Although the large-scale negotiations has been completed, net sales will continue to contribute.

Investment in OLED for smartphones is expected to continue, but there is a high possibility that business negotiations related to investment by our customers who are panel manufacturers will be next year.

We will collaborate with top manufacturers in development for mass production to expand the medium and large-sized OLED market by anticipated increase in applications

Although FPD-related capital investment has been weak recently, we believe medium- and large-sized OLEDs will drive growth in the future.

In order to create the next business opportunity, we would like to make full use of ULVAC's strength to develop medium- and large-sized OLED production equipment.



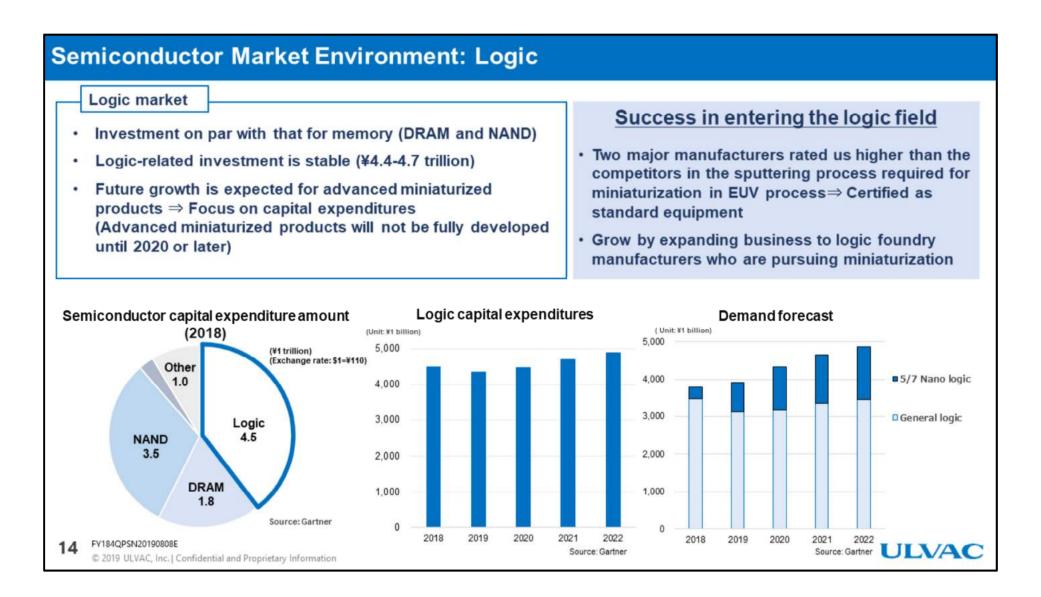
Memory manufacturers made active investments from 2017 to 2018, resulting in excessive supply and prices that had soared sharply dropped.

For this reason, the memory manufacturers postponed investment from the end of 2018, but due to the recent high-tech friction between the US and China, the full-scale resumption of investment is likely to carry over to next year.

On the other hand, demand for DRAM / NAND bit bases is growing, and we believe that investment will resume and become more active as memory manufacturers begin to approach current supply capabilities.

As 5G is realized and established, the smart socialization is in full swing, and various application developments are started simultaneously in various applications, demands that far exceed the current bit-based forecasts will be generated, and capital investment corresponding to this will increase.

About this item, CEO Iwashita will give you some future information later.



The logic market is the same size as NAND / DRAM and its investment is relatively stable.

In the last year, ULVAC was selected by two major manufacturers in the logic field for the sputtering process, which requires miniaturization due to EUV adoption.

The future growth in the logic field will be mostly miniaturized cutting-edge products, ULVAC was certified as the first supplier last year in an important process of these miniaturizing cutting-edge products. We intend to grow by expanding to logic and foundry manufacturers who are pursuing miniaturization.

Semiconductor Market Environment: New non-volatile memory (PCRAM) New non-volatile memory market ULVAC's strengths Memory positioned between NAND and DRAM in that it 1) has ULVAC is the only equipment supplier to a faster processing speed than NAND, and 2) unlike DRAM, it enable mass-produced film deposition system is non-volatile (memory is preserved even if power supply is for PCRAM Providing equipments to several major leading ⇒ Contributes to high-speed processing of big data and manufacturers at mass production level energy conservation Supporting the development for next-PCRAM can be used to replace DRAM-based DIMMs on generation products of manufacturers as a servers. Other applications will also be developed. **Emerging memory** (Unit: ¥1 billion) total investment forecast Conventional Next Gen. DRAM DRAM NAND Note: Emerging Memory includes MRAM, ReRAM, PCRAM, etc. Source: Gartner 2018 FY184QPSN20190808E ULVAC © 2019 ULVAC, Inc. | Confidential and Proprietary Information

New non-volatile memory is faster than NAND and can retain its memory even when the power is turned off unlike DRAM. It is a memory positioned "between NAND and DRAM" .It's larger capacity than DRAM contributes to speedy processing of information and low power consumption. ULVAC is the only equipment supplier to enable mass-produced deposition system for PCRAM in several major leasing manufacturers . PCRAM will respond to demand for replacement from "DRAM-based DIMMs" for servers. In addition, the development of applications for automobiles and smartphones is advancing, and the market is expected to expand in the future, including the application of AI to neuromorphics.

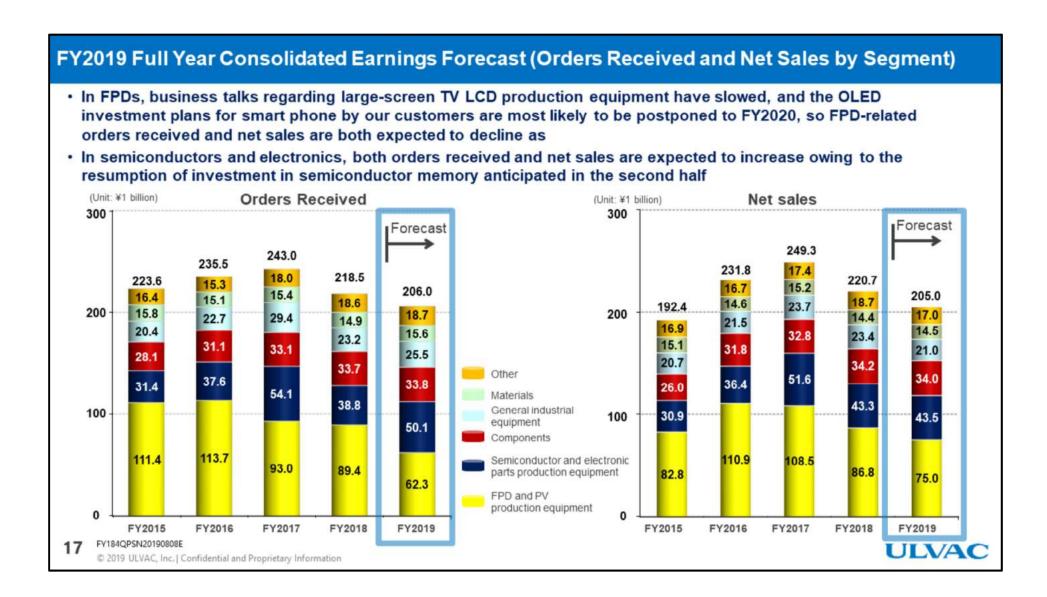
As our customer, the semiconductor manufacturers, have just been cultivating demand for the past one to two years, logic and PCRAM will not contribute significantly to ULVAC's business in an instant. However, we are confident that the future will surely become a major pillar of ULVAC. In 2022, we aim to double the sales of the entire semiconductor by expanding into new fields and rebalancing (1) conventional NAND / DRAM memory and (2) Logic & PCRAM to be about half the weight.

FY2019 Consolidated Earnings Forecast · Net sales are expected to decrease year-on-year to ¥205.0 billion (-¥60.0 billion vs. medium-term business plan) due to a decline in FPD-related investment · Operating profit is expected to decrease to ¥22.5 billion (-¥15.5 billion vs. medium-term business plan) in tandem with the decrease in net sales Net sales and operating profit FY2018 Forecast (by semi-annual period) FY2018 (Unit: ¥1 billion) (Unit: ¥1 billion) Change 150 45 Results 1st Half Full Year **Net sales** YoY Orders 116.8 218.5 98.6 206.0 -5.7% Received 107.5 103.9 97.5 100 30 220.7 97.5 205.0 Net Sales -7.1% Operating profit Operating 23.8 8.5 22.5 -5.6% 15.5 Profit 14.0 50 10.8% 8.7% 11.0% +0.2pt Ratio 8.5 **NetIncome** 18.7 6.0 15.5 -17.0% Ratio 6.2% 7.6% -0.9pt 8.5% FY184QPSN20190808E ULVAC © 2019 ULVAC, Inc. | Confidential and Proprietary Information

FPD-related investment has settled down, and net sales is expected to decrease year on year to 205 billion yen.

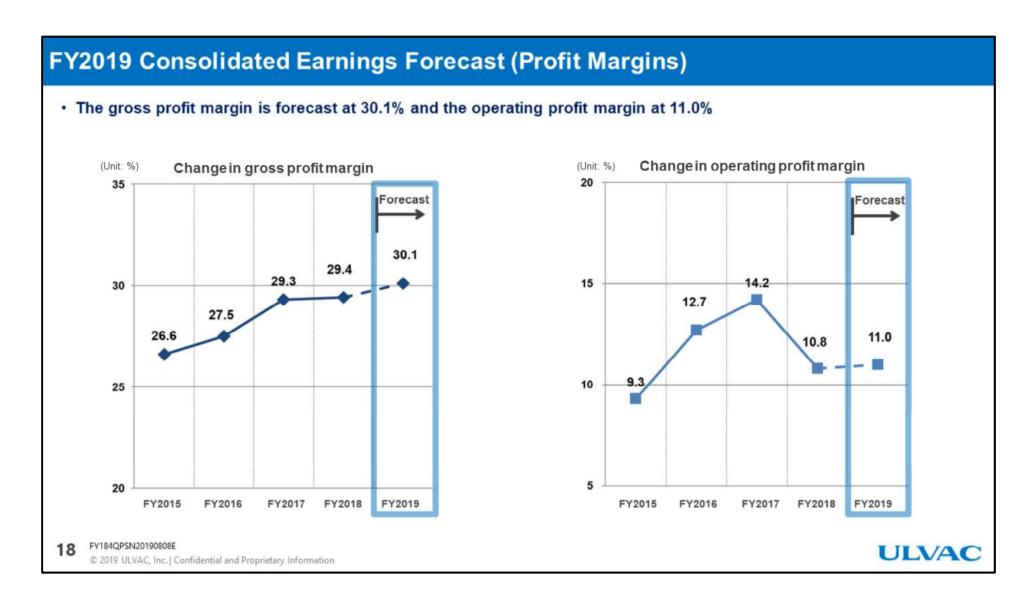
This is a negative 60 billion yen compared to the target of 260 billion yen in the final year of the medium-term management plan.

Due to the decrease in net sales, operating income is expected to be \$ 22.5 billion, a decrease of \$ 15.5 billion from the planned target.

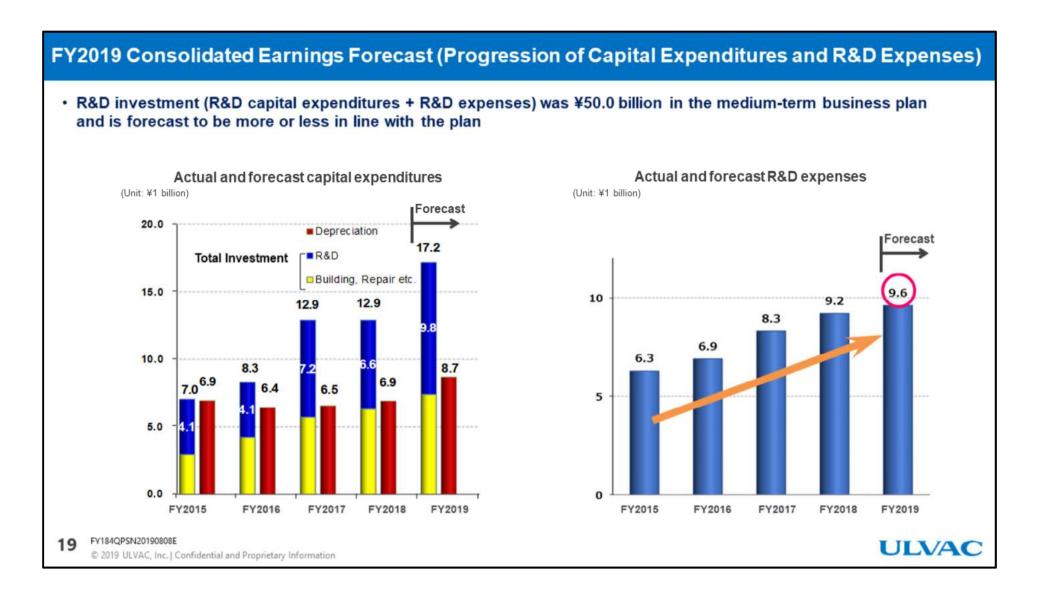


In FPD-related fields, business negotiations for LCD manufacturing equipment for large-sized TVs have slowed, and our customer investment plan for OLEDs for smartphones is likely to be in the FY2020.

In semiconductor electronics, orders and sales are expected to increase in the second half due to the resumption of semiconductor memory investment anticipated to occur in the same term.

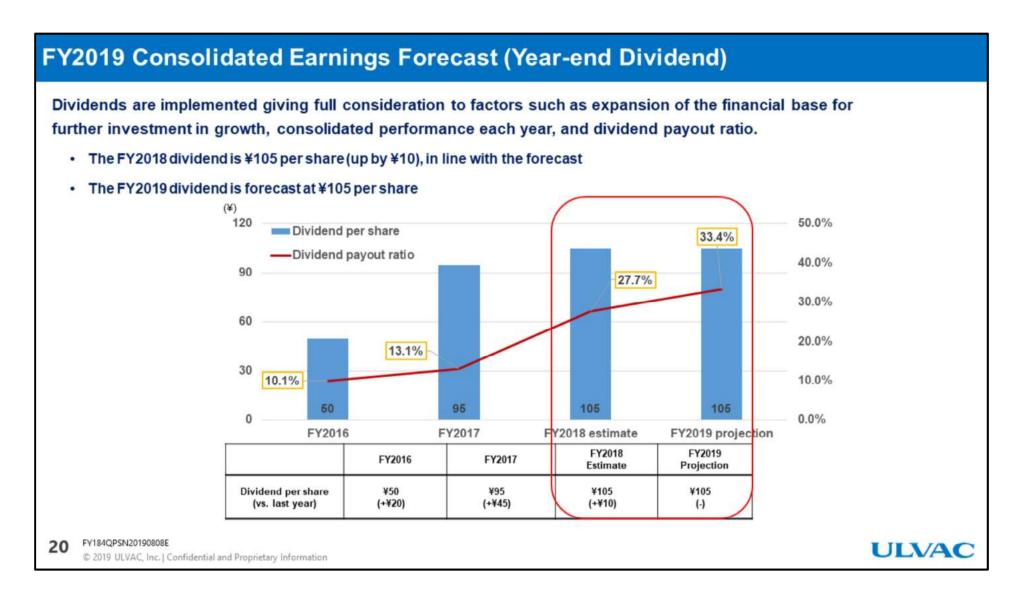


The gross profit margin is expected to improve to 30.1% and the operating margin to 11.0%.



R & D investment (capital investment for R & D + R & D expenses) was planned to be 50 billion yen in the medium-term management plan, and it is almost as planned.

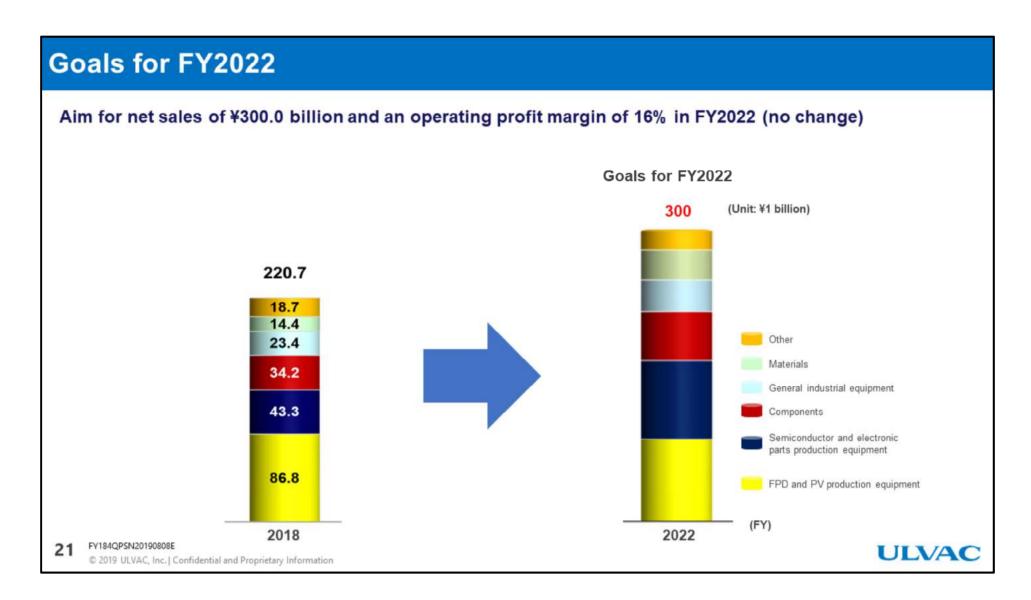
We are making development investments mainly in the business fields in which future growth is anticipated, such as Medium-to-large OLED, roll-to-roll deposition equipment for battery, logic and new nonvolatile memory, communication devices for 5G and power devices etc.



Dividends will be paid in consideration of the expansion of the financial base for further investment in growth, the consolidated performance and dividend payout ratio of each fiscal year.

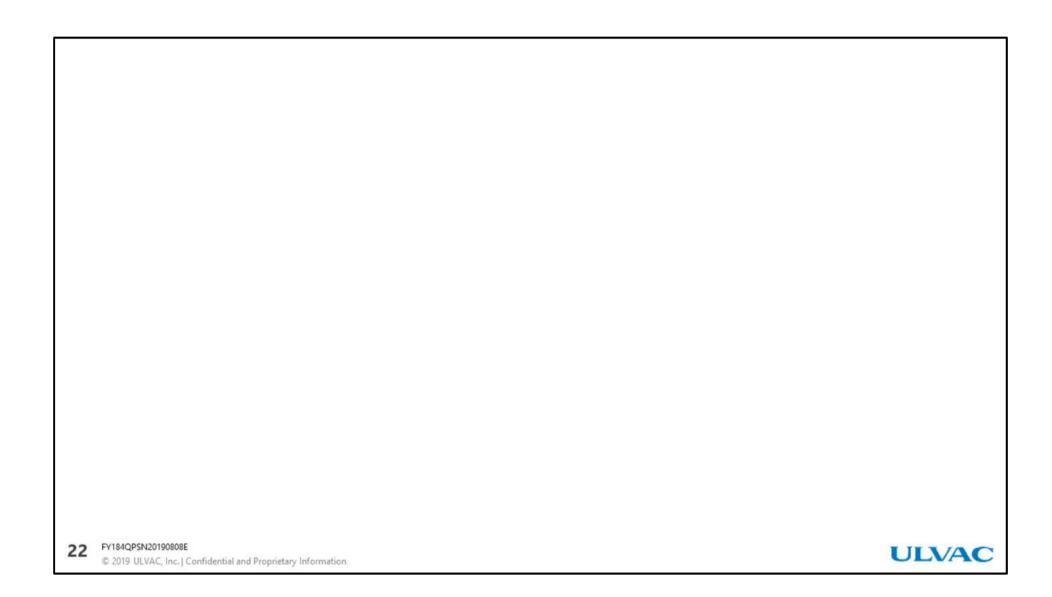
The dividend for FY2018 is expected to be consulted at the general meeting of shareholders in September, which is 105 yen per share as expected.

This year's dividend is also expected to be 105 yen.

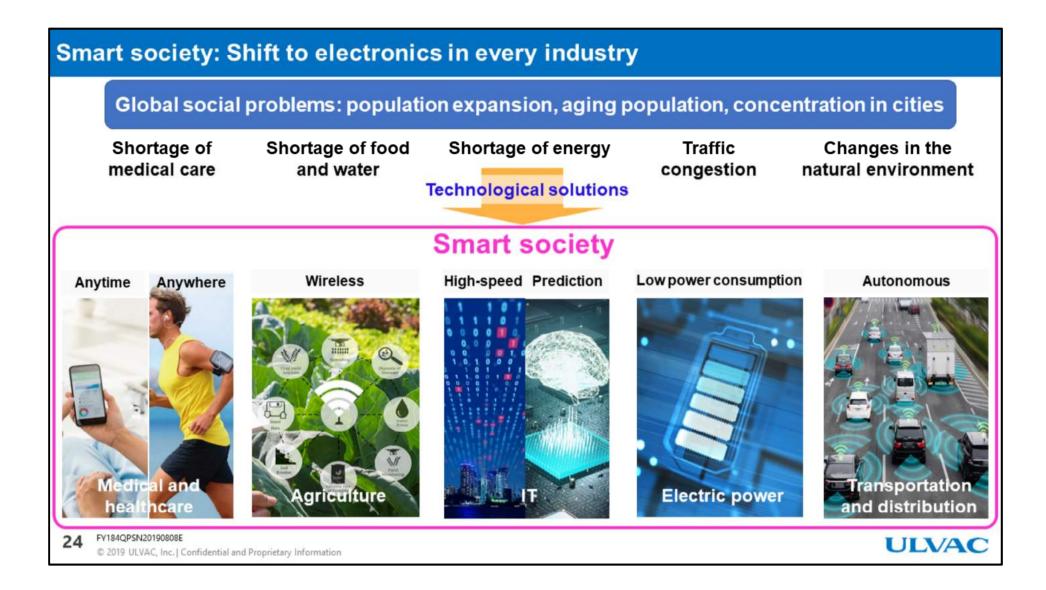


There are no changes to the target for net sales of \$ 300 billion and operating margin of 16% in FY2022.

Currently, orders and sales are unstable as FPD investment is in a period of replacement, semiconductor memory investment has been delayed due to a temporary reaction, and the influence of the US-China trade friction. However, if we take a little long view, huge business opportunities, such as the growth of semiconductor electronics and the expansion of OLED panel applications due to the smart society, will coming soon.



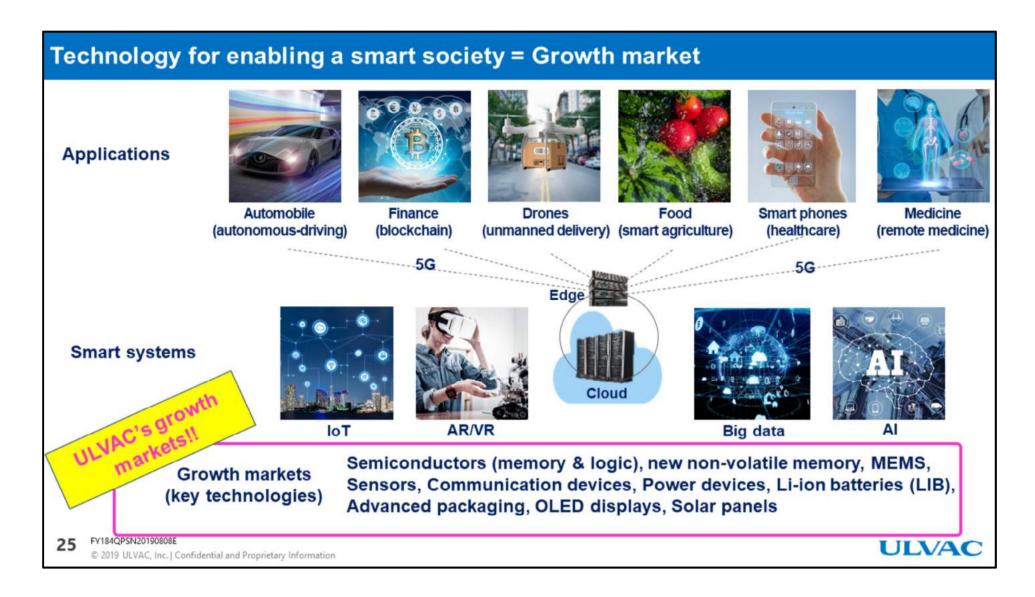




The world is experiencing an accelerating phenomenon of population growth, aging and population concentration in cities.

This is a global issue involving all industries, and the cure is to enable the smart society through discontinuous evolution of technology transforming all industries by digitalization.

To support the realization of a smart society, data processing at high speed and low power consumption using innovative semiconductors and electronic devices, high-speed wireless communication, high-performance sensing, independent power supply and energy-saving power technologies are required, and the fusion of these technologies (integration) is also important.

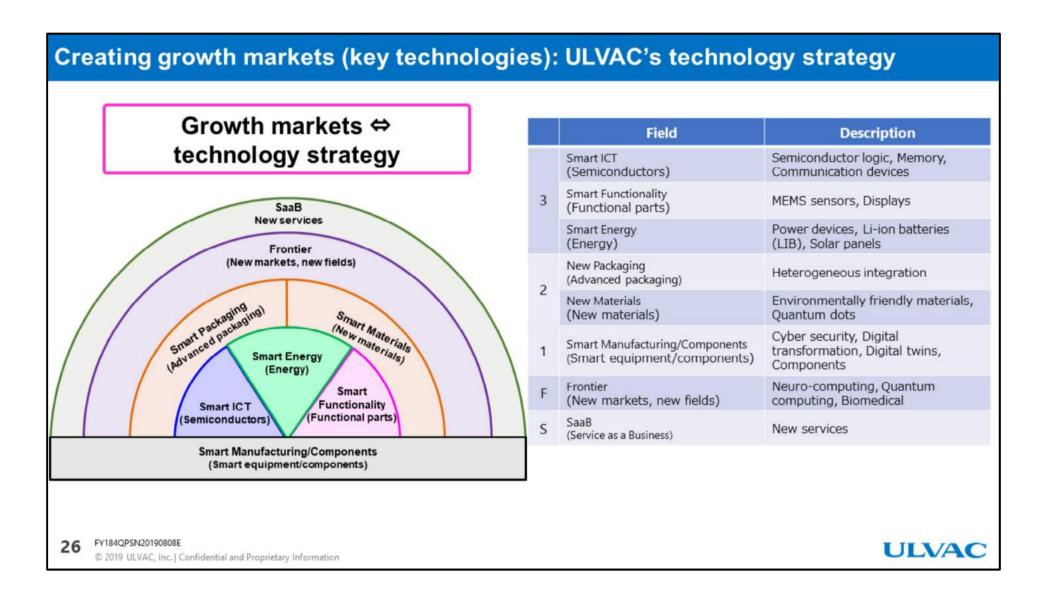


This page illustrates the relationship between the smart society and ULVAC.

We can already feel the Smart society within our everyday life, and the evolution of technology in this "APPLICATIONS" group has made remarkable progress.

The industries and application fields that are currently experiencing rapid growth are exactly those described here, and the technologies and industries that realize the electronization of all industries are growth markets.

ULVAC possesses key technologies essential for key devices, of the expected growth markets.



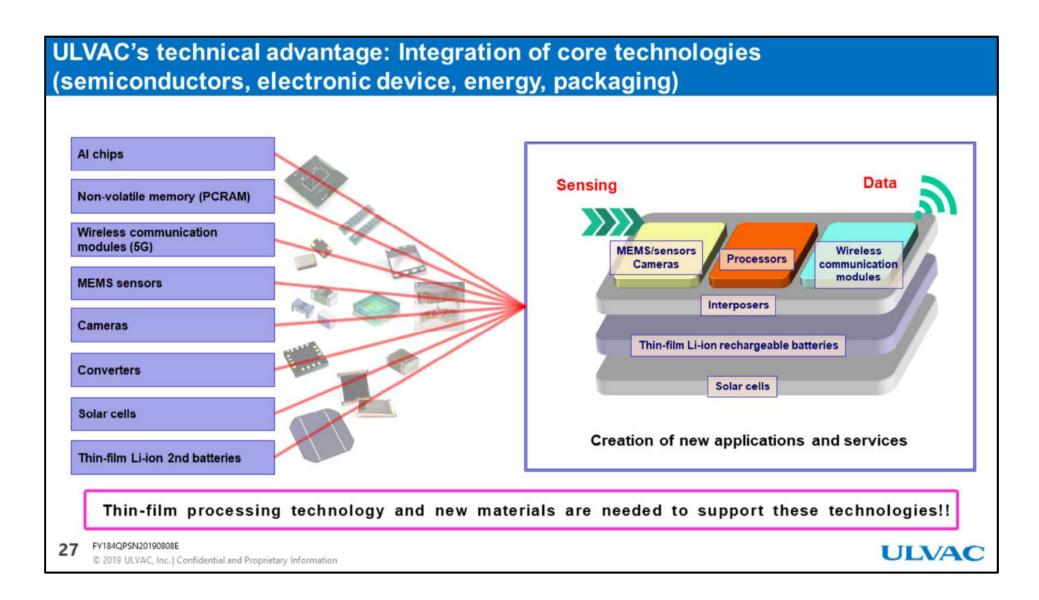
The following three key factors is essential for the growth of ULVAC with the smart society, and these factors is also the strengths of ULVAC.

- 1. To possess competitive superior technologies and products that meet the requirements of key devices in growing markets.
- 2. Fusion of various technologies and to have a wide range of technologies, product lineups and platforms that meet integration requirements.
- 3. Possess a global strategic technology and business collaboration that can follow the speed of technological evolution in growth markets, own technologies that can be deployed in high-growth regions such as China and possess mass production supply chains.

The chart on the left shows ULVAC`s technology strategy for the growing market of the smart society.

In particular, IoT, AI, and autonomous driving require new devices, and such key devices requires mass production technologies for the leading-edge semiconductors, communications, MEMS sensors, power devices, batteries, and displays. In addition, new materials and new packaging (integration) technologies needs to be utilized. Also, new services such as components necessary to enhance the performance of manufacturing equipment and digital transformation, as well as initiatives for cyber security, are necessary.

Based on this strategy, ULVAC is developing technologies and products, strengthening global collaboration, and developing regional supply chains and preparing for the growing markets within the smart society.

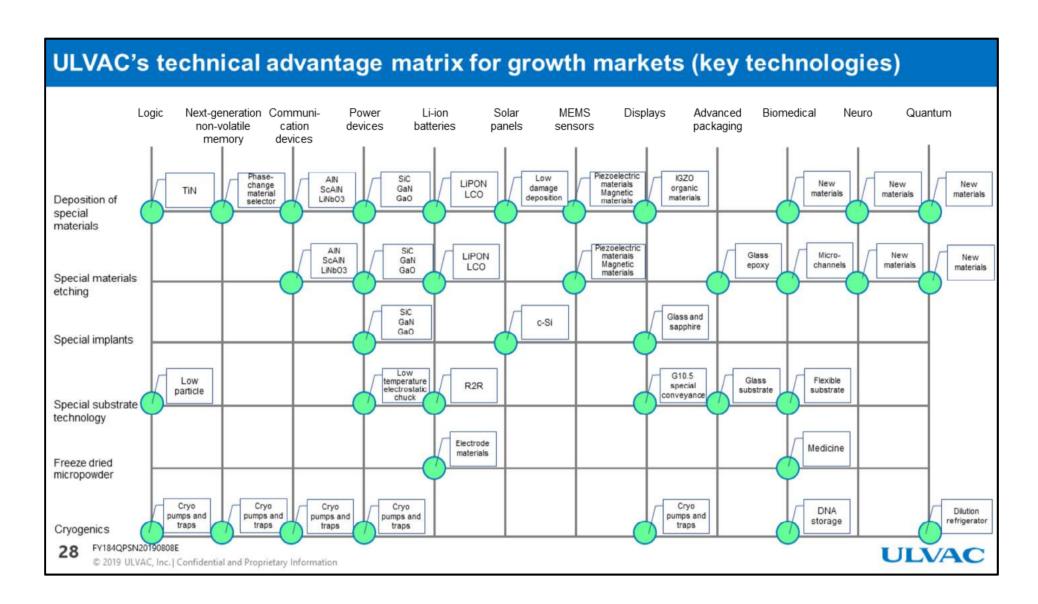


The chart shows examples of next-generation edge devices for users and terminals that are required in large quantities in the smart society.

What is unique is that various devices are integrated into one package.

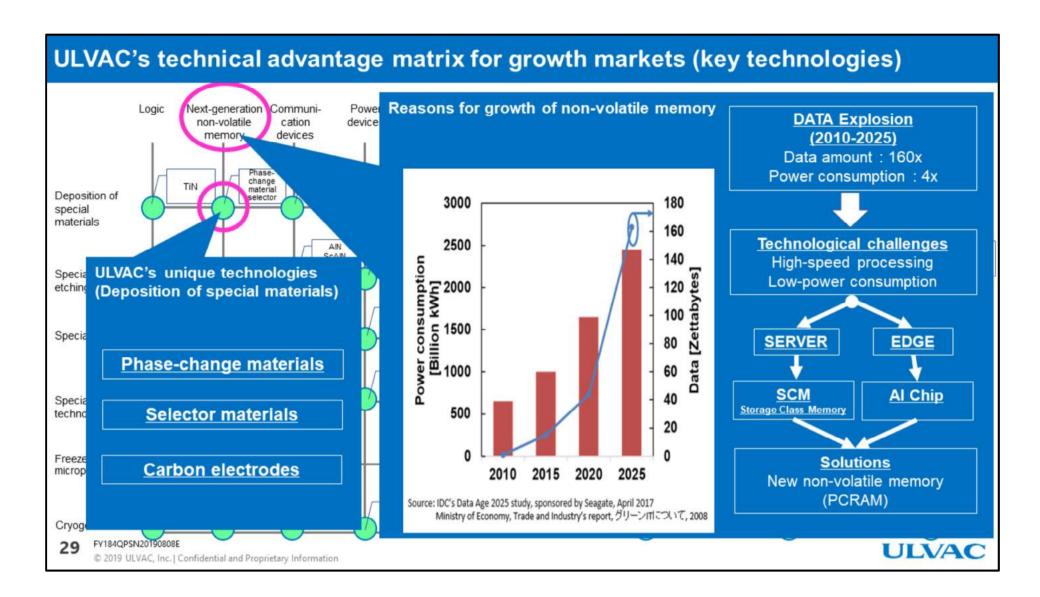
An example case will be sensing data based on semiconductor, communication, and MEMS technologies will be calculated and decided by its own, then only necessary data is transmitted to the cloud. Charging and battery replacement can be eliminated by installing a power source that integrate a lithium secondary battery and a solar panel (independently driven).

Ulvac's major advantage is the ability to provide a wide range of technology coverage as an one stop platform, including technologies to handle microdevice to very large-substrates, various film deposition and processing technologies in realizing these integrated devices.



The matrix expresses the growth markets in a smart society on the horizontal axis and the advantage of ULVAC (differentiator) technology on the vertical axis. The green dots indicate the interface between growth markets and ULVAC's advantage technologies and show ULVAC's strong ability to capture business in these growing markets.

A specific example is listed on the next page.

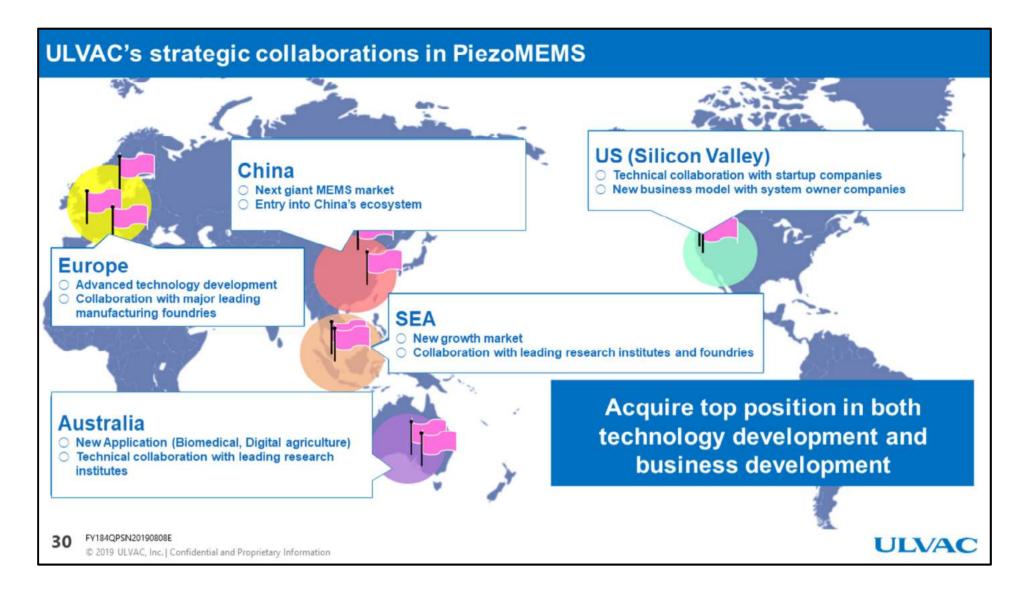


This section introduces the semiconductor memory field as a specific example.

The volume of data generated worldwide will increase by 160 times (data explosion), and the power consumption needs to be technically solved for the sustainable growth of human and the society.

The technical solution requires high-speed processing, low power consumption, and implementation of AI. New non-volatile memory (New NVM) such as PCRAM is a powerful solution used as storage class memory (SCM) within the cloud, and in addition, is a leading candidate for AI memory at the Edge.

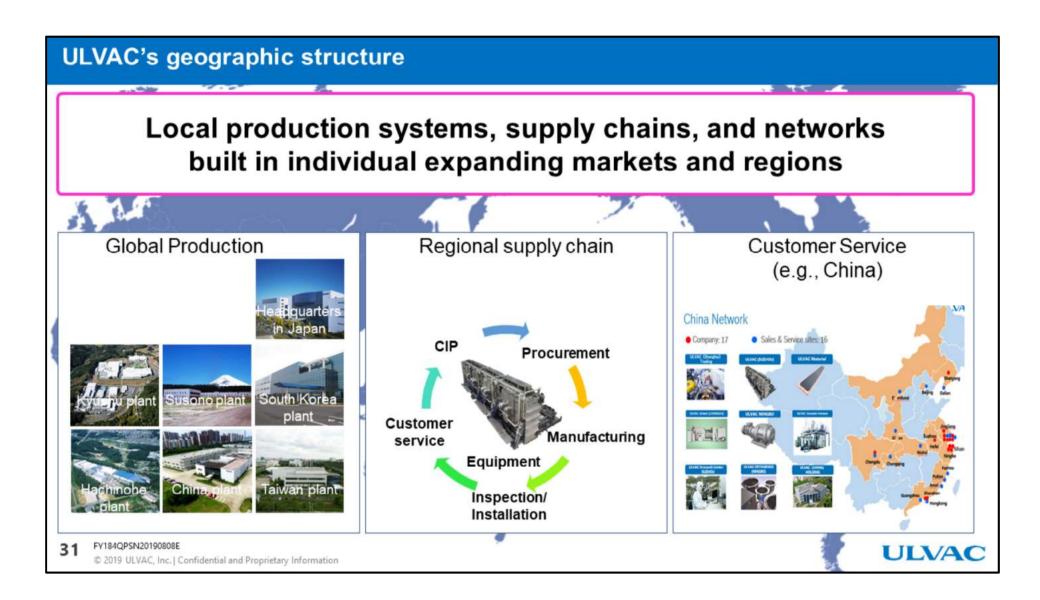
ULVAC is the global leader and the only equipment company enabling 3D type PCRAM at a mass production level. Such results come from a 25year development history, holding many special key technologies within the PCRAM field.



ULVAC is in active collaboration both in technological and business development.

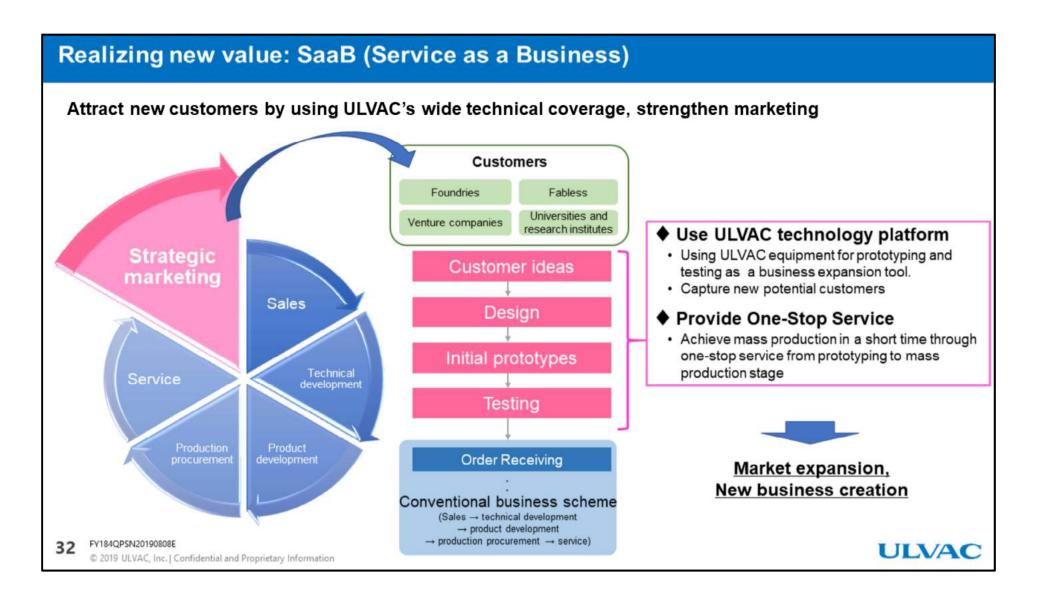
As an example, this page shows ULVAC strategic collaboration in the PiezoMEMS field which is the most growing market area within the MEMS.

By collaborating with; several major leading European companies that have advanced device technologies and are major mass production manufacturers, leading research institutes and foundries in China and Southeast Asia, and core companies in Silicon Valley that are technology users and other regions, we are recognized as a leader in both technology and business development.



This figure shows the high-growth regional strategy. In China and other high-growth regions, we are strengthening not only technology collaboration but also building our own supply chain and factories to manufacture equipment and customer service (CS).

ULVAC currently holds seven large factories located globally. In China, we built our own manufacturing supply chain and strengthening our customer service on a global basis. ULVAC is prepared to correspond to the high-growth regional markets



To provide new value, ULVAC will offer a platform utilizing ULVAC's wide range of technologies to support initial verification of new devices and materials for customers.

Customers will be able to carry out from prototype to verification of production in one stop, enabling cost saving and intellectual property preservation.

Benefit for ULVAC will be; Acquire new potential customers, early access to new technologies and business development through prototype services (increase in income). Additionally, expanding equipment sales through acquisition of production POR equipment status data. Expectations can be high both from Technology and Business perspective.

ULVAC wide range of technologies and a strong development will enable significant contributions to future growth.

