

# Agreement to Establish Joint Venture and Expand collaboration with Qualcomm and TDK Growth Strategy

TDK Corporation January 13, 2016

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## **Agreement to Establish Joint Venture and Expand Collaboration** (Executive Summary)



#### ■ Agreement to establish Joint Venture with Qualcomm for RF Components

- TDK has reached an agreement with Qualcomm for the launch of a joint venture company to engage in the supply of RF components.
- The joint venture will initially be owned 49 percent by TDK and 51 percent by Qualcomm. The plan is for a carve-out of the assets and patents related to the filter and module design and manufacture from TDK and its subsidiaries. The major share of these assets will be transferred to the joint venture, with some to be directly acquired by Qualcomm.
- Qualcomm will hold an option to acquire the remaining shares in the joint venture 30 months after the closing date, while TDK will have the option to sell off those shares.
- In the event that Qualcomm exercises its option to acquire or TDK exercises its option to sell -TDK's interest in the joint venture, the aggregate transaction value is expected to be approximately \$3 billion US dollars.

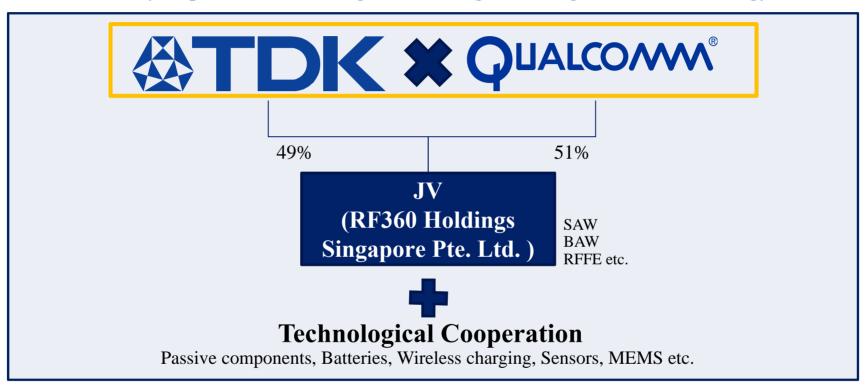
#### ■ Deepening collaboration between TDK and Qualcomm

• Along with the decision to establish a joint venture, TDK and Qualcomm have also agreed to expand their technical collaboration in passive components, batteries, wireless charging, sensors, MEMS and various other wide-ranging state-of-the-art technologies.

## Agreement to Establish Joint Venture and Expand Collaboration (JV Scheme)



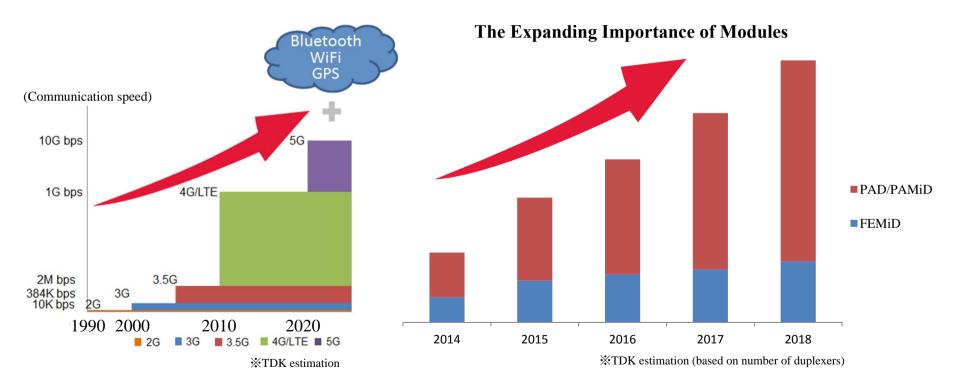
The joint venture will be positioned to strategically fuse the value chain comprised of the design, manufacturing and sales competencies of both partners, thereby striving to maximize its strength as a business entity capable of addressing the full range of next-generation technology and needs.



Delivering truly complete RF front-end solutions to the ecosystems for next-generation mobile communications ->Existing customers + New customers

## Agreement to Establish Joint Venture and Expand Collaboration (Evolution of the Environment Surrounding the RF Component Industry)

Against the backdrop of the rapid advances made in mobile communications and the growing number of Internet of Things (IoT) applications, RF components and solutions must support a higher and increasing complexity in the RF architecture of 4G LTE devices and next-generation mobile communication networks and technologies. This trend has been accompanied by the growing demands for modularization and further integration as well.



PAMiD: PA Module with integrated Duplexer FEMiD: Front-End Module with integrated Duplexer

## Agreement to Establish Joint Venture and Expand Collaboration (Qualcomm's Strong Product Portfolio)



In gearing up to excel in the IoT field, Qualcomm has emerged as a key global player in sectors other than smartphones as well.

#### Product announcements

Recap

#### Smartphones

- Snapdragon 820 80+ designs
- Letv with Snapdragon 820 and Qualcomm<sup>®</sup>
   Snapdragon Sense<sup>™</sup> ID



#### Networking

- Robust Wi-Fi 11ad ecosystem momentum
- Wi-Fi SON comprehensive platform

#### **Automotive**

- Audi + Snapdragon
   602A Automotive Processor
- New Snapdragon 820
   Automotive Processor

#### **IoT**

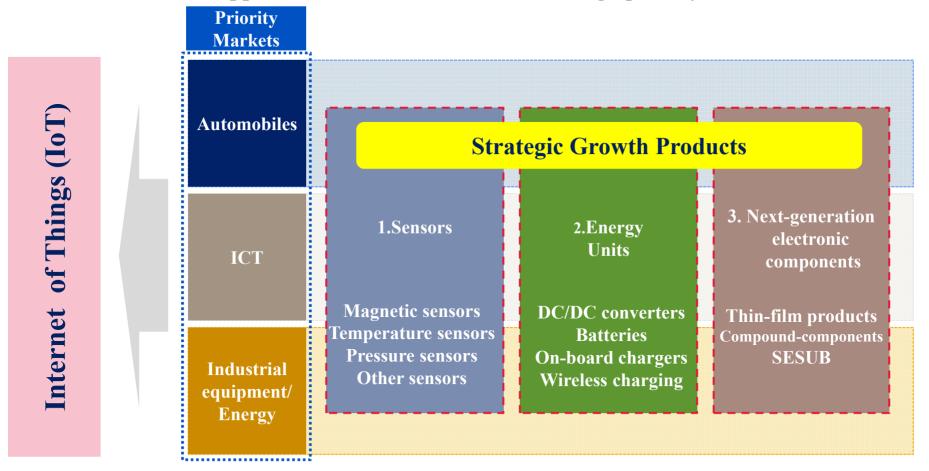
- Complete family of 4G LTE modems for IoT
- Snapdragon 212 Smart Home Reference Platform
- Tencent, ZEROTECH and Snapdragon Flight
- CSR102X Bluetooth Smart SoC
- aptX HD
- Novartis connected inhaler

#### TDK Growth Strategy (Strategic Growth Products for the IoT Market)



Accelerate expansion of strategic growth products by strengthening of the business collaboration with Oualcomm

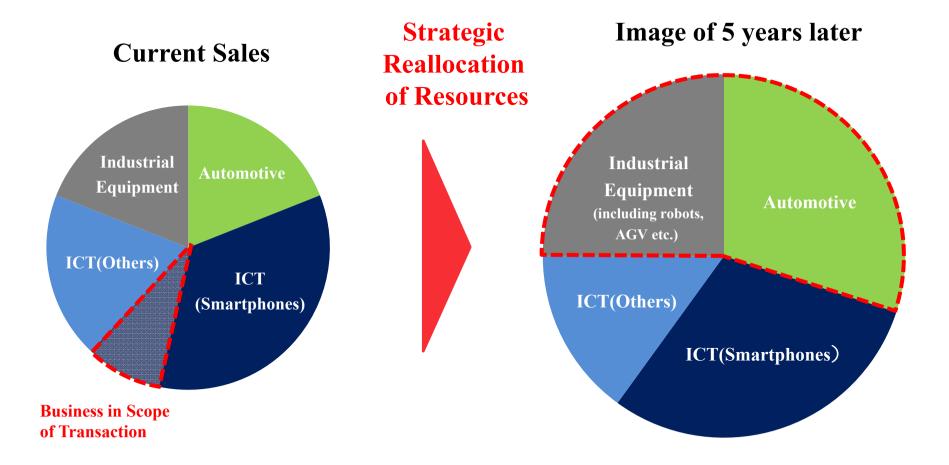
→To land business opportunities in the IoT business through priority markets.



Strengthened Business Collaboration with Qualcomm

#### TDK Growth Strategy (Strategic Reallocation of Resources)

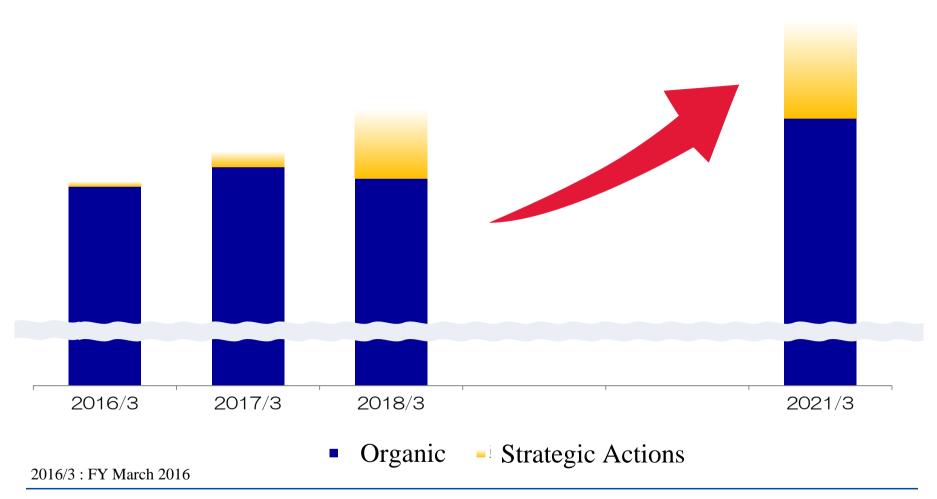




#### **TDK Growth Strategy (Image of sales growth)**



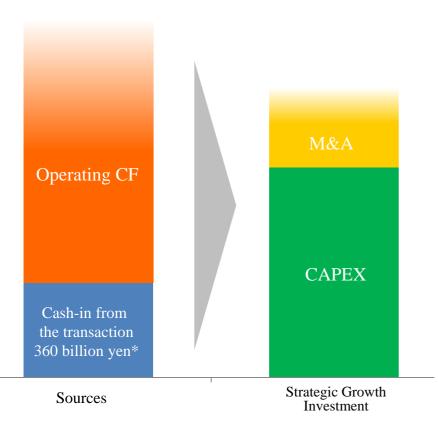
#### Sales growth by organic growth and strategic actions

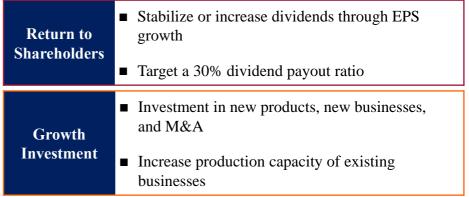




## Strategic Growth Investment and Its Sources

#### **Mid-term Target**





	FY March 2015 Results	FY March 2018 Target
Operating Income Margin	6.7%	Over 10%
ROE	7.2%	Over 10%

<sup>\*</sup> USD = JPY 120

#### **Cautionary Statements with Respect to Forward-Looking Statements**



This material contains forward-looking statements, including projections, plans, policies, management strategies, targets, schedules, understandings, and evaluations about TDK, or its group companies (TDK Group). These forward-looking statements are based on the current forecasts, estimates, assumptions, plans, beliefs, and evaluations of the TDK Group in light of the information currently available to it, and contain known and unknown risks, uncertainties, and other factors. The TDK Group therefore wishes to caution readers that, being subject to risks, uncertainties, and other factors, the TDK Group's actual results, performance, achievements, or financial position could be materially different from any future results, performance, achievements, or financial position expressed or implied by these forward-looking statements, and the TDK Group undertakes no obligation to publicly update or revise any forwardlooking statements after the issue of this material except as provided for in laws and ordinances. The electronics markets in which the TDK Group operates are highly susceptible to rapid changes, risks, uncertainties, and other factors that can have significant effects on the TDK Group including, but not limited to, shifts in technology, fluctuations in demand, prices, interest and foreign exchange rates, and changes in economic environments, conditions of competition, laws and regulations. Also, since the purpose of these materials is only to give readers a general outline of business performance, many numerical values are shown in units of a billion yen. Because original values, which are managed in units of a million yen, are rounded off, the totals, differences, etc. shown in these materials may appear inaccurate. If detailed figures are necessary, please refer to our financial statements and supplementary materials.



