

Business Outline

We design semiconductor integrated circuits (ICs and LSIs) and printed circuit boards. We also possess the technology to analyze and reduce substrate crosstalk noise, which becomes a problem in mixed analog/digital LSIs. We leverage our characteristics as a university-led venture to take on human resource development, OJT, and workshops at any time for new company employees and beginners in the analog field.

Product Strength

We have strong confidence in our design technology for high-performance analog circuits (such as amplifiers, ADCs, and DACs). We have achieved globally top-class noise performance, such as an equivalent input noise voltage for a gyro sensor amplifier of 12 zF/rt-Hz. We have also developed a 0.7 μ Vrms amplifier designed in a system LSI that detects brainwaves in a living body. We have accumulated extensive design experience with successive comparison type ADCs, which are characterized by low power consumption, and high-precision delta-sigma ADCs. Recently we have also focused on developing X-ray image sensors for space applications and on design technology for semiconductors that have radiation resistance.

Company Strength

We have engineers who combine theoretical analysis and implementation capabilities. They can propose optimal solutions covering from specification proposals to circuit configuration analysis and extensive, flexible customization at the system level. We assign the most suitable engineers and establish a system so that we can quickly respond to urgent customer requirements according to the customer's budget. We can take advantage of our strength as a university-led venture to use our university connections to investigate state-of-the-art technology and achieve a bridge to technology utilization.

Company Structure

We will assign two expert sales engineers to support new customers based on our in-house technology. We ascertain the customer's problems, propose solutions, and provide full explanations. We solve problems by making the best use of our network, and by cooperating with our partner enterprises. We have assigned two English-speaking staff members with the goal of expanding overseas, such as expansion to China, Southeast Asia, and the United States.

Message from President

Atsushi Iwata

Our company has human resources with confidence in their expertise, a network with universities and research institutes, and experience cultivated in consignment business with electronics enterprises. This is why we receive customer trust. Our company's services are based on analog circuits using state-of-the-art CMOS devices and radio circuit technology. Our goal is to cultivate new fields and expand our business by engaging in technological cooperation and joint development with system enterprises. We will also apply new technology to products in growing business fields involving human health and safety, and that promote energy and resource efficiency. We hope to expand our business with a strong awareness of markets specifically in emerging countries as well as in Japan.

Certificate

[Awards]

Letter of thanks from RIKEN (2012); The Japan Institute of Electronics Packaging, Engineering Award (2009); Industry-Academia-Government Collaboration Center, University-Led Venture Prize for Services (2005).

[Media]

Toyo Keizai, "The Talk: Towards Industry-Academia Collaboration through Analog Circuits, Which Have Become a Core Technology of the Electronics Industry" (2001); Nikkei Technology Online, "Development of Technology for Real-Time Low-Cost Monitoring of Power Fluctuations in LSIs" (2007) and "Tool for Analyzing Power Source Noise in a Si Substrate at the Floor Plan Stage" (2010).