
Control Technologies Utilized in the Products



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The severe market competition today means that staking one's survival is taking place all over the world. The product which can offer advantages to the customer is indispensable in overcoming this market competition. There can be various product advantages for the customer including higher efficiency, increased reliability, and better value.

Therefore, Sanyo Denki examines the market trend, the customer demands, and the strength and weakness of our existing products closely before we develop a new product. By doing these things, we can determine improvements to offer the customer and then we set the corresponding development targets. The development targets can range from improving performance, function, reliability, efficiency, size or any combination of these targets.

Needless to say, control technology is one of the important technologies that decides performance and function of an independent or system product. Using the servo system as an example, if the control of the servo amplifier is poor regardless of the efficiency of the servo motor and the sensor, the performance of the total system cannot be realized. The performance as a system can be fully demonstrated only with a servo amplifier that has excellent speed and position control. The determining factor is the control technology.

Examples of the control technologies for the Cooling System Division, the Power System Division, the Servo System Division, the Control System Division, and also the introduction of new products which best make use of our control technologies are reported in this technical report.

These products utilize highly developed controls thanks to a variety of innovative ideas with the result being functionality and performance beyond previous imagination. In addition, those technical know-how or solution invented while product development are frequently applying for industrial property.

We are convinced that the control technologies in this report, and the product groups which make use of them, are highly competitive and able to provide the customer with many advantages. However, as the life cycle of the product is short and technology advances quickly, maintenance of the status quo in such an environment is actually equal to falling behind. Therefore, it is necessary for us to continuously concentrate on the development of new products which can offer the customer further advantages.