SIRC Co., Ltd.

Address Honmachi Terada Building, 2-5-31 Kyutaromachi, Chuo-ku, Osaka City, Osaka
URL https://sirc.co.jp/

Plus ONE for the Future

～Changing the World: Realization of a Decarbonized Society～

All you have to do is easily add-on a small, no-construction, uniquely developed sensor unit to existing equipment! We have developed Analog DX and Decarbonization DX Solutions that will digitize necessary information easily as a retrofit platform. We hope to meet the needs of companies who want to continue to make use of what you have as long as possible.

Company Profile

◆ Business Overview

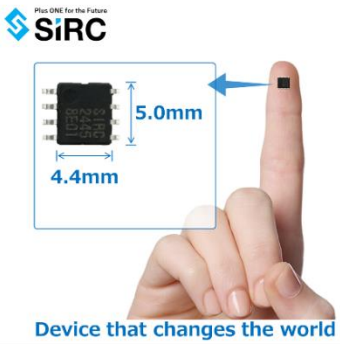
SIRC Co., Ltd. develops and distributes products with an arithmetic “SIRC device,” and also provides consultations to meet needs.

A SIRC device is a 5 mm square chip sensor device that can sense currents, electric power and angles, and can output the data in real time or extract frequencies. The device makes it possible to easily digitize necessary information by replacing existing currency or magnetic sensors.

SIRC devices can be widely applied in the energy field in every situation from the consumer side such as home air conditioners, lighting and electric cars, to the supply side such as power lines, large-scale generators and distribution lines.

SIRC provides devices for a wide range of industries to solve diverse issues while also addressing environmental issues.

【SIRC Device: Ultra-compact, Lightweight, Low-power Consumption】



Features & Strengths

◆ Business Model Features

An important feature is that while being small, SIRC devices are multifunctional, so it is possible install them in places where conventional sensors could not. We are developing and manufacturing units that use low power Bluetooth radio, such as angle, current, electric power sensor modules, and large current measurement modules.

Our major devices are the IoT angle and IoT electric power sensor units. Our main business model is to sell units and systems that receive the units’ Bluetooth sensor data. We also develop solutions for our products by cooperating with other companies.

Integrating an IoT angle sensor makes it possible to digitize what has traditionally been measured with mechanical analog meters. Our strength is in this hybrid system that allows for digitalization by using existing equipment rather than having to completely replace existing equipment to digitalize.

If the analog devices that have been used so far are completely replaced with digital equipment, there is a chance for problems and accidents and a risk of not being able to recover when lifelines are cut off due to disasters such as earthquakes.

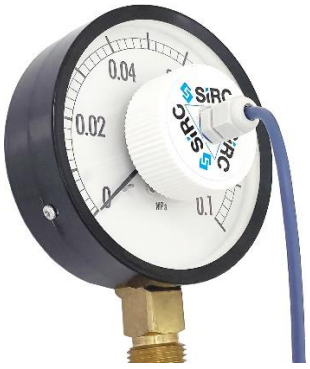
The hybrid IoT angle sensor unit reduces the risks associated with digitalization and enables safe operation.

◆ Strengths

Sensors with SIRC devices are significantly smaller, lighter, and consume less power than conventional products. The ultra-compact size is a major attraction, allowing it to be installed in places where sensing was value and previously impossible.

We began mass producing the IoT electric power sensor unit at the end of 2022. The sensor measures the electric power of each production line and devices, and promotes the decarbonization of the manufacturing industry. The unit is electrically non-contact and by simply attaching it to electrical wires, it is possible to extract effective power. Conventional products require electrical work for installation, but our unit can be easily installed without construction. No matter how good a product is, it will not be used if it takes time and work to install. Our unit can be installed in 15 seconds, and a cloud system server can show the amount of power in 1 minute, allowing for quick implementation.

【IoT Angle Sensor Unit: Digitalization by Attaching to Mechanical Pressure Meters】



Background of Establishment

◆ Business View

We aim to build a win-win-win society where the three elements of people, economic growth, and environment protection all benefit. This is not easy, but by utilizing sensors that have SIRC devices, it will be possible to manage seemingly opposing factors that utilize existing items while making needed digitalization happen easily on-site.

In addition, if SIRC devices are used for detailed forecasting and control of power demands, they will help implement concrete measures to achieve zero carbon goals.

We hope to create a society where both people and the economy can grow while being considerate of the planet. This idea forms the management philosophy of SIRC Co., Ltd.

Vision for the Future

◆ Future Business Outlook

Our company has collaborations with others, but we are looking to further develop in this area. We aim to expand the possibilities of SIRC devices by not only deepening existing collaborations, but create new ones. Although it is possible to use our existing sensors and units, we hope to secure new partners globally through new product design.

SIRC devices are extremely innovative sensors, but due to their special nature, there are not many specialists and our technology is still relatively unknown. The challenge for the future is to add new value and increase our market share.

Our devices can serve as an effective solution to the issues currently facing the world, and the needs are expected to increase in the future. In order to meet these global needs, we aim to solve the issues of human resources and recognition issues and realize the ideal win-win-win society.

【IoT Electric Power Sensor Unit: Visualization of Effective Power Without Contact】