

Safety & Explosion Protection

Priority business measures

As a company that pursues and realizes world-class safety, ANSHIN, and well-being, we provide solutions that enhance safety and productivity

Since our founding, we have provided diverse products and services aimed at creating an optimal environment for humans and machines. At the same time, we have developed and supplied safety-related products that reduce the risks of using machinery, and explosion protection products that can be safely used in the presence of flammable gas and liquids. In so doing, we help customers to achieve both safer operations and greater productivity.

As a developer and supplier of products that protect people's lives, we equip society with a variety of products and services for realizing safety and ANSHIN. Our goal is to pursue and achieve the world's highest level of safety, ANSHIN, and well-being.

A leader in Collaborative Safety / Safety 2.0

The concept of safety has evolved over the years. It started with the idea of achieving better safety through human attention and discernment, referred to as "Safety0.0." Next came Safety1.0, which focused on making changes to machinery to protect workers, such as adding physical separation and stopping mechanisms. Now society has entered the era of Collaborative Safety / Safety 2.0, where both safety and productivity are realized through collaborative relationships between humans and machines.

The products we develop are designed to provide not only safety, but also ANSHIN. We strive to improve the well-being of society as a whole so that industrial workers and everyone else can live healthy, happy, and vigorous lives.



Slide handle actuator



Emergency-stop switch "XA series"



Interlock switch "HS5L series"

Globally expanding sales of safety-related products

More automation at manufacturing sites and increased awareness of worker safety have led to expansion of the global market for safety-related products.

We are seeing growth in sales of accessories such as interlock switches that ensure worker safety by sensing when doors and panels are open or closed, and slide handle actuators that facilitate the use of interlock switches. Also, our lineup of emergency-stop switches, which boasts a high market share, was expanded in 2023 with the launch of a product compliant with the new ISO 13850 safety standard. Incorporating our proprietary safety structure, this product features a shallow panel depth, and good environmental tolerance and impact resistance.

Our products for ensuring safety and ANSHIN in work environments can help to reduce occupational accidents.

Realizing predictive maintenance of explosion protection area equipment using IoT

It has become a challenge for some oil refineries and chemical plants to thoroughly maintain their explosion protection areas due to aging equipment, understaffing, and a shrinking number of skilled engineers.

Our "ES3M series" of wireless vibration sensors are intrinsically safe and enable predictive maintenance with their ability to detect warning signs of equipment failure via a wireless network. When used with the "ES3M-RE series" of explosion protection relays, they significantly reduce the time and workload required for maintaining equipment spread across large sites, and thus achieve greater operational efficiency.



Wireless vibration sensor "ES3M series"



Explosion protection relay "ES3M-RE series"



Manager's Message

Expanding safety product sales with a high level of service and support

Bavith Suresh

IDEC EMEA Product Manager
APEM Components Ltd. (UK)

IDEC EMEA is expanding sales of its safety products. To achieve this goal, we will implement a number of initiatives.

First, with targeted advertising campaigns, promotional activities, and increased presence at trade shows and conferences. Second, we focus on developing relationships with key distributors and customers in the market with a program of "Quick Start!" knowledge transfer sessions, providing application support and product demonstrations. Finally, IDEC will continue to invest in its resources to ensure that customers in the European market receive the highest level of service and support.