

## **Sanden will establish Research and Development Center in Chongqing China**

Sanden Holdings Corporation (Representative Director & President: Zhu Dan; head office: Iseaki-shi, Gunma, Japan), are promoting research and development activities toward the realization of "comfortable space which enrich human's lives" by creating new value through actively incorporating innovation technology from the outside, with "cooling and warming" as the key technology.

As an important part of the Sanden Group's global research and development strategy, our subsidiary Sanden Automotive Climate Systems corporation (President: Tadashi Kondo, hereinafter SDAS) will establish China research and development center (describe R & D center from below) in Chongqing China, and will start operation in September 2021. The purpose of this R&D center is to provide new and better technical services to our customers and markets. The center will provide full technical support to the existing development resources of each front in China, and will carry out R & D of new technologies required for Chinese OEM and new energy market, and to speed up the process.

This R & D center is a development department that works closely with the Japan R & D Center to localize the results of basic and advanced research in Japan and develop what Chinese customers demand and develop applications speedy.

At the initial stage of operation, we will provide an Integrated Thermal Management System (describe ITMS from below) with a futuristic concept and technology by combining the hardware and control software of Sanden's original ITMS with the powerful hardware and software control technology of the Hisense Group. At the same time, we will also develop a high-efficiency Electric Coolant Heater and an ultra-lightweight energy-saving HVAC that are one of the parts of the ITMS with specifications suitable for the Chinese market.

In addition, with the construction of the center, SDAS will strategically restructure the resources of each local subsidiary (production base) in the China area, and will manage and operate the Chinese air conditioner business under the central management system of Sanden China.

Based on a hard look at the society in 2030, Sanden Holdings established a vision of "Create the Affluent Society Environment and Comfort Are in Harmony". We will support the spread of electric vehicles (EV) through supply of ITMS so that we will be able to contribute to establishment of the decarbonized society.