

HERMES AWARD

Integrated drive with safety features

Sumitomo Drive Technologies is the winner of the Hermes award 2022. The awarded product complies with CiA 402 and provides an optional CANopen connectivity.

This year, the jury chaired by Prof. Dr.-Ing. Reimund Neugebauer, President of the Fraunhofer-Gesellschaft, awarded a product suited for applications in the growing robotics market. The award-winning Tuaka product is an integrated drive. It comprises the CiA 402 motion controller with safety functions, the gear unit, and the motor. Due to the product's sensor technology (integrated encoder) and thermal management, it is suitable for high-precision, sensitive applications in service robotics as well as for interaction with humans. The modular concept enables an application-specific configuration of the required hardware.

"This year we were again impressed by the number of excellent submissions from a wide range of technical fields and industries," said Prof. Reimund Neugebauer, chairman of the Hermes award jury. "Sumitomo Cyclo Drive Germany is a worthy winner. Their Tuaka product impressively demonstrates its innovative strength."

The drive implements the CiA 402 profile, one of the most used motion control profiles. There are different product versions (e.g. three sizes) available including those with CANopen (CiA 301) connectivity. The default safety functions include STO/SBC (safe torque-off/ safe brake control) compliant with SIL-3 (safety integrity level) and PL-e (performance level).

The Hermes award is presented each year at the Hanover fair. All companies and institutions exhibiting are eligible for entry, and the prize goes to the one whose product or solution demonstrates a particularly high degree of technological innovation. "This is the Oscar of industry," said Dr. Jochen Köckler, chair of the Managing Board of Deutsche Messe AG.



The German federal minister for education and research, Bettina Stark-Watzinger, presents the Hermes award 2022 to Sumitomo Drive Technologies (Source: Hanover Fair)

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