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Customer Inquiries

Media Inquiries

Transmission & Distribution Systems Marketing Div
Energy & Industrial Systems Group
Mitsubishi Electric Corporation

Public Relations Division

Mitsubishi Electric Corporation

tdm.tds@rf.MitsubishiElectric.co.jp

prd.gnews@nk.MitsubishiElectric.co.jp
www.MitsubishiElectric.com/news/

Mitsubishi Electric Acquires DC Circuit Breaker Developer Scibreak

Aiming to supply advanced circuit breakers for high-voltage DC power transmission



Mitsubishi Electric Executive Officer Noriyuki Takazawa (left) and Scibreak CEO Tomas Modeer

TOKYO, February 20, 2023 – [Mitsubishi Electric Corporation](https://www.mitsubishielectric.com) (TOKYO: 6503) announced today that it entered into a share transfer agreement on February 16 to wholly acquire Scibreak AB, a Swedish-based company that develops direct current circuit breakers (DCCBs). The two firms aim to strengthen the competitiveness of their unified business by working closely on developing DCCB technologies for high-voltage direct current (HVDC) systems to support the increasing global deployment of renewable energy.

Purpose of Acquisition

The introduction of renewable energy generation, such as wind power, is increasing worldwide to achieve carbon neutrality. Particularly in offshore wind power generation, HVDC is used for long-distance transmission between offshore and onshore load centres, as it offers lower power losses and cost when compared to AC transmission. In the future, multi-terminal HVDC networks are expected to develop,

particularly for offshore wind power generation in Europe, allowing for efficient cross-border energy transmission. These networks will require DCCBs, which will play a critical role in protecting the power system.

HVDC breakers will require very fast operation times, in the order of a few milliseconds, and companies are stepping up technological development in response to the need for more compact, high-performance, and cost effective DCCBs.

Scibreak has market leading DCCB technology, in terms of operation time and footprint. Through the acquisition of shares, Mitsubishi Electric will utilise Scibreak's technology and know-how to lead the market commercialisation of DCCBs, strengthening its global HVDC system business and contributing to the realisation of carbon neutrality through the further spread of renewable energy.

About Scibreak

Name	Scibreak AB
Location	Jaerfaella, Sweden
Establishment	2014
Employees	8 (as of December 31, 2022)
Business	Development of DCCB technology

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About Mitsubishi Electric Corporation

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its "Changes for the Better." The company recorded a revenue of 4,476.7 billion yen (U.S.\$ 36.7 billion*) in the fiscal year ended March 31, 2022. For more information, please visit www.MitsubishiElectric.com

*U.S. dollar amounts are translated from yen at the rate of ¥122=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2022