

SCiB™ Application Example

6 Features of SCiB™



Customer Information

Customer 	Japan Maritime Self-Defense Force	Location 	Japan
Application 	Main storage battery system for DSRV	Product 	SCiB™ System* (*Battery Energy Storage System)

Challenge



This image was edited from a photo posted on JMSDF web site. (<https://www.mod.go.jp/e/jdf/no119/activities.html>).

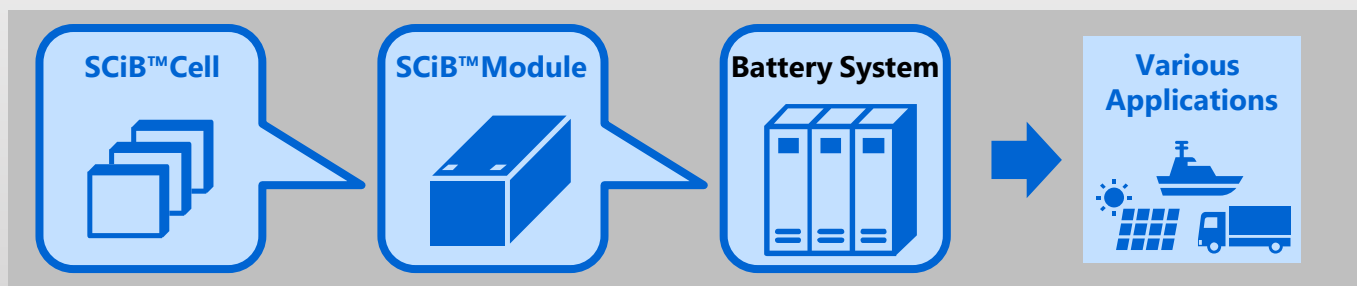
The DSRV*1, operated by the Japan Maritime Self-Defense Force submarine rescue ship Chiyoda, is used to rescue submarine crews. It was intended for deep sea operations and requires a very high level of safety for batteries, as well as flexibility in mounting to be installed in limited space within the vessel. Furthermore, to allow the rescue of more crew members, it needs to have the ability to recharge rapidly and repeatedly, and to have a long life.

*1 : Deep Submergence Rescue Vehicle

SCiB™ Solution

Safety, Low Calorific Value, Rapid Recharging, Scalability

- In addition to the high level of safety proven by repeated tests, SCiB™ has low internal resistance compared to existing lithium ion batteries which enable low calorific value when the battery system is charged rapidly.
- SCiB™ can also be flexibly packaged to suit available installation space and, this battery system for the DSRV was endorsed as TRL9 by the international operation of the Chiyoda for a year.



Toshiba Infrastructure Systems & Solutions Corporation

Defense & Electronic Systems

72-34, Horikawa-cho, Saiwai-ku Kawasaki 212-8585, Japan Tel: +81-44-331-1760

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