

TOKAI RIKA Invests in NU-Rei

– Measure to help commercialize batteries with substantially higher capacity and expand TOKAI RIKA's storage battery business –

TOKAI RIKA CO., LTD. (Head Office: Oguchi-cho, Niwa-gun, Aichi, Japan, President: Hiroyoshi Ninoyu) is actively investing in the creation of the businesses of the future* to expand the scope of its commercial activities. As part of this approach, the company has decided to invest in NU-Rei Co., Ltd. (Head office: Tokai Open Innovation Complex (TOIC) Nagoya Site, Furo-cho, Chikusa-ku, Nagoya, Aichi, Japan, President: Yoshihiro Nakai), a venture business originating from research carried out by Nagoya University, which has developed innovative technology capable of enhancing the performance of lithium-ion batteries (LiBs).

The LiB jointly developed by NU-Rei and the Center for Low-temperature Plasma Sciences at Nagoya University adopts nanographene synthesized using plasma in place of a conventional graphite anode. This material has the potential to at least double the capacity of a conventional battery, opening the way for the development of higher-performance, smaller, lighter, and lower cost LiBs.

Through this investment, TOKAI RIKA and NU-Rei intend to build a strong collaborative relationship with the aim of developing practical LiB mass-production technologies for rockets and other applications. Furthermore, this investment should also help to expand TOKAI RIKA's storage battery business through the incorporation of NU-Rei's high-performance LiB technologies in the storage battery systems currently under development by TOKAI RIKA. By supporting the development of high-performance LiBs and providing storage battery systems using this technology, we hope to contribute to the achievement of a sustainable society.

* Future business creation investment: Investment (20 billion yen) to help achieve TOKAI RIKA's mid-term business plan targets and accelerate our efforts toward future growth.

Outline of NU-Rei Co., Ltd.:

Head office	Tokai Open Innovation Complex (TOIC) Nagoya Site, Furo-cho, Chikusa-ku, Nagoya, Aichi, Japan
Representative	Yoshihiro Nakai, President
Established	March 22, 2013
Details of main businesses	<ul style="list-style-type: none">• The design, manufacture, inspection, and sale of trace material detection instruments and the like using optical technology.• The design, manufacture, inspection, sale, and the like of analytical instruments, semiconductor fabrication equipment, and the like using optical plasma technology, vacuum technology, information technology, and so on.