

July 30, 2021

Impact Investment in RIVERFIELD Inc. - Contributing to Improving Patients' Quality of Life by Lessening Burden on Mind and Body Through Usage of Surgery Support Robots -

The Dai-ichi Life Insurance Company, Limited (the “Company”; President and Representative Director: Seiji Inagaki) has impact invested JPY 500 million in RIVERFIELD Inc. (“RIVERFIELD”; CEO: Kotaro Tadano), a Japanese startup that conducts R&D for and provides surgery support robots and other such medical apparatus. This impact investment is a part of the Company's ESG investments.¹



- A Japanese start-up company from the Tokyo Institute of Technology which develops a pneumatically driven surgery support robot that utilizes original pneumatic control technology
- RIVERFIELD's pneumatic control technology is able to estimate force from variations in pneumatic pressure in an actuator and accurately transmit that to the surgeon, thereby greatly improving transmission speed, precision, and the like, which had conventionally been issues for pneumatically driven robots
- The surgery support robots are equipped with high-performance cameras, hand-shake prevention functionality, and more, enabling benefits such as less loss of blood, lower chances of complications, and a shorter post-surgery recovery period compared to surgery which does not use surgery support robots; thus, the robots are anticipated to contribute to improving patients' quality of life



* Completion image of the surgery support robot

[Social Impact]

Improvement of patient's quality of life

Realizing improvement in patients' quality of life by expanding medical treatment utilizing surgery support robots which enable lessening the burden on patients' body and mind



Through this investment, the Company not only expects a high level of returns, but will provide capital support for the initiatives of RIVERFIELD, which are expected to improve patients' quality of life (social impact). Further, the Company will continuously monitor the progress of these initiatives.

As a responsible institutional investor, the Company will continue to actively engage in ESG investment to realize a sustainable society as well as to improve its investment returns through sophisticated and diverse investment methods.

¹Impact investment is an investment method where Dai-ichi Life makes investment decisions with the intent to gain investment returns and generate social impact (e.g., structural change in society).

RIVERFIELD Inc. CEO Kotaro Tadano made the following remarks:



We were founded in 2014 as a start-up company from the university, and have pushed forward with the development of surgery support robots based on technologies cultivated at the university. For surgery support robots to this point, issues such as the inability to sense force during operations, and high introduction and operational costs have been identified.

By means of the low-cost provision of surgery support robots that enable force adjustments through the use of original drive-control technology using pneumatic force and the wide diffusion of these robots even to hospitals of medium size and smaller, we aim to deliver the benefits of robotic surgery to a greater number of patients. On this occasion, it is very reassuring to receive support from Dai-ichi Life, which has made many ESG investments to this point. Moving forward, we hope to utilize remote-controlled technologies.

[RIVERFIELD Company Outline]

Trade Name	RIVERFIELD Inc.
Head Office	Yotsuya Medical Bldg. 5th floor, 20 Samon-cho, Shinjuku-ku, Tokyo
Representative	Kotaro Tadano, CEO
Established	May 2014
Business Description	R&D for and sales of surgery support robots and other such medical apparatus

Dai-ichi Life's Impact Investment History

Headline	Release Date	URL
Dai-ichi Life to Engage in Impact Investment - First Impact Investment in Gojo & Company, Inc. which provides support for micro-finance business -	Oct. 23, 2017	https://www.dai-ichi-life.co.jp/english/news_release/2017/pdf/index_012.pdf
Dai-ichi Life to Invest in Spiber Inc. - Second Impact Investment through Support for Development of New-Generation BioMaterials -	Oct. 23, 2017	https://www.dai-ichi-life.co.jp/company/news/pdf/2017_044.pdf
Dai-ichi Life to Investment in CureApp, Inc. - Third Impact Investment through Support for Treatment Applications -	Feb. 26, 2018	https://www.dai-ichi-life.co.jp/english/news_release/2017/pdf/index_018.pdf
Dai-ichi Life to Impact Invest in CROWD CREDIT, Inc. - Energize Business Activities in Developing Countries to Alleviate the Global SupplyDemand Gap for Funds -	Apr. 5, 2018	https://www.dai-ichi-life.co.jp/company/news/pdf/2018_002.pdf
Dai-ichi Life to Impact Invest in SUSMED, Inc. - Promote the Widespread Adoption of Non-Drug Therapies through Insomnia Therapy Apps -	June 4, 2018	https://www.dai-ichi-life.co.jp/company/news/pdf/2018_008.pdf
Dai-ichi Life to Impact Investment in MELTIN MMI - Mitigating Accidents Caused by Work in Hazardous Environments by MELTIN's Avatar Robots -	Oct. 17, 2018	https://www.dai-ichi-life.co.jp/english/news_release/2018/pdf/index_004.pdf
Dai-ichi Life to Impact Investment in MOLCURE Inc. - Shortening of pharmaceutical development through the world's first antibody discovery platform utilizing AI -	Nov. 27, 2018	https://www.dai-ichi-life.co.jp/english/news_release/2018/pdf/index_007.pdf
Dai-ichi Life to Impact Invest in QD Laser - World's First Eyewear that Employs State-of-the-Art Laser Technology Improves Quality of Life for Low-Vision Patients -	Dec. 12, 2018	https://www.dai-ichi-life.co.jp/english/news_release/2018/pdf/index_010.pdf

Dai-ichi Life to Impact Invest in Challenergy Inc. - Helping to reduce CO ₂ emissions using the world's first wind turbine capable of generating electricity even in typhoons -	Feb. 28, 2019	https://www.dai-ichi-life.co.jp/english/news_release/2018/pdf/index_012.pdf
Dai-ichi Life to Impact Invest in Venture Fund managed by Energy & Environment Investment, Inc. - Japan's Only Independent Venture Capital Focused on the Energy and Resource Related Sectors -	Mar. 20, 2019	https://www.dai-ichi-life.co.jp/english/news_release/2018/pdf/index_015.pdf
Impact Investment in CureApp and NeuroTrack - Extending healthy life expectancy and improve quality of life through synergies between investments and life insurance -	July 5, 2019	https://www.dai-ichi-life.co.jp/english/news_release/2019/pdf/index_008.pdf
Dai-ichi Life to Impact Invest in Integral Geometry Science - Contributing to a reduction in breast cancer deaths through the world's first high precision breast cancer visualizing system -	Sep. 13, 2019	https://www.dai-ichi-life.co.jp/english/news_release/2019/pdf/index_015.pdf
Dai-ichi Life to Impact Invest in UniFa - Contributing to Resolving the Lengthy Daycare Waiting List Problem Caused by a Shortage of Nursery Care Workers by Introducing IoT and AI to Daycare Operations -	Sep. 27, 2019	https://www.dai-ichi-life.co.jp/english/news_release/2019/pdf/index_014.pdf
Dai-ichi Life to Impact Invest in Life is Tech, Inc. - Contributing to Solving the IT Talent Shortage with IT and Programming Education Services -	Nov. 15, 2019	https://www.dai-ichi-life.co.jp/english/news_release/2019/pdf/index_018.pdf
Dai-ichi Life to Impact Invest in World's First Anti-Smoking Social Impact Bond - Support Social Impact Creator and Investment Recipient CureApp, through Investment in Anti-Smoking Project -	Nov. 29, 2019	https://www.dai-ichi-life.co.jp/english/news_release/2019/pdf/index_021.pdf
Dai-ichi Life to Impact Invest in Modulus Discovery, Inc. - Contributing to Realizing Accessible Healthcare for All by Cutting Development Timelines and Costs of Pharmaceuticals -	May 13, 2020	https://www.dai-ichi-life.co.jp/english/news_release/2020/pdf/index_003.pdf
Impact Investment in Metcela Inc. - Contributing to Extending Healthy Life Expectancy of Patients with Heart Failure through the Development and Provision of a New Treatment -	Jan. 4, 2021	https://www.dai-ichi-life.co.jp/english/news_release/2020/pdf/index_017.pdf
Impact Investment in Sharing Energy Co., Ltd. - Contributing to CO ₂ emission reduction through distributed renewable energy power generation for residential solar power -	Feb. 15, 2021	https://www.dai-ichi-life.co.jp/english/news_release/2020/pdf/index_021.pdf
Impact Investment in GITAI Japan - Contributing to Economic Growth through Promotion of Space Development by Means of R&D for Space Worker Robots -	Mar. 1, 2021	https://www.dai-ichi-life.co.jp/english/news_release/2020/pdf/index_024.pdf
Impact Investment in Noile-Immune Biotech, Inc. - Extending Healthy Life Expectancy through Development and Provision of Next-Generation Cancer Immunotherapy -	Mar. 22, 2021	https://www.dai-ichi-life.co.jp/english/news_release/2020/pdf/index_028.pdf
Investment in Climate Infrastructure Fund for Emerging Countries - Contributing to Resolving Climate Change Challenges Through Joint Public/Private Support for Development of a Low Carbon Economy -	Jul. 8, 2021	https://www.dai-ichi-life.co.jp/english/news_release/2021/pdf/index_003.pdf