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For General Release

Information Services International-Dentsu, Ltd.

ISiD Converts Industrial Robot Failure Prediction Algorithm to a Micro Service Making the Service Freely Available on a Site for Developers of GE's "Predix" IoT Platform

Information Services International-Dentsu, Ltd. ("ISiD" Head office: Minato-ku, Tokyo; President and CEO: Setsuo Kamai) has converted the failure prediction analysis algorithm for industrial robots owned by Predictronics Corp., an affiliated company, to a micro service and begun making it available free of charge to developers of Predix, an IoT platform provided by the General Electric Company (GE). This is the first time in the world a company outside the GE Group has made an analysis service available for operation on Predix.

Developing failure prediction analysis algorithms that are suited to a company's own products and equipment, as well as being compatible with the company's systems, requires data scientists who have sophisticated expertise. Whereas large companies have specialized organizational structures and cultivate personnel, it is difficult for small and medium-sized companies to handle such tasks on their own. As a result, demand is growing rapidly, and sourcing human resources externally is problematic.

Given this situation, ISiD has converted to a micro service Predictronics' failure prediction analysis algorithm, which works with mainstream industrial robots with up to six-axis configurations. Using this service, companies can easily configure analysis systems that incorporate the highly precise algorithm, even without employing data scientists. By encouraging its use by small and medium-sized companies that have not yet made the move to incorporate failure prediction technologies, as well as expected introductions by large companies on a trial basis, we aim to expand the market for failure prediction solutions.

We expect to provide this service free of charge through mid-May 2018. After that point, we plan to offer the micro service for equipment other than industrial robots, as well as on diverse platforms.

- Available on: Predix Developer Network
- URL: <https://www.predix.io/catalog/analytics>
- Service name: Robot Arm Anomaly Detection on Predix
- Fee: Free of charge (charges for using Predix apply)
- Period of availability: Through mid-May 2018 (scheduled)

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