

Promoting "Smart Factory x Local 5G" solutions with Korean company

FutureMain

Joint exhibit at "Smart Factory EXPO 2024" to promote manufacturing DX in Japan

ADOC International Co., Ltd. (headquarters: Tachikawa City, Tokyo, CEO: Joji Kobayashi / hereinafter referred to as ADOC), which has carried out ICT engineering projects such as building telecommunications infrastructure, has signed an MOU (Memorandum of Understanding) with FutureMain Co., Ltd. (headquarters: Suwon-si, Gyeonggi-do, CEO: Sunhwi Lee / hereinafter referred to as FutureMain), which has provided engineering and technical consulting in the field of smart factory. Going forward, both companies will aim to integrate local 5G and FutureMain's AI predictive equipment maintenance system, promoting "Smart Factory x Local 5G" solutions to accelerate DX manufacturing in Japan.

As part of the agreement, both companies will jointly exhibit FutureMain's products and solutions, which are proud of its advanced technology in the field of corporate equipment maintenance, aiming to appeal to the Japanese market at "Smart Factory EXPO 2024" under the theme of "Manufacturing Innovation through IoT/AI/FA" held at Tokyo Big Sight for three days from today (January 24-26).



Purposes and background of the MOU

In recent years, there has been a focus on smart factory, where factory equipment data and work conditions are collected using IoT technology, analyzed and then utilized to create new values. Also, smart factory is expected to become a use case for "local 5G", where local governments and companies can build their own 5G networks within their offices and premises in response to regional

and industrial requirements. Local 5G is characterized by ultra-high-speed, ultra-low-latency, and massive simultaneous connections which can be used in smart factory to build factory networks more flexibly and efficiently than before.

With this background, ADOC was considering local 5G construction in industrial fields such as agriculture, manufacturing, and tourism as a next business, based on its strength in infrastructure construction and technical support for major telecommunication carriers including the field of 5G. Through global collaboration, we were researching local 5G core network technology and terminal devices, as well as solutions that are competitive and compatible with local 5G. Meanwhile, FutureMain was entering the global market with its experience in developing and rolling out advanced smart factory solutions, and was looking for a partnership with a local company with technical capabilities and achievements. As a result, the willingness of both companies has led to the agreement.

Comments from Sunhwi Lee, FutureMain CEO

"We understand the growing interest and importance of smart factory in the Japanese manufacturing industry. Then, we have decided to jointly exhibit at this year's Smart Factory EXPO with ADOC, with its high technical capabilities in the field of telecommunication infrastructure, which requires expertise to promote DX. We expect that this will be an opportunity to effectively promote our product services, introducing our predictive maintenance solutions for equipment management, which is a core technology to build smart factory, to Japanese customers."

Comments from Joji Kobayashi, ADOC CEO

"In recent years, it is said that more than half of the equipment owned by Japanese manufacturing companies has been in use for more than 50 years and is seriously aging. To resolve this issue, there is growing interest in DX and smart factory. FutureMain is a leading company in the Korean market for smart factory. With the agreement, ADOC will accelerate the transformation into smart factory by spreading and utilizing local 5G, and will actively promote the realization of manufacturing DX in Japan together with FutureMain."

Outline of the exhibit at "Smart Factory EXPO 2024"

"Smart Factory EXPO" is an exhibit where IoT solutions for smart factory and smart logistics are all showcased. At the FutureMain booth, we will present, exhibit, and demonstrate "ExRBM", optimal equipment management/predictive maintenance solution, and "ExRBM Portable+", portable equipment data measurement/diagnosis device.

■ Outline of the exhibit

Title: The 8th Smart Factory EXPO 2024 - Manufacturing Innovation through IoT/AI/FA

Dates: January 24(Wed)-26(Fri), 2024

Venue: Tokyo Big Sight, West Hall 2, W63-28

Organizer/Website: RX Japan Ltd. / <https://www.fiweek.jp/tokyo/ja-jp/about/sfe.html>

■ About "ExRBM", AI-based predictive maintenance solution

When abnormalities or defects are detected through real-time monitoring of equipment conditions via sensors, AI algorithms analyze the precise frequency of equipment data, diagnose the defects, and send notifications. It is a predictive maintenance solution that can prevent sudden breakdowns by sending notifications about root causes and results of countermeasures to maintain optimal equipment conditions.



< ExRBM control panel, ExRBM Portable+ measurement/diagnosis device (right) >

About FutureMain

FutureMain headquartered in Suwon-si, Gyeonggi-do in Korea is an engineering and technical consulting company that creates customers' futures through advanced technical capabilities and equipment diagnosis/assessment technologies. Since its founding, in the field of equipment maintenance, it has provided top-quality technical services and unique solutions to more than 30 clients such as power plants, chemical plants, rechargeable batteries, shipbuilding, pharmaceuticals, paper, cosmetics, food, and automotive parts, leveraging the know-how and expertise accumulated over the past 37 years. In order to optimize corporate equipment management, it provides "ExRBM", AI-based predictive maintenance solution that can automatically detect and predict faults by specifying a type of faults. FutureMain helps realize ESG management through building genuine smart factory.

■ Homepage URL: <https://futuremain.com/>



About ADOC International

ADOC International Co., Ltd. has carried out ICT engineering projects domestically and internationally such as building telecommunications infrastructure and technical support for major mobile carriers since its founding, and currently we are working mainly in the field of 5G. As well as solutions related to the integrated management of cloud environments, network orchestration, big data, and RPA, in recent years, we have focused on software quality verification under new development environments such as agile development and DevOps. As a domestic distributor of "Eggplant", which has a high reputation domestically and internationally as an AI test automation tool, we have provided advanced testing services which consistently cover design, execution, and operation of automation.

■ Homepage URL: <https://www.adoc.co.jp/>

■ Test automation site "Teslab" URL: <https://www.adoc-teslab.com/>

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