

Circuit Design: Japan's finest wireless technology providers

Since its foundation in 1974, Japan's Circuit Design has been supporting the development of wireless technologies both in Japan and abroad.



Company building

Building on its founders' love of amateur radio, Circuit Design achieved its breakthrough in the late 1980s when the Japanese Ministry of Transportation approved the use of its remote engine starters in cold prefectures such as Hokkaido. At that time, as company president Yukinaga Koike attests, engine starters "accounted for around 80% of the company's overall turnover."

With the automotive industry in transition, however, the company has shifted its focus to industrial wireless modules, having introduced its wireless systems to the German market in 1992.

"The use of Circuit Design's radio solutions ensures the reliability and success of our customers' products."

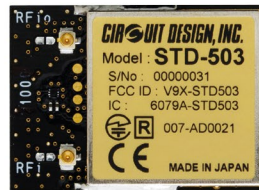
Yukinaga Koike,
President,
Circuit Design, Inc.



Though the industry remains a highly competitive sector in which to operate, Circuit Design has been able to carve its own niche when it comes to wireless industrial solutions, offering high-quality products which distinguish it from competitors.

Looking to the future, the company has been developing Radio Frequency Integrated Circuits (RF-ICs) that integrate low-power wireless module technology, an innovation that will be shared with customers in 2023.

Though international expansion is problematic and



2.4 GHz radio module



Radio modem

Engine starter

contingent on existing infrastructure, Mr. Koike is keen to emphasize that Circuit Design is open to collaborating with foreign companies: "If a market is ready and has its own regulation bills passed, then we are ready to target it."

In Japan, meanwhile, plans are afoot to expand the use of low-power wide-area (LPWA) devices for infrastructural monitoring, with an "Animal Map" system originally developed for wild animal tracking that can be installed in mountainous areas and used to monitor water levels in surrounding lakes and rivers.

CIRCUIT DESIGN, INC.

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