NEWS RELEASE

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AIDA ENGINEERING, LTD.
Toshihiko Suzuki
Representative Director and President

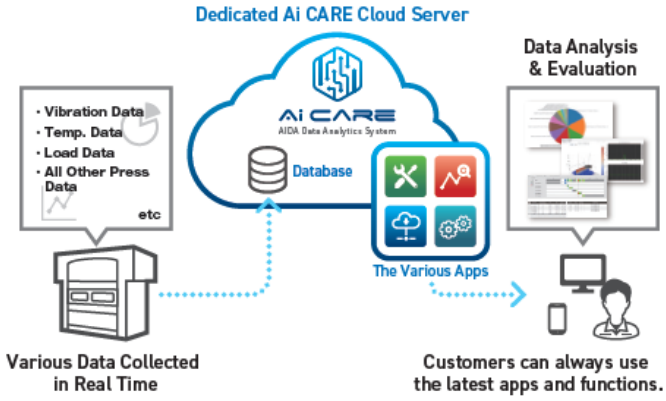
Launch of the AIDA "AiCARE Edge" Data Analytics System

AIDA ENGINEERING, LTD. (Representative Director and President: Toshihiko Suzuki; hereafter referred to as 'AIDA') will be launching its new "AIDA AiCARE Edge Data Analytics System," which is an Edge computing system that will join its popular "AIDA AiCARE Data Analytics System" DX-based support system.

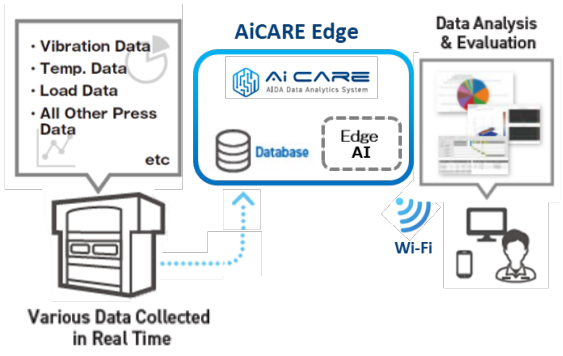
■ System Overview

The "AIDA AiCARE Edge Data Analytics System" is an Edge computing system that processes and analyzes collected data within the AiCARE Edge environment without sending it to the cloud. Since there is no need to connect to a cloud server, its advantages include improved real-time performance, enhanced security, and reduced network loads.
With concerns about power shortages due to the spread of IoT and AI, the use of Edge computers can reduce data communication volumes, making this an eco-friendly system that also helps reduce the burden on the environment.

■ Differences Compared to the Cloud-Based System



[AiCARE]



[AiCARE Edge]

■ Product Features

1) Can be used without externally transmitting any factory data. (Some functions are limited.)
2) Because calculations are performed inside the Edge computer, the system delivers excellent real-time performance and fast response times.
3) It is also advantageous in terms of security measures, as it can be used without connecting to a cloud server.
4) The real-time load measurement feature leverages Edge functionality to enable users to view load waveforms while the press is running.
5) Users can use Wi-Fi to connect via computers, tablets, and smartphones to view measurement data visualizations and diagnostic information.
6) Users can utilize Edge AI to view the die life monitoring function and the predictive failure detection function. (AIDA is planning to develop this.)

■ List of Ai CARE Functions

	Function	Functionality Overview *1	AiCARE (Cloud Version)	AiCARE Edge (Edge Version)
Basic Operations	Load Display	Graphically displays all types of load data	○	○
	Load Measurements	Measures the load waveforms in real-time during press operation	×	○
	Fault History	Displays press and peripheral equipment fault histories	○	○
	Fault Statistics	Displays statistical graphs by fault type and by product	○	○
	Operation Status	Displays daily operational information	○	○
	Chronological Data	All of the machine data is graphically displayed in chronological order	○	○
	Parts Maintenance	Displays the service life and the inspection timing for each part	○	×
Analysis Information	Load Monitor	Calculates and monitors off-center loads (Allowable Off-Center Load Chart)	△*2	△*2
	Die Life Monitor	Analyzes die-related data and continuously monitors die conditions	○	Plan to develop
	AI Predictive Failure Detection (Health Monitor)	Detects tiny anomalies and signs of failure based on a normal operation model	○	Plan to develop
	Lubricating Oil Monitor	Monitors temperature and pressure to detect lubricating oil issues	Option	Option
	Generative AI Agent (AiCARE Chat)	Generative AI answers questions based on AIDA's accumulated know-how	○	×

*1: The amount of data and the functions may be more limited than AiCARE (Cloud version).

*2: Depending on the number of load sensor channels, it may not be possible to utilize the load monitoring function.

■ Product & Sales Overview

Product Launch: October 2025

Product Name: AiCARE Edge

Please contact AIDA for more information.

※As there are regions where this cannot be used as well as other limitations, please consult with AIDA.

< Inquiries Relating to This Subject >

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Please note that this information is subject to change without notice.