

Smart Fuel Consumption Reduction System

READIX



READI
Robust Machine

Robotics

Energy Conversion & Electronics

Automation

Diagnostics

⋮

Intelligent solution



1. About READiX

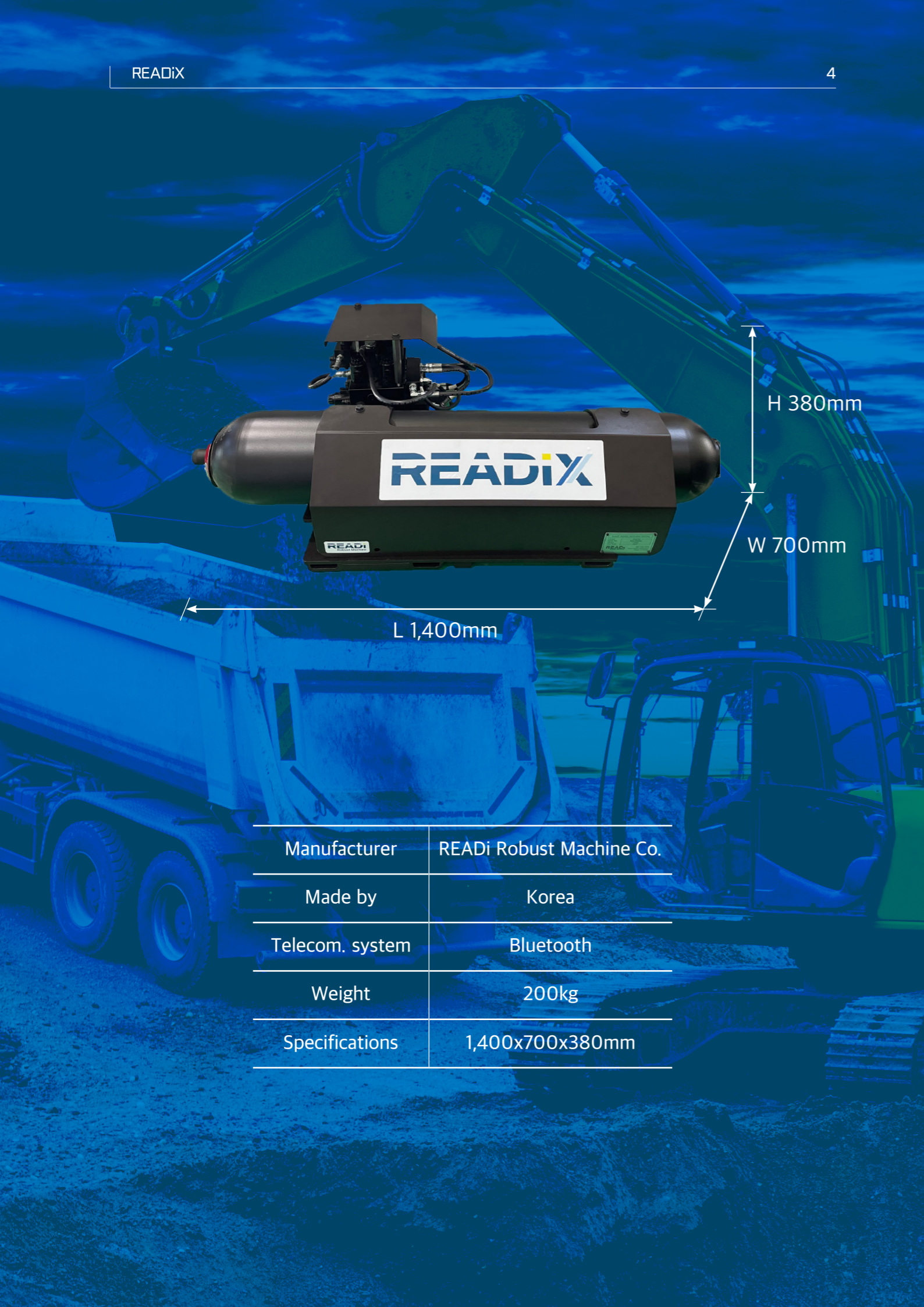
2. READiX MODE

- Power Mode
- Eco Mode

3. Mobile Application
Linkage

4. READiX Install

- Compatible Model
- One Day Install



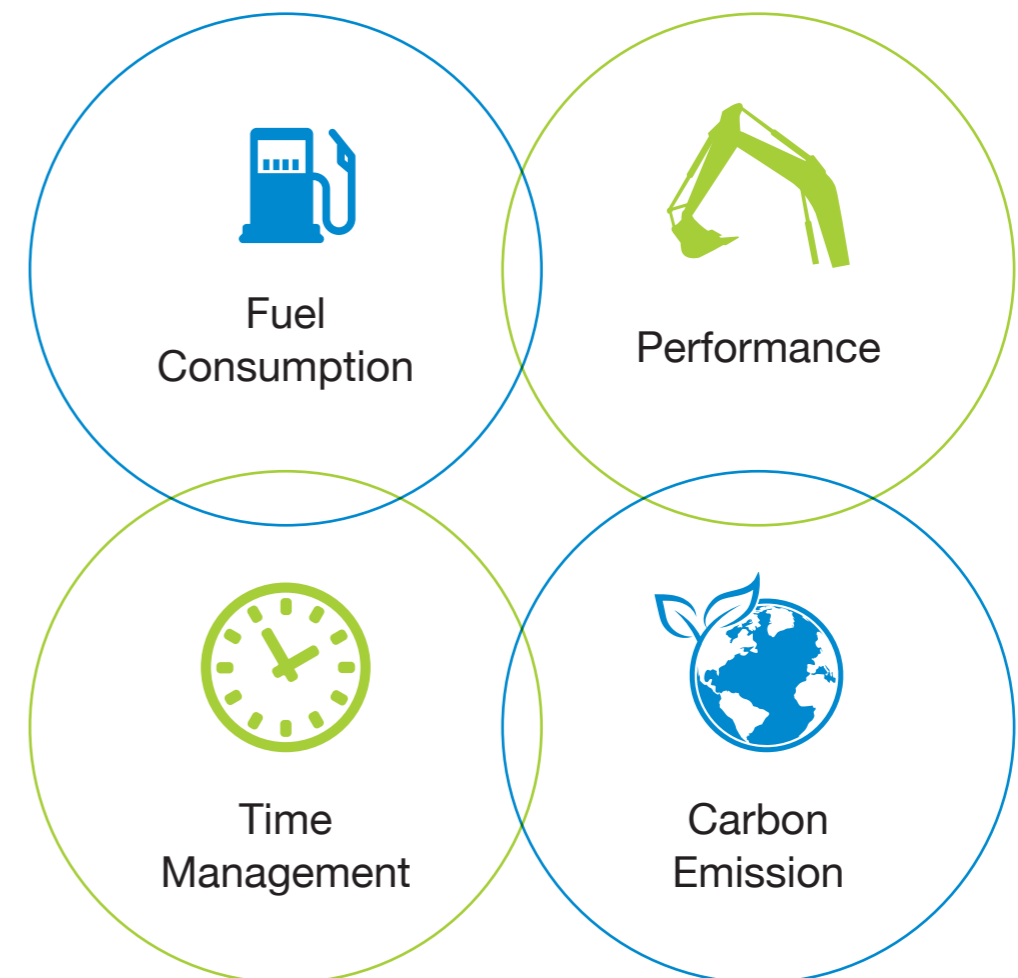
Manufacturer	READi Robust Machine Co.
Made by	Korea
Telecom. system	Bluetooth
Weight	200kg
Specifications	1,400x700x380mm

About READiX

READiX is a product that recovers the boom energy, which is mainly discarded through the operation of the excavator and reuses it as a power source, therefore, reducing the fuel cost of the excavator by approximately 20-30% per year. In addition, the carbon emissions can be reduced equally.

By listening to the customers to improve our products, we develop products optimized for each equipment one step ahead. To provide improved performance, we have tested in various workplaces to maximize fuel efficiency.

The READiX not only increases the fuel efficiency of the equipment, but also enables greater power to operate, enabling faster and more accurate work.



READiX MODE

Existing excavators use the engine power to lower the boom. In addition, they discard the large hydraulic energy generated when the boom down into the hydraulic tank. Our Smart Energy Recovery System READiX resolves these two improvements to maximize energy efficiency.

POWER MODE

ECO MODE

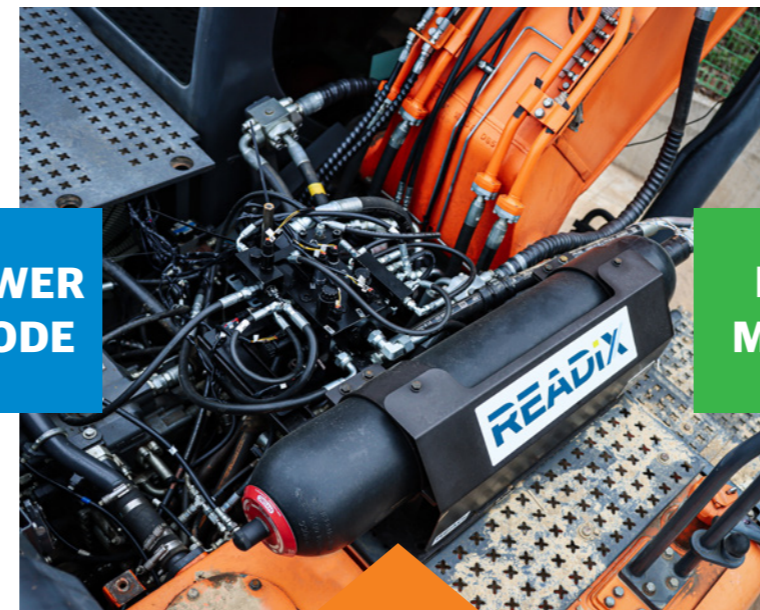
Stronger and Faster
MAX 30% UP

Reuse to
Boom up



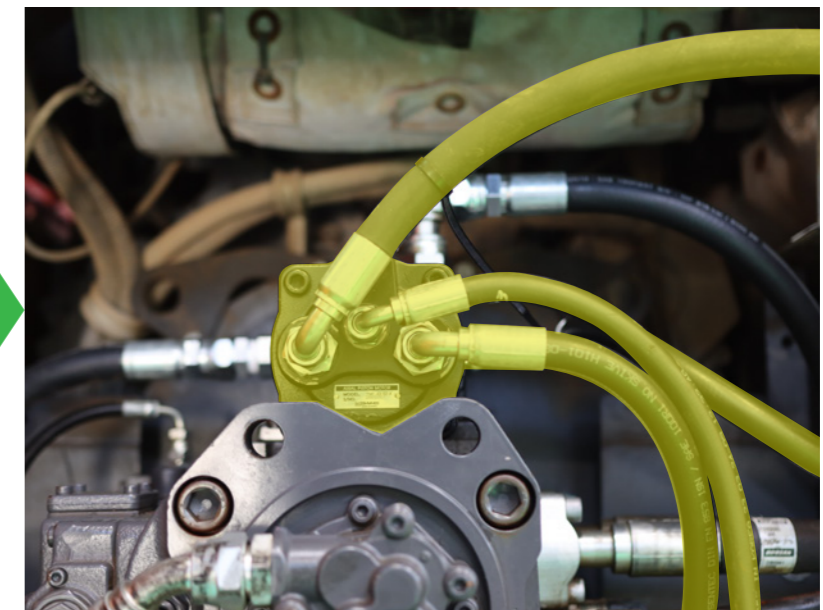
POWER
MODE

ECO
MODE



Maximizing
Fuel consumption
Efficiency
MAX 30% UP

Reuse to an assist
motor for engine



Better Performance

- During the boom-down operation, energy to be thrown into the hydraulic tank is recovered, and the stored energy is joined in the boom-up operation to assist stronger and faster operation
- During the boom-down operation, the boom is lowered by gravity to reduce the engine load, thereby improving fuel efficiency.

How We Reuse The Energy

Hydraulic energy generation while excavator boom down operation

- ➔ Full energy recovery to accumulator
- ➔ Reuse recovered energy to assist with boom-up motion

Save Energy to
Accumulator



Better Performance

- During boom-down operation, energy to be thrown into the hydraulic tank is recovered and a motor that can assist the engine is operated to reduce engine load and maximize fuel efficiency.
- During the boom-down operation, the boom is lowered by gravity to reduce the engine load, thereby improving fuel efficiency.

How We Reuse The Energy

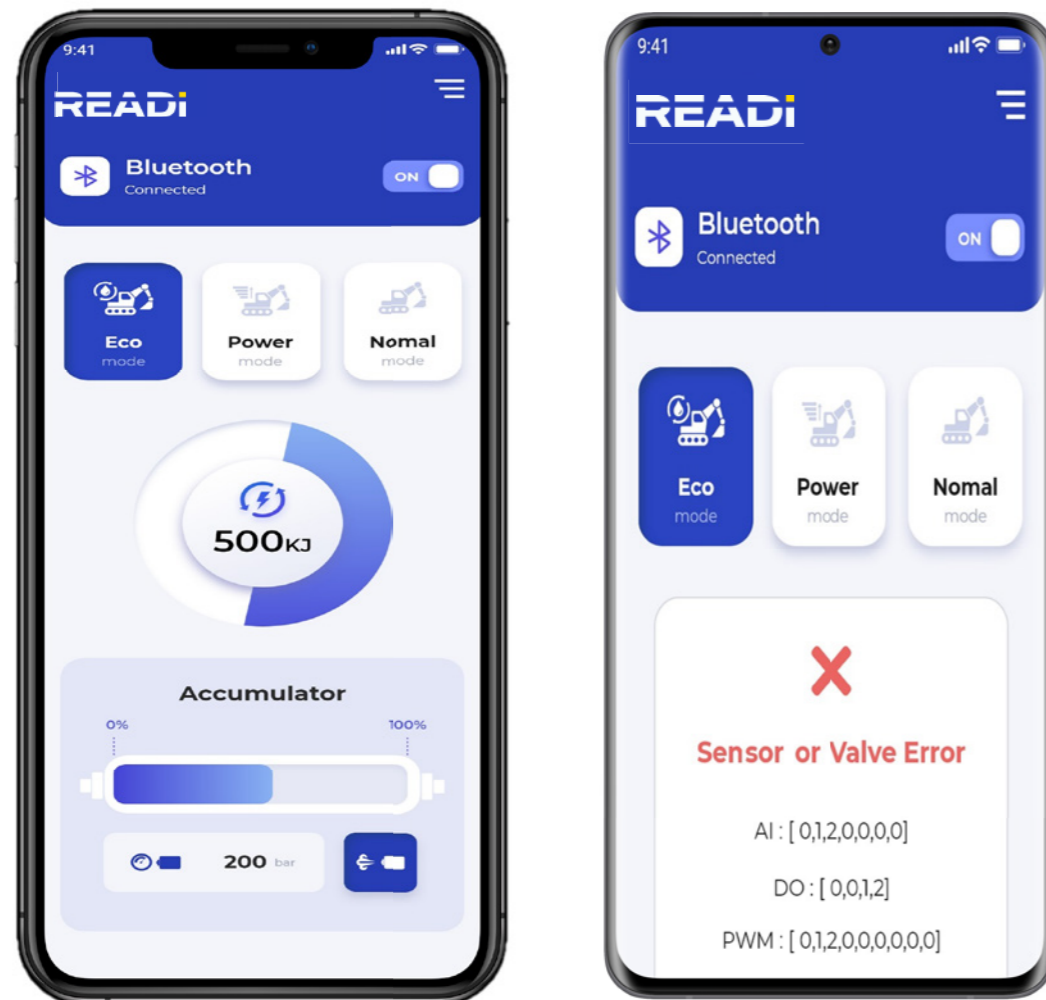
Hydraulic energy generation while excavator boom down operation

- ➔ Full energy recovery to accumulator
- ➔ Reuse recovered energy to assist engine power

Mobile Application Linkage



READiX supports IoT technology and can be operated through Bluetooth connection. Power, Eco, and Normal modes of the equipment can be altered remotely. In addition, the accumulated amount of energy of the equipment is displayed in the smartphone application, so that you may check the amount of energy saved. The real time status of the accumulator is also displayed to determine the amount of hydraulic pressure accumulated. In the event of valve or sensor issue, diagnostics information is provided to check for equipment errors. Finally, you can transfer location and diagnostics information of your equipment from your mobile device to your cloud server to locate it as well as receive the amount of energy you saved for a certain period of time.



For the Future of Earth

READi system is ECO friendly system.
Our product can be reducing the carbon
emission of excavator.



READi
Robust Machine

READiX Install

Compatible Model

READiX is compatible with the latest model excavators from any major brands, available to switch POWER, ECO, NORMAL modes in the mobile application.

One Day Installation

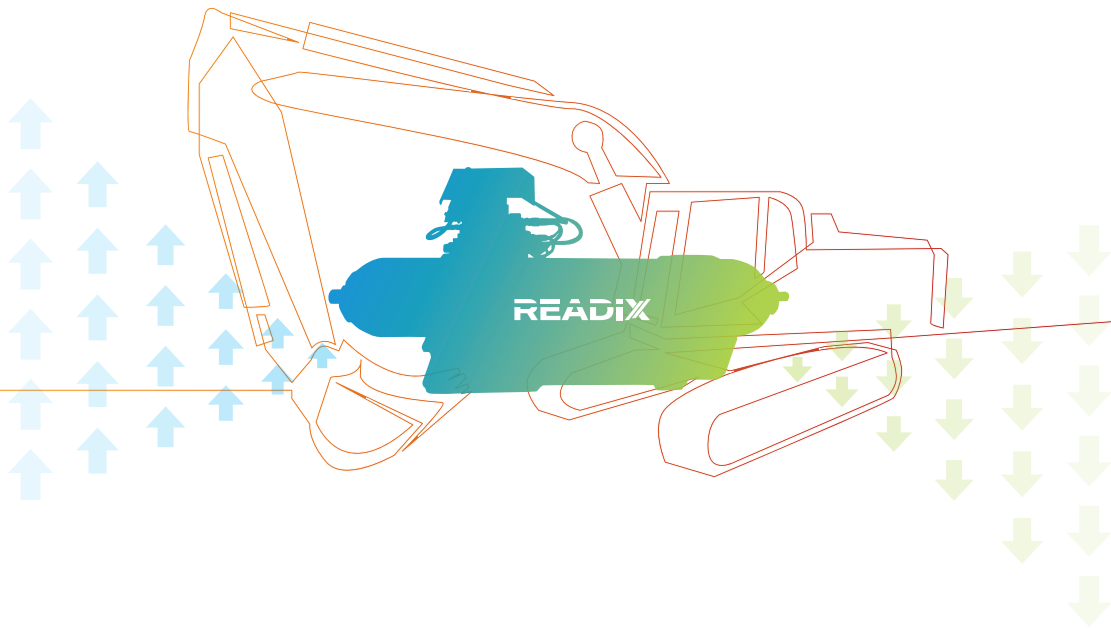
The READiX can be installed anytime everywhere. After the installation inquiry, professional engineers visit and install in just a few hours.



READiX can be installed in one day.

Installation Inquiry: 055-343-7774

www.readi.co.kr



READi Robust Machine
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