

Summary of “SDGs Contribution Solutions”

We develop and deliver solutions combining hardware with software, which include cutting-edge technologies such as palm vein authentication, UHF RFID tags (linen tags) and beacon sensors. These solutions meet a variety of needs and expectations from customer in the markets like finance, retail, public facilities, health care, logistics and mobility as well as support various scenes in society including financial institutions, health care facilities and shopping centers.

“SDGs Contribution Solutions” that we develop, are in order to contribute not only to solving the environmental issues like climate change focused by SDGs, but to sustainable development of society and economy. We have established the scheme by making rules including the criterion of the solutions in our original guideline, and we push forward with this activity now.

* “SDGs Contribution Solution” is not our trademark or the like, but a phrase to communicate to stakeholders, the meaning of “Solution which can contribute to achieving SDGs”.

Results of “SDGs Contribution Solutions” in FY2019

We could develop and release totally 9 solutions in actual, as the matrix below:

[“SDGs Contribution Solutions” in FY2019]

#	Name of Solutions	Environmental improvement rate*
1	Integrated Filing System “Response to Incorrect Sheets” for financial institutions	-51.2%
2	Update of Vote System for public racing facilities	-43.9%
3	Keyword Capture® Account Transfer Package for financial institutions	-46.1%
4	RFID Inventory Management System	-19.9%
5	Reduction of DVDs to Boot by Clone Tool HDD	-62.8%
6	“Continuous Transaction in Time of IC Card Error” System for financial institutions	-51.0%
7	“Concentrated Center Journal on Cloud Platform” System for financial institutions	-69.1%
8	Recovery of Passbook MS for financial institutions	-94.6%
9	Recovery of Card MS for financial institutions	-97.9%

* “Environmental improvement rate” indicates the “reduced rate” after the introduction of solutions versus before it, that is, the comparison with “before-and-after” related to CO₂ emissions derived from travel, logistics, working time, electricity consumption of equipment and so on.

Case Study of “SDGs Contribution Solutions”

RFID Inventory Management System

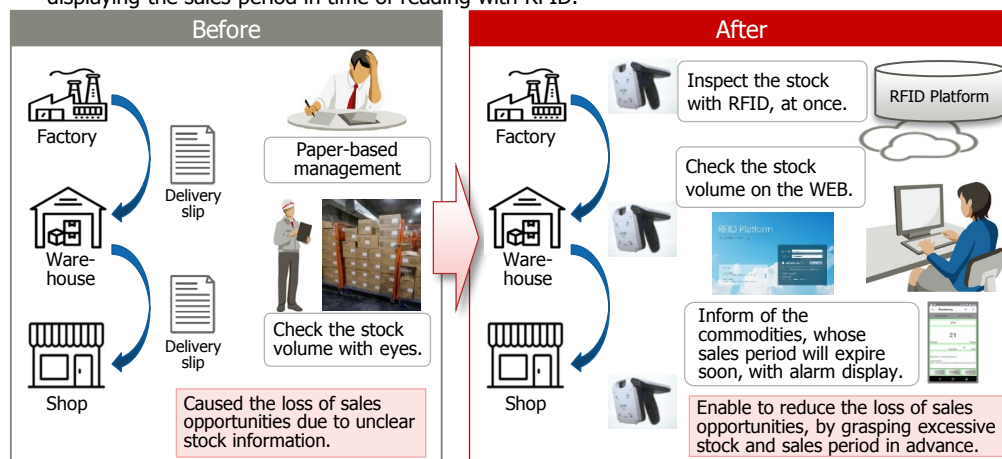
- System summary

This system enables customer to reduce the loss of sales opportunities and to improve work efficiency, by checking if the stock is adequate. For instance, this system can solve the issue, that many commodities had to be disposed due to excessive stock as a result that a factory side without information on stock volume in warehouse had produced a volume of commodities following the direction from HQs, because this system makes it possible to track the status of stock between factory, warehouse and shop as well as to visualize the stock volume and sales period.

This function helps customer to optimize logistics process and to reduce the waste generations as well as the loss of sales opportunities, by operating the factory production and warehouse storage which accord with the stock volume in shops. Furthermore, customer can realize the work efficiency related to the commodity inspection and stocktaking, by changing the way from individual inspection with barcode to batch inspection with RFID.

- Before-and-after of system introduction

- (1) Customer can reduce excessive stock, because this system enables customer to share present information on what-where-how many with all stakeholders, by reading RFID tags (linen tags) attached with commodities and cartons with the reader in time of inspection and by managing the results on cloud servers at once.
- (2) Customer can also reduce the loss of sales opportunities, because this system enables customer to check in time of stocktaking if there are any commodities whose sales period will expire soon, by displaying the sales period in time of reading with RFID.



Contributable SDGs:



Contributable factors:

- Goal 9: Introducing eco-friendly technology and industrial process.
- Goal 12: Curbing waste generations by reducing excessive stock.
- Goal 13: Curbing CO₂ emissions by shortening working hours.