



NORDIC ID RADEA

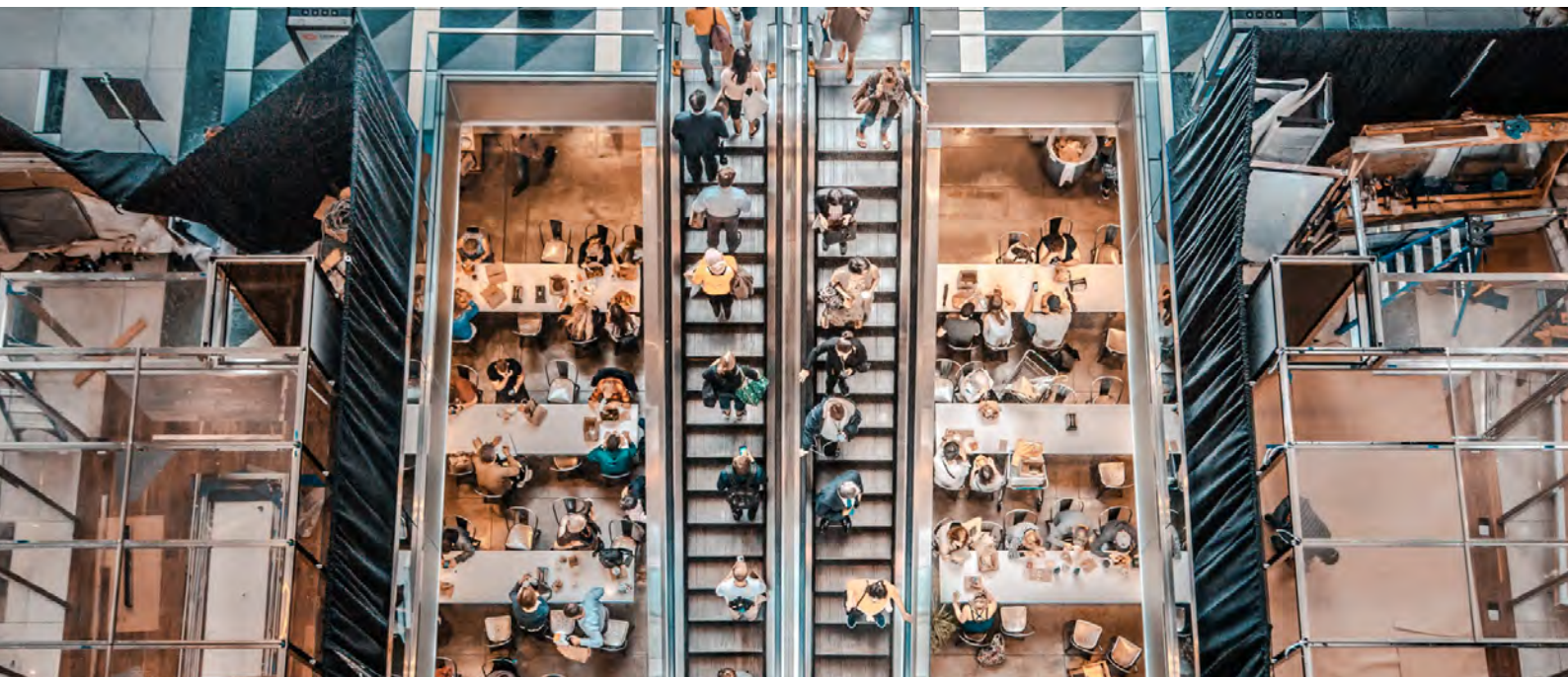
Digitize every asset with Nordic ID's Real-time
Accurate Data for Enterprise Assets

WHITE PAPER

CONTENTS

CONTENTS

1. ABOUT NORDIC ID RADEA
2. THE BENEFITS OF THE RADEA PLATFORM
3. NORDIC ID RADEA ARCHITECTURE
4. NORDIC ID RADEA VALUE PROPOSITIONS
 - 4.1. AVAILABLE MODULES
5. ABOUT NORDIC ID



1. ABOUT NORDIC ID RADEA

Nordic ID Real-time Accurate Data for Enterprise Assets (RADEA)

Nordic ID is a forerunner in RFID technology, and the company has been involved in versatile RFID projects with their partners for several years. This provides Nordic ID with an advantage to monitor the customers and their needs to improve their business with RFID. As a result, the Nordic ID Radea platform was created.

Nordic ID's Real-time Accurate Data for Enterprise Assets (RADEA) platform enables the IoT by providing **unique item level tracking, workflow processing, event management, alerting and powerful analytics** to deliver solutions to a vast amount of industries.

RADEA leverages cloud, RAIN RFID, and Industrial IoT technologies and integrates with the customer's existing business systems to **manage asset life-cycle information, automate enterprise asset management business processes, deliver proactive alert notification, and provide actionable business intelligence.**

2. THE BENEFITS OF THE RADEA RFID PLATFORM

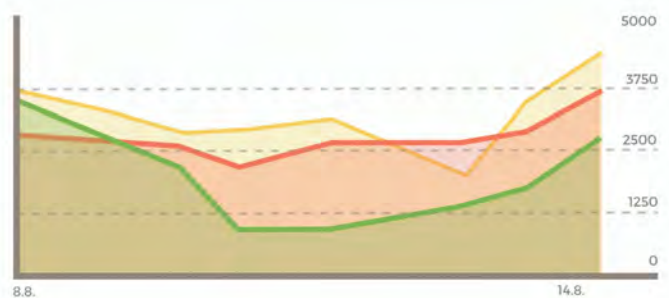
How to leverage RFID for easy and fast data collection

UTILIZATION By items (change in 1 week) and history

In usage
31 232



Item 1	4101	+431
Item 2	3754	+1113
Item 3	3254	-1700
Item 4	3313	+100
Item 5	3265	-321
Item 6	7513	+434
Item 7	4354	-500
Item 8	3465	+4



With Nordic ID Radea we want to offer our customers a solution that helps them to easily get started with RFID and to secure a fast and easy RFID deployment with a quick ROI and no large upfront investment. There's no need for lengthy implementation with complex, custom built software. The purpose-built scalable platform enables companies to roll out and implement full solutions in no time.

LOST ITEMS Change in one weeks

19% less than last week ago



Total	82	-16	▼
Storage	31	+2	▲
In usage	31	-4	▼
Used	10	-10	▼
Laundry	20	-4	▼

The system transforms the information collected through IoT technologies quickly into knowledge and direct business advantages. The current trends of RFID business are Internet of Things, Big Data, and Omni-Channel, which can use RFID data as one of the sources for information. The goal is to provide a solution, which serves each customer with information for their specific needs.

RFID enables fast and easy collection of data with high accuracy and also the collection of new types of data.

Based on our experience we see that the customer demand for RFID has moved in a direction of knowledge instead of traditional item data collection. **Nordic ID Radea enables easy and profound collection and consolidation of information**, and it facilitates the process of turning information into business intelligence.

This is achieved by collecting the RFID data to a central and easily accessible location via cloud setup and then offering it for further analysis purposes. It integrates seamlessly into existing business software (ERP, CRM etc) with REST API.

NORDIC ID RADEA OFFERS REAL-TIME DATA INFORMATION FOR SEVERAL DIFFERENT INDUSTRIES:



RETAIL



**LOGISTICS/
RENTAL**



MANUFACTURE

TOP REASONS TO SELECT RADEA AS YOUR RFID SOLUTION

Digitalize every asset and take control of your flow



Quick and straightforward implementation of RFID technology



Fast and efficient support for your RFID fleet by the Device Management



Central gathering of all RFID data



Modern tools for data consolidation



Easy integration to existing business systems



Compatibility with other than Nordic ID's RFID devices



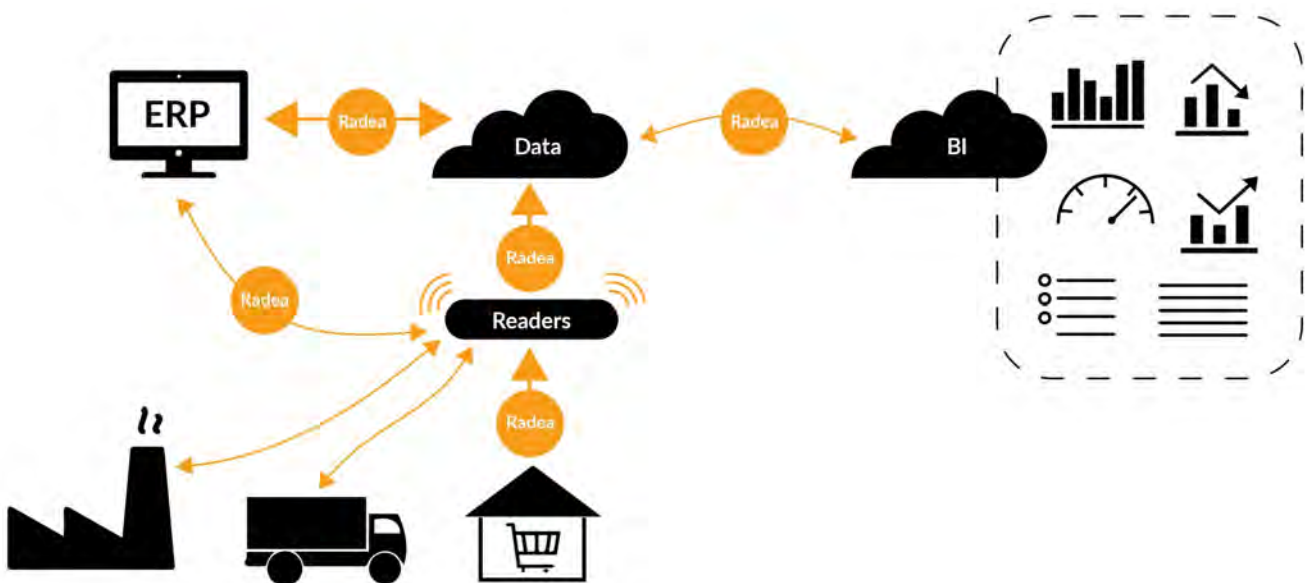
Economical: Select only the modules your business requires



Potential to utilize existing/other technologies for data collection (NFC, Bluetooth, barcode)

3. NORDIC ID RADEA ARCHITECTURE

How to leverage sensor technologies for easy and fast data collection



Nordic ID Radea is designed to serve the requirements to track the whole product life-cycle from production to consumer and during the consumer use of the product. The data created by the product's path through the process can be utilized at various occasions. The high-level system architecture is presented in the picture above.

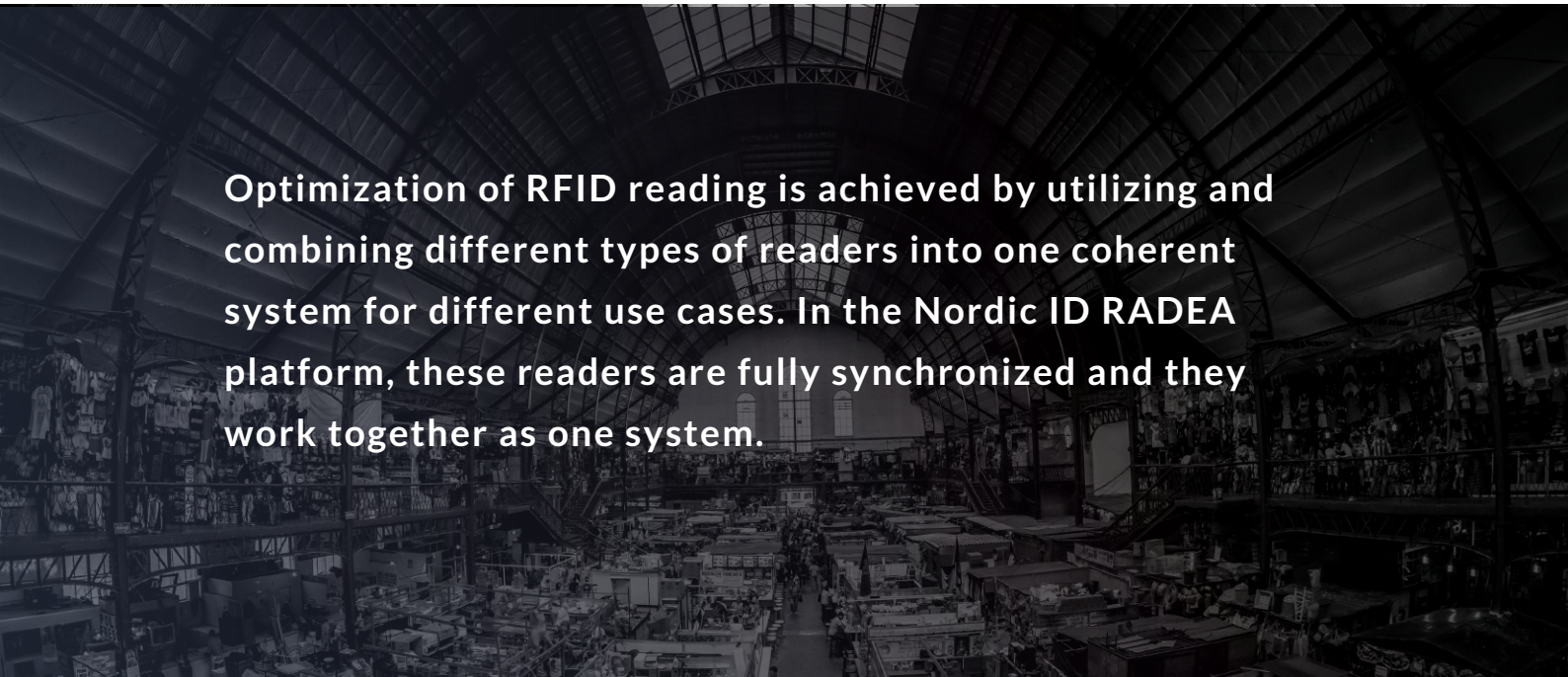
Any device for data collection is compatible with our system regardless of brand or technology; Use barcode, NFC, Bluetooth etc. Information stored in your company's existing software transfers to our platform in real time.

4. NORDIC ID RADEA VALUE PROPOSITIONS

Discover how RADEA can help you

This turn key PaaS (Platform as a Service) solution is perfect for companies struggling with managing their flow and count of items, supporting them to optimize their flow of goods and assets. Our platform brings total transparency to your business processes, so it's great for taking inventory, locating items and all goods in-goods out related tasks. Plug and play modules streamline your item managing needs. It's a One-stop-shop for hardware, software and service.

From the customer point of view, in addition to traditional RAIN RFID tag inventory reading, the system covers multiple other reading functions. Other operations can also be added to the system, for example time stamps, temperature logging, direction movement and humidity sensors. This means that **one system covers several functionalities and solves many efficiency-related issues.**



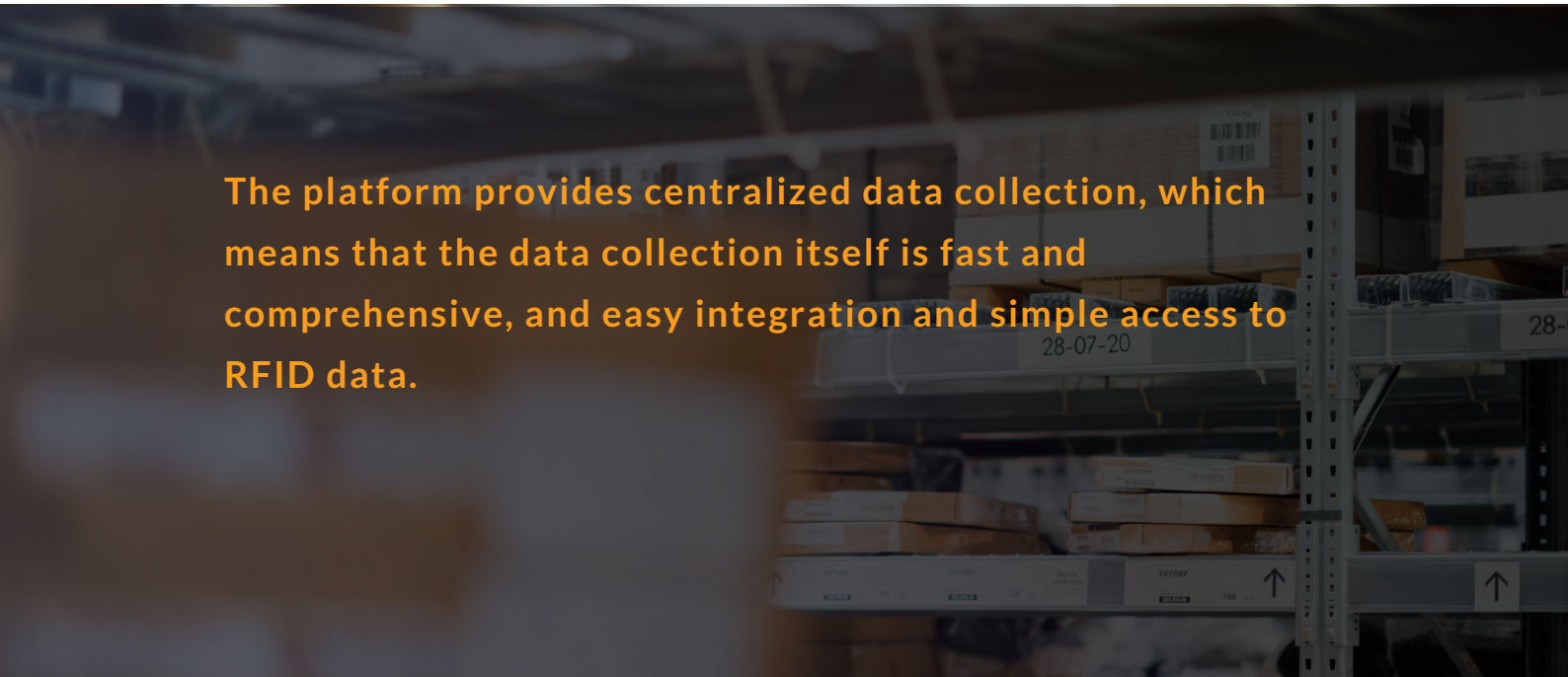
Optimization of RFID reading is achieved by utilizing and combining different types of readers into one coherent system for different use cases. In the Nordic ID RADEA platform, these readers are fully synchronized and they work together as one system.

4. NORDIC ID RADEA VALUE PROPOSITIONS

How to leverage RADEA to increase efficiency

With the help of the Nordic ID RADEA platform, our customers and partners are able to build business intelligence. Relying on our expertise and vast partner network throughout the process, our customers can utilize the centralized RFID and build their own solutions. One of our advantages is that Nordic ID devices have standard application APIs, which enable easy integration.

Therefore, the strongest customer promise for Nordic ID RADEA is to provide a system that helps enterprises in enhancing their operations. This in turn indicates improvement in profitability and additional sales. Nordic ID provides you with an all-in-one RFID solution for business efficiency and customer experience improvement that no one else has ever been able to offer.



The platform provides centralized data collection, which means that the data collection itself is fast and comprehensive, and easy integration and simple access to RFID data.

4.1. AVAILABLE MODULES

Nordic ID Radea main packages and their content



Data consolidation



Inventory functionality configured for different stock keeping units (SKU's) and for different stock locations



Goods-in / Goods-out functionalities to support product receipt and shipping process



Item tracking and location



Product information storing in the Radea database*



Bi-directional REST API standard interface



Track & Trace functionality to provide insight into product locating and its history



Radea Mobile Client (RMC) - Easy, customized smart device app that can be branded to suit your needs



Decision Making Module (DMM) to enable process control functionality



Associate functionality for initialization of the tags

* Initial information stored: Product code (EPC), location, amount, timestamps, reader identification, alarm levels etc. Custom fields can also be added.

5. ABOUT NORDIC ID

Nordic ID is at the centre of today's real-time item tracking and reliable RFID technology. We help organizations fight the damaging effects of item loss, facilitate streamlined business procedures, and stay ahead of the competition. We are ready to help you take advantage of our wide range of products and services designed to fit your needs.

Contact us now, and we will help you to tackle your challenges and take your business to the next level.

Nordic ID
Joensuunkatu 7
24100 Salo
Finland
Phone: +358 2 727 7700
Fax: +358 2 727 7720
Website: www.nordicid.com
E-mail: sales@nordicid.com

Contact us
to learn more

