

RFID & IOT in the Nordics 2024

4 JUNE 2024 AT THE IT UNIVERSITY, COPENHAGEN

CONFERENCE CONTENT:

KEYNOTE
PRESENTATIONS

AIDC
USE CASES

RFID & IOT IN
HEALTHCARE

EXHIBITION
WITH DEMOS

KEYNOTE PRESENTATIONS:



TRINE PLAMBECH
Director of Digital
Sustainability at the
Alexandra Institute

The world is facing huge challenges. Companies who decide to use the synergies between digitalisation and sustainability as a framework for innovation have a unique opportunity to increase their competitiveness and be among those who offer the solutions we need.



CHRISTIAN ØSTERGAARD
Senior Group Strategist,
former Business CIO, Head
of Logistics and Program
Director at PostNord

In this keynote Christian will be unveiling the captivating story of PostNord's IoT journey and the exciting road that lies ahead!

Get ready to delve into the world of innovation and transformation, as Christian shares insights, challenges, and triumphs from dynamic journeys in the realm of IoT.



THOMAS DUPARQUE
Healthcare vertical Lead
in Europe, Middle East and
Africa (EMEA),
Zebra Technologies

Do you wonder how does RFID technology in healthcare improve patient outcomes? Improving the operational efficiencies of the hospital, improving patient experience and safety are some of the major investments nowadays.



Lars Schnell
CTO CIRCUMAR, Norway

Join us to explore how Circumar's new developed circular, recycle pallets and crates can revolutionize sustainable transportation in the seafood industry for contribute to a more sustainable future. Be part of the journey where Lars covers how Circumar leverages advanced technologies (IoT) to optimize resource utilization, reduce waste, and promote sustainability.



RACHAEL ELLIS
Programme Director
at Hull University

72,000 assets, almost 20,000 sterile trays, 69 Buildings and 7.2 miles of cabling...

These are just some of the mind-boggling statistics that Rachael Ellis is going to discuss, as she shares her RFID implementation with you. You will leave with an understanding of the programme scope, the strategic concept and the wish-list of the key stakeholders.

WELCOME:

RFID & IoT in the Nordics 2024 Conference

Since 2010, our annual Conference has established itself as the leading RFID event in the Nordic countries, and over the years we have included more and more AIDC technologies including IoT solutions.

Our aim is still, as it was from the very beginning, to introduce companies – private as well as public – to how they can increase efficiency and competitiveness by implementation of smart wireless identification, automatic data capture, tracking and tracing technologies.

“Impact, quality and efficiency driven by data – because time is of essence!”

Impact, quality, and efficiency - more than buzzwords, they're essential for today's businesses.

Time is of the essence, and Automatic Identification and Data Capture (AIDC) is not just a tool; it's the game-changer steering us toward a future of green social accountability.

This is a chance to transform your business - to meet visionary first mover companies and experts within the fields of RFID, Smart Identification and IoT - and get

hands-on knowledge on how to utilize these technologies in your own products, services and businesses.

Foremost it is a networking opportunity; You will meet key people from companies using AIDC for production, logistics, retail, asset management as well as from AIDC Manufacturers and Solution Providers.

To learn more about current solutions and technologies you have a unique opportunity to explore our Trade show and Exhibition – we are welcoming several new vendors, and you will have a chance to see technologies in action as well!

Welcome to your gateway to an accountable, efficient, and interconnected future!

Hope you will have a great time at the conference!



Henrik B. Granau
Chairman of AIDC Denmark



MISSION

We promote the use of automatic identification and data capture in Denmark.



VISION

We ensure the exchange of experience and the sharing of knowledge within automatic identification and data capture.

AGENDA:

08:30	Arrival, Registration and Coffee	
	Plenum presentations Auditorium 1	
09:00	Welcome and Introduction by AIDC Denmark and IT University	
09:10	<p>Digitainability - when digital solutions leverage sustainable transition by Trine Plambech, Director of Digital Sustainability, Alexandra Institutttet</p> <p>PostNord's IoT journey and the road ahead by Christian Østergaard, Senior Group Strategist of IT-production/IoT/AI at PostNord</p> <p>How do RFID And IoT Improve Healthcare Efficiency In Smart Hospitals by Thomas Duparque, Healthcare vertical Lead in Europe, Middle East and Africa (EMEA), Zebra Technologies</p> <p>Introduction to the Exhibition by AIM Denmark and the Exhibitors</p>	
10:45	Coffee, Exhibition and Networking in Atrium	
11:15	<p>International Technology Update - including highlights from RFID Journal Live 2024 in Las Vegas by Henrik Granau, Chairman of AIDC Denmark</p> <p>A more sustainable solution for smarter way to transport seafood in a circular economy by Lars Schnell, CTO at Circmar, Norway</p> <p>Researching, Finding, Implementing and Delivering RFID by Rachael Ellis, Programme Director at Hull University teaching hospitals NHS trust</p> <p>Introduction to breakout sessions by AIDC Denmark and Co-Organizers</p>	
12:50	Networking and Exhibition in Atrium with lunch sponsored by Granau IT	
Breakout sessions	AIDC use cases Auditorium 1	Healthcare RFID & IoT Auditorium 0
13:50	<p>Advanced automatic data capture within the railway network by Björn Liszka, CEO at Advanced Measurement Technologies AB</p> <p>A sustainable approach to item-level intelligence by Adam Read, Pragmatic Semiconductor Ltd..</p> <p>TUK - a new case with innovative use of RFID by Kasper E. Lyhne, Founder of TUK</p>	<p>Realtime visibility at Henry Ford Health with Apple technologies by Daniel Siegal, NavvSystems (via video link)</p> <p>Choosing BLE for RTLS for a new hospital - considerations before acquisition by Sara Beck Larsen, Project Lead, Region Syddanmark</p> <p>Implementing a sensorservice for environmental measurements in the South-Eastern Norway Regional Health by representatives for Sykehuspartner HF, Norway</p>
14:50	Coffee, Exhibition and Networking in Atrium	
Breakout sessions	AIDC use cases Auditorium 1	Healthcare RFID & IoT Auditorium 0
15:20	<p>Transforming industry with RFID and circular business model by Jarl Engelbrecht Vindnæs, Founder of STYKKA</p> <p>Autonomous self service stores through RFID solutions by Heikki Haavisto on behalf of ProMart and Turck Vilant</p> <p>How asset tracking accelerated vehicle maintenance for the German armed forces by Philipp Stelzer, CSO, Co-Founder FORMATION GmbH</p>	<p>Adding the condition to the What/Where/When registrations with EPCIS 2.0 by Craig Alan Repec, GS1</p> <p>Roadmapping 101 - a tool for better facilitation, coordination and communication towards more timely and sustainable outcomes by Bent Bilstrup, Technology Roadmapping Advisor, Lakeside</p>
	Plenum presentations Auditorium 1	
16:25	Wrap-up by AIDC Denmark	
16:40	Networking in Atrium with Wine, Beer or Water sponsored by CISPER	
	The agenda may be subjected to change.	



Keynote presentations in plenum at RFID & IoT in the Nordics 2024

(in English)

DIGITAINABILITY - WHEN DIGITAL SOLUTIONS LEVERAGE SUSTAINABLE TRANSITION

The world is facing huge challenges. Companies who decide to use the synergies between digitalisation and sustainability as a framework for innovation have a unique opportunity to increase their competitiveness and be among those who offer the solutions we need. In this talk, you will learn how digitalisation and insights into human behaviour can encourage sustainability. Trine Plambech uses real-life examples to illustrate the huge potential in working strategically with digitalisation and user behaviour to leverage sustainable transition in companies.

Presented by Trine Plambech, Director of Digital Sustainability at the Alexandra Institute

POSTNORD'S IOT JOURNEY AND THE ROAD AHEAD

In this keynote we will hear the captivating story of PostNord's journey and the exciting road that lies ahead! Get ready to delve into the world of innovation and transformation, as PostNord shares insights, challenges, and triumphs from one of the most dynamic journeys in the realm of IoT. The speaker is Lead Visionary with a demonstrated history of reengineering and innovating logistics and supply chain industry.

Presented by Christian Østergaard, Senior Group Strategist of IT-production/IoT/AI at PostNord

HOW DO RFID AND IOT IMPROVE HEALTHCARE EFFICIENCY IN SMART HOSPITALS

Do you wonder how does RFID technology in healthcare improve patient outcomes? Improving the operational efficiencies of the hospital, improving patient experience and safety are some of the major investments nowadays. Let's talk together on how the Internet of medical Things (IomT) will affect healthcare and how RFID has the power to drive an amazing transformation in Healthcare.

Presented by Thomas Duparque, Healthcare vertical Lead in Europe, Middle East and Africa (EMEA), Zebra Technologies.

A MORE SUSTAINABLE SOLUTION FOR SMARTER WAY TO TRANSPORT SEAFOOD IN A CIRCULAR ECONOMY

Join us to explore how our new developed circular and recycle pallets and crates can revolutionize sustainable transportation seafood industry for contribute to a more sustainable future. Be part of our journey where we cover how we leverages advanced technologies (IoT) to optimize resource utilization, reduce waste, and promote sustainability. See how our solution deliver end-to-end tracking including washing and distribution based on circular economy strategies. Aim to enhance operational efficiency, minimize environmental impact, and drive economic value.

Presented by Lars Schnell | CTO | CIRCUMAR - Norway

RESEARCHING, FINDING, IMPLEMENTING AND DELIVERING RFID

72,000 assets, almost 20,000 sterile trays, 69 Buildings and 7.2 miles of cabling... - these are just some of the mind-boggling statistics that Rachael Ellis is going to discuss, as she shares her RFID implementation with you.

Rachael is the Scan4Safety Programme Director at Hull University Teaching Hospital NHS Trust in Hull, England, and this is England's largest RFID implementation within Healthcare.

Rachael will highlight in her warm, open style the highs, the low's and the insights of her experience of managing a wide ranging, huge scope implementation and how she has motivated her team to a delivery model which NHS England has bestowed the accolade of being the Global Digital Exemplar blueprint for RFID implementation. You will leave with an understanding of the programme scope, the strategic concept and the wish-list of the key stakeholders, mixed in with real life anecdotes, examples and key learnings.

Presented by Rachel Ellis, Scan4Safety, Programme Director



Flexible Integrated Circuits: FlexICs

- ⦿ Ultra-thin and flexible
- ⦿ Rapid production
- ⦿ Sustainable
- ⦿ Low-cost



Hear from Adam Read presenting
A sustainable approach to item-level intelligence
Tuesday 4 June 2024, 14:10, Auditorium 1

AIDC use cases:

(in English)

The value of listening to experiences from real life implementations of AIDC is indisputable. In this break-out session you can learn from 6 very different use case presentations.

You will be inspired, educated, motivated...
The business cases, the technology, the implementation projects, the standards etc.

The break-out session is in two parts:
13:50 – 14:50 and 15:20 – 16:20.

During the first hour we will have 3 inspirational user cases and after the coffee break, we will have another 3 inspirational user cases.

Advanced automatic data capture within the railway network

This presentation is about how one of the technically most advanced railway measurement systems in the world is conquering the world... and how it gets so much better with RFID. Also, you will follow others in the audience on a spectacular journey to places never ever seen before.

Presented by Björn Liszka, CEO at Advanced Measurement Technologies AB

A sustainable approach to item-level intelligence

Low-cost Flex ICs underpin scalable circular solutions, bringing item-level intelligence, driving operational efficiency and inspiring new ways to reduce, reuse and recycle.

Presented by Adam Read, Pragmatic Semiconductor Ltd.

TUK - a new case with innovative use of RFID

Let the books talk! Connecting physical books with e-books with an added personalization for kids

Presented by Kasper E. Lyhne, Founder of TUK

Transforming industry with RFID and circular business model

Explore the forefront of industry disruption with a focus on circular furniture for future construction.

Hear from the visionary team at Stykka, designers and manufacturers of circular furniture solutions for homes and buildings. They are redefining the role of furnishings in the built environment through innovation, technology, and circularity. This talk will provide valuable insights into the dos and don'ts of integrating sustainable practices that benefit people, the planet, and the climate. Don't miss the chance to gain firsthand experiences and pioneering strategies from Stykka's journey in technology and circular economy.

Presented by Jarl Engelbrecht Vindnæs, Founder of STYKKA

Autonomous self service stores through RFID solutions

The Finnish wholesaler ProMart supplies construction equipment and tools for the construction and shipbuilding industries. Its portfolio includes more than 20,000 products.

The company offers these online, via an app and, more recently, in unmanned self-service stores. These increase customer satisfaction, provide theft protection, automate replenishment management, and reduce costs.

Presented by Heikki Haavisto on behalf of ProMart and Turck Vilant

How asset tracking accelerated vehicle maintenance for the German armed forces

Discover how the German armed forces (Bundeswehr) have transformed their vehicle maintenance process using a seamless blend of passive and active tracking technology, all managed through a user-friendly application. This innovation allows for quicker vehicle deployment back into the field, enhancing operational efficiency.

Learn all about the journey of how this project was implemented and uncover the unexpected benefits that emerged along the way, making it one of the Bundeswehr Cyber Innovation Hub's most successful initiatives to date.

Presented by Philipp Stelzer, CSO, Co-Founder FORMATION GmbH





SMART WAREHOUSE

**Predict your production
and distribution**

**✓ Eliminate
mis-shipments**

**✓ Improve utilization of
warehouse capacity**

**✓ Reduce manual
handling**

**✓ Improve customer
satisfaction**



Healthcare RFID & IoT - the next steps

(in English)

Across the Nordics the Hospitals are deploying RFID solutions with a reference architecture based upon GS1 standards and methodologies. Passive UHF RFID (RAIN) has well defined and adopted standards from the Tag level to event transactions capturing what/where/when.

However, when it comes to deploying additional IoT technologies, more precise localization, adding sensor data etc., there are no easy way and no guidelines on how you make these technologies fit with the GS1 standards and methodologies.

How could you map these technologies into the GS1 standards?
- or are there appropriate alternatives to GS1 standards?

The break-out session is in two parts; 13:50 - 14:50 and 15:20 - 16:20.

During the first hour we will have 3 inspirational user cases from implementation of 'next step' tracking solutions based upon a mix of alternative technologies and standards.
All 3 cases will be presented for the first time in the Nordics;

Realtime visibility at Henry Ford Health

RTLS without any Infrastructure Investments ...
by the use of Apple's Indoor Mapping and more
Presented by Daniel Siegal, NavvSystems (via video link)

Choosing BLE for RTLS for a new hospital - considerations before acquisition

The Region of Southern Denmark is constructing a new University Hospital in Odense, "the new OUH". The hospital is one among other "Super Hospitals" in Denmark with need for RTLS. In contrast to the other "Super Hospitals", "the new OUH" is choosing to acquire Bluetooth Low Energy, BLE, rather than the more hospital-known RFID technology. The presentation includes why the choice has fallen on BLE, as well as the strengths and weaknesses of the solution.

Presented by Sara Beck Larsen, Project Manager at Odense University Hospital, Region of Southern Denmark

Implementing a sensorservice for environmental measurements in the South-Eastern Norway Regional Health

Sykehuspartner HF is establishing an ICT-service for environmental monitoring in collaboration with the hospital-trusts in the region. The presentation will explain the background for the project, objectives and expected benefits, and current status for the ongoing implementation. Keywords: temperaturemonitoring, dashboards, alerting, cloud, machine-learning, GS1, EPCIS 2.0.
Presented by representatives for Sykehuspartner HF.

After a coffee and networking break, we will in the next hour start with taking a look into what GS1 is bringing to the table with EPCIS 2.0 - ie adding sensor data to the standard event registrations (what/where/when).

Finally we will get some tips to build your own Technology Roadmap for deployment of various Indoor tracking technologies in your own organization.

The cases and examples in this track are from Healthcare, but all presentations and discussions are generic and relevant across Industries.

The workshop is organized by:



TSC

SETTING THE STANDARD FOR PERFORMANCE, PRECISION, AND RELIABILITY

INDUSTRIAL

T6000e RFID 4" & 6"

Suitable for high-volume labels, offers 4-inch and 6-inch widths with 203/300/600 dpi resolution and supports various RFID applications with internal and external antennas.

T4000 RFID

Offers flexibility for standard and on-metal tags. Its compact, durable design makes it ideal for constrained spaces and enterprise use.

PRINT ENGINE

PEX-2000 RFID 4" & 6"

Combines high-performance RFID encoding with exceptional reliability in a compact design for automating item-level tagging. It integrates easily into any print-and-apply system.

MOBILE

Alpha-40L RFID

Enables mobile RFID labelling, ideal for field use and exception tagging, allowing printing and encoding at the point of need.

DESKTOP

T800 RFID

Designed for lower volumes, the T800 offers a cost-effective solution for encoding and printing RFID labels with an adjustable, multi-position antenna for diverse label types.



Meet Industry Standards



Flexibility for Numerous RFID Label Types



Technical Support



One-Stop Service



The Industry's Highest Price-Performance Ratio



Tough and Reliable



TSC Auto ID tscprinters.com

Love your operations again.

Enable RFID quickly and easily to turbocharge your processes.



from TagworX



Visit us at Booth B1



TAGWORX
easy does it.

worx.software



It's easy to track and find your assets in real-time



Patient Intelligence

Monitor patient movement and status to optimize throughput, enhance security and improve safety.

Staff Intelligence

Improve staff efficiency and satisfaction by eliminating workflow bottlenecks, streamlining alerts and alarms and reducing non-value activities.

Asset Intelligence

Improve inventory management and eliminate wasted search time through visibility into your medical devices, equipment, medications and specimens.

- Visibility of assets in real time to improve workflows for equipment maintenance
 - Improved patient care
 - Enhanced risk management
 - Reduced procurement costs
- Estimated time savings of 88,000 hours across 2,500 staff

Find out how we can make your Healthcare operations easier :

**“How do RFID & IoT improve Healthcare efficiency in Smart Hospitals?”
10:10AM, Plenum Room - Thomas Duparque, Zebra Technologies
Healthcare Lead (EMEA)**

RFID labels til opmærkning

Brothers effektive RFID labelprintere opfylder alle kravene til produktivitet og sporbarhed.

Vi tilbyder også Brother-certificerede labels i mange formater og kvaliteter.

brother.dk/vi-elsker-labels



Invigorate business by connecting things



Invig ID - Digital passport



Infratrack - IOT & Indoor / Outdoor tracking



Keeptrack - Control of Value chains



Invig Inventory - RFID Tracking and Inventory



Invig delivers cutting-edge digital traceability solutions. We combine **RFID**, **IoT**, and **GS1 Digital Link** to enable seamless tracking and tracing of assets, products, and processes. Our expertise empowers businesses to optimize operations and unlock new opportunities.

As a trusted partner, Invig guides clients through digital transformation. Our team of knowledgeable experts provides tailored solutions using the latest advancements. We are dedicated to continuous innovation, ensuring our clients stay competitive in the ever-evolving digital landscape.

*"Your Assets Are Going Rogue.
Let's Bring Them Back Under Control."*

www.invig.no

TECHNOLOGY WITH A MISSION



Built into over **1.5 billion applications** worldwide, our full-circle IoT solutions give digital identities to physical objects, enhancing global connectivity for businesses, people, and the planet.



Pharma and Healthcare



Asset Tracking



Specialty Retail



Smart Supply Chain



Wine and Spirits



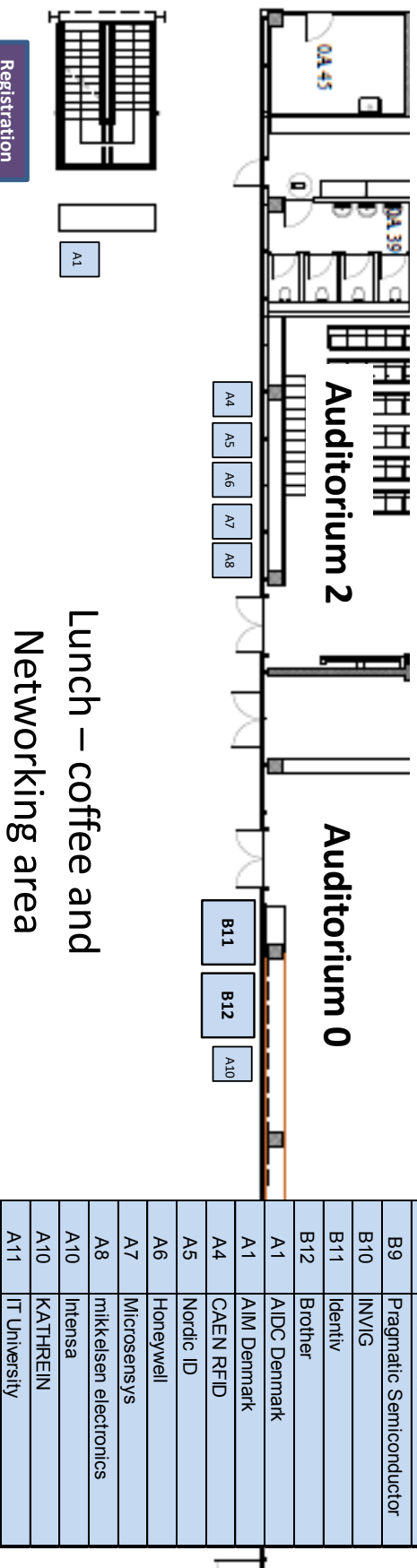
Environmental Intelligence

+1 888.809.8888 // sales@identiv.com // identiv.com

IDENTIV IoT
TECHNOLOGY WITH A MISSION

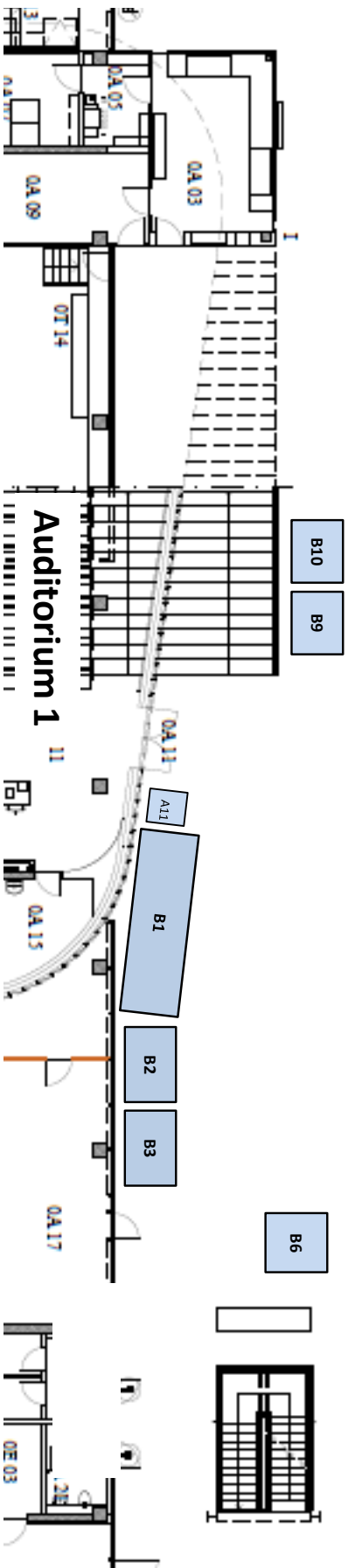
EXHIBITION OVERVIEW:

2024 Exhibition Floor plan



Lunch – coffee and
Networking area

Booth	Exhibitor
B1	TagWorX
B1	Zebra Technologies
B2	Lyngsoe Systems
B3	Tecsys
B6	TSC Printtronix Auto ID
B9	Pragmatic Semiconductor
B10	INV/G
B11	Identiv
B12	Brother
A1	AIDC Denmark
A1	AIM Denmark
A4	CAEN RFID
A5	Nordic ID
A6	Honeywell
A7	Microsensys
A8	mikkelsen electronics
A10	Intensa
A10	KATHREIN
A11	IT University



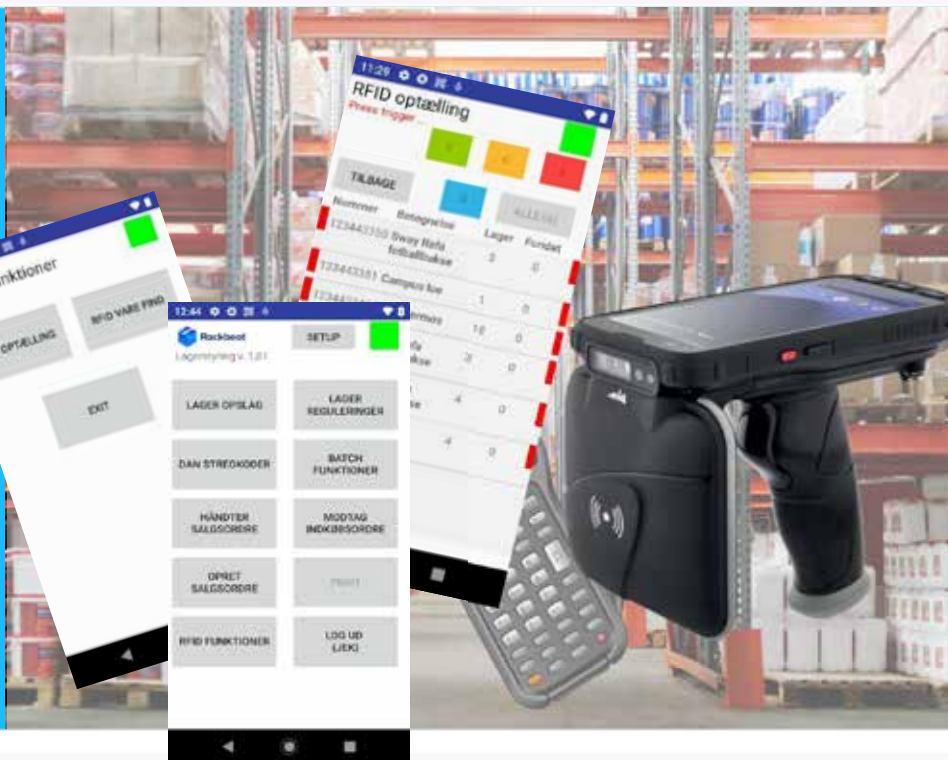
Som en komplet udbyder af RFID-løsninger tilbyder Capture IT et omfattende udvalg af RFID-scannere og -etiketter, der er designet til at opfylde kravene i forskellige industrisektorer.

Vores RFID-scannere er robuste, pålidelige og lette at bruge, hvilket gør dem ideelle til både lager- og butiksmiljøer.

De kan hurtigt læse og registrere RFID-tags på varer, hvilket sikrer nøjagtig sporing og overvågning af lagerbeholdningen.

Vi tilbyder også et bredt udvalg af RFID-etiketter, herunder passive og aktive tags, der kan tilpasses specifikke applikationer og miljøer.

Vores etiketter er designet til at modstå forskellige miljøforhold, hvilket sikrer pålidelig ydeevne under alle forhold.



Capture IT A/S
Kirkebjerg Parkvej 12
2605 Brøndby

Tlf: +45 70 222 118
e-mail: salg@captureit.dk

Læs mere om vores integration med Rackbeat



Læs mere specifikt om RFID



Bliv medlem og udnyt fordelene



Subscriber 0,00 DKK årligt	Individuelt medlem 300,00 DKK årligt	Individuelt ERFA-medlem 1.800,00 DKK årligt	Virksomheds-medlem 6.400,00 DKK årligt	Leverandør-medlem 9.000,00 DKK årligt
<ul style="list-style-type: none"> ✓ Nyhedsmails ✓ Deltage i åbne arrangementer 	<ul style="list-style-type: none"> ✓ Nyhedsmails ✓ Deltage i åbne arrangementer ✓ Deltage i webinarer ✓ Adgang til cases ✓ Stemmeret på Generalforsamling 	<ul style="list-style-type: none"> ✓ Nyhedsmails ✓ Deltage i åbne arrangementer ✓ Deltage i webinarer ✓ Adgang til cases ✓ Stemmeret på Generalforsamling ✓ Deltage i ERFA-grupper ✓ Deltage i virksomhedsbesøg ✓ Deltage i årlig RFID & IoT konference ✓ Årlig netværksmiddag 	<ul style="list-style-type: none"> ✓ Nyhedsmails ✓ Deltage i åbne arrangementer ✓ Deltage i webinarer ✓ Adgang til cases ✓ Stemmeret på Generalforsamling ✓ Deltage i ERFA-grupper ✓ Deltage i virksomhedsbesøg ✓ Deltage i årlig RFID & IoT konference ✓ Årlig netværksmiddag ✓ Rådgivning fra sekretariatet 	<ul style="list-style-type: none"> ✓ Nyhedsmails ✓ Deltage i åbne arrangementer ✓ Deltage i webinarer ✓ Adgang til cases ✓ Stemmeret på Generalforsamling ✓ Deltage i ERFA-grupper ✓ Deltage i virksomhedsbesøg ✓ Deltage i årlig RFID & IoT konference ✓ Årlig netværksmiddag ✓ Rådgivning fra sekretariatet ✓ Medlemskab af AIM Denmark, AIM Europe og AIM Global ✓ Lead generering ✓ Discount på udstillerpakke på årlig RFID & IoT konference ✓ Promovering af cases
			3.200,00 DKK for små virksomheder*	4.500,00 DKK for små virksomheder*

* Virksomheder med under 10 ansatte kan være med på halvt kontingent, men så kan kun 1 person deltage i møder, konference og netværksmiddag

- Studerende og deres undervisere kan få gratis medlemskab
- alle beløb er ex. Moms

SPONSORS AND EXHIBITORS:



ZEBRA

