

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 he 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 our new developed circular and recycle pallets and crates can revolutionize sustainable transportation in the 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.



RACHAEL ELLIS
Hull University
Teaching Hospitals NHS
Trust

Scan4Safety the why, the what and the how!

AIDC
DENMARK
AUTOMATIC IDENTIFICATION AND DATA CAPTURE

aim
DENMARK

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. Get a chance to meet visionary first mover companies and experts within the fields of RFID, Smart Identifi-

cation 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

Vi fremmer anvendelsen af automatisk identifikation og datafangst i Danmark.



AIDC DENMARKS VISION

Vi sikrer erfaringsudveksling og vidensdeling indenfor automatisk identifikation og datafangst

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, 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>International user case keynote presentation ... by Rachael Ellis, 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 XXX	
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 (Sweden)</p> <p>New ultra thin and flexible RFID chips are opening up new cases for RFID by Adam Reid, 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 Dan Siegal, NavvSystems (via video link)</p> <p>Choosing BLE for RTLS for a new hospital - considerations before acquisition by Sara Bech 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>Sustainability and Circular Economy case by Jarl Vindnæs (Founder) and Pelle Jørgensen (COO), STYKKA</p> <p>Autonomous self service stores through RFID solutions by Martti Pinomaa, ProMart and Turck Vilant (Finland)</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 EPC-IS 2.0 by Craig Alan Repec, GS1</p> <p>How can you build your own Technology Roadmap for AIDC and RTLS 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 CISPERS	
	The agenda may be subjected to change.	



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

(in English)

KEY-NOTE-1: 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.

KEY-NOTE 2:

PostNord's IoT journey and the road ahead

In this keynote, Christian Østergaard will be unveiling 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 Christian shares insights, challenges, and triumphs from one of the most dynamic journeys in the realm of IoT. Christian Østergaard is Lead Visionary with a demonstrated history of reengineering and innovating logistics and supply chain industry.

KEY-NOTE 3:

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.

KEY-NOTE 4:

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

KEY-NOTE 5:

Xxxxxxx

International AIDC use case from the Healthcare sector. Presented by Rachael Ellis, Hull University Teaching Hospitals NHS Trust.



AIDC use cases:

(in English)

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

New ultra thin and flexible RFID chips are opening up new cases for RFID

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 Reid, 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

STYKKA case

XXXXXXX (title and text will follow soon!)
Presented by Jarl Vindnæs (Founder) and Pelle Jørgensen (COO), 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 Martti Pinomaa 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



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 Dan 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 EPC-IS 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:



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