

RFID BRINGS ZERO STOCK ERRORS!



Hellefors Brewery was founded in the 30's by Charles Holmstrand. His son, Elof Holmstrand, took over after him and today the third generation, Mats Holmstrand, is MD. From 1991 until 2003, investments have been made in new machines and equipment for about 100 MSEK. The premises have been built out in five phases during the same period and today there are four production lines covering an area of more than 15,000 m² used for production and storage. The increase in turnover for Hellefors Brewery has gone from 11 MSEK in 1991 to about 300 MSEK 2003. From 1991 to 2003 the workforce has risen from 7 to 80 employees.

Hellefors Brewery has a wide range of products, which are produced in four production lines, each line dedicated to a specific packaging type;

- 1-litre cartons for liquid, Combibloc- packaging,
- 2 dl cartons for liquid, Tetra Brik- packaging,
- Bottles (glass and PET),
- Plastic containers for fruit juice.

The brewery's product range consists of the following product groups: cider, juice, fruit soup, fruit fool, multivi-



"We wanted to automate our data capture and eliminate the risk for errors when loading the racks, so we decided to go for a system based on the RFID-technology", says Enno Lepik, responsible for Logistics/IT at Hellefors Brewery.

"Since our products are more or less perishable, it is important that we can guarantee that our stock is treated according to the FIFO-principle, to avoid the risk of a pallet being put in a wrong rack position and remain there for a long time", says Enno.

the risk of the pallet "disappearing" is great and maybe it will only accidentally be found after a few months or maybe not at all. Now, each forklift truck has been equipped with a truck-PC, a Barcode scanner, an RFID-reader and each pallet position is identified by an RFID-tag.

tamine, mineral water, soft drink, fruit juice, fruit drinks, light drinks etc. Besides the brewery's own trademark, the company is a subcontractor, producing products which are packed and privately labelled.

QUALITY

Hellefors Brewery aims at uniting products of a high quality with low prices. The brewery constantly strives to find the best suppliers and to improve control and productivity.

TECHNOLOGY

From production until delivery, the pallets are stored in racks, taking 5 pallets in height. The traditional method, of marking each rack position with a barcode, does have certain weaknesses. When the driver shall scan the position there is always a risk of him scanning the wrong label. The higher up in the rack, the bigger the risk of making an error. If an error occurs,

CONTINUE PAGE 2



CONTENTS:

November 2005

- Sid 1 RFID brings zero stock errors!
- Sid 3 RFID goes banking...
- Sid 4 RFID tags more than a replacement of bar codes
- Sid 6 Temperature logging by RFID can guarantee product quality
- Sid 7 Thomsonfly the first airline to order compartment seals for their aircrafts!
- Sid 8 RFID results in reduced delivery time
- Sid 9 SJ new commuter card
- Sid 10 Sun hosts iNEMI forum on RFID

FROM PAGE 1

THE RFID-READER

Artimas, the supplier of the RFID-equipment, designed and produced a special reader, where all electronics for reading and communication are integrated. The system is powered by a battery, also

integrated in the reader. The communication between reader and truck-PC is done by means

of a Bluetooth-module. In order of obtaining a long uptime, the reader is controlled by a photocell. It activates the reader as soon as the truck is picking up a pallet. Hence just the Bluetooth-module and the photocell are active all the time and they draw extremely little power. The truck handling is rather harsh, so all trucks are equipped with a special protection fence at the forks. The RFID-reader is placed in the upper left corner field of the frame and firmly attached to it. The load on the pallet is secured with stretch film and equipped with a barcode label. When the truck takes a pallet, then the barcode is scanned automatically.

As soon as the truck drives in towards a rack position, then the RFID-reader verifies the position by reading the tag code. Now the pallet ID is unmistakably connected to the rack position. The whole identification process is carried out automatically. Thanks to this procedure, Hellefors gets complete control over



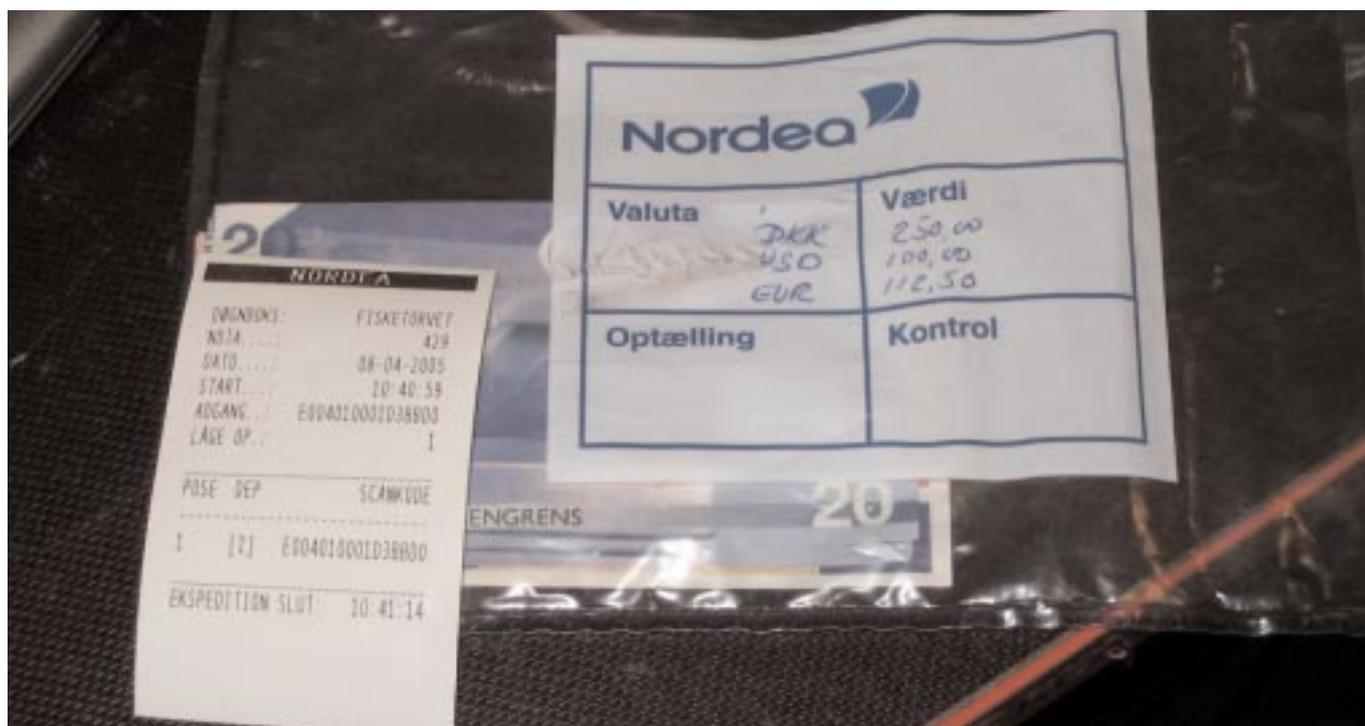
the stock and at the same time they get the stock status updated in real time. Every change – in or out – is registered at the same time it happens. The trucks get heavily worn and as a rule they are exchanged after two years of service. Hence it is important that the equipment installation can be carried out in the shortest possible time. Normally the installation takes 1st to 2 days, which in addition to high costs also means a certain capacity shortage. The cables that had to be lead the long way over the mast were both expensive and exerted to wear and tear, eventually leading to a cable rupture.



Reader- antenna + Bluetooth

Battery+Photocell

RFID GOES BANKING...



RFID provides unique opportunities to increase flow security and control.

RFID-Solutions set a new standard for cash flow registration, monitoring and control from point-of-sale terminal via deposit box and during transport to final processing at the CIT company and/or the bank.

The solution combines well-known thoroughly tested technology and a sophisticated software solution. RFID-Solutions provides the state-of-the-art solution, cooperating with leading suppliers of deposit boxes, safety bags and RFID technology, RFID solutions designs, develops and implements the complete solution.

IMPROVEMENTS IN ALL STAGES OF THE PROCESS

The new RFID technology ensures that the solution benefits the bank's customers, the CIT company and the bank. The solution is based on:

- intelligent safety bags with integral RFID transponders
- readers and recorders in point-of-sale terminals
- readers and recorders in the deposits
- wireless transfer of data in real-time between point-of-sale terminal, box, bank and CIT company

WIDE-RANGING BENEFITS

The RFID technology provides a very high level of security, affording the option of monitoring and controlling every cash flow transaction. The system secures an effective wireless registration of the physical cash flow, while ensuring that all relevant data are transferred wirelessly in real-time to the bank and/or the CIT company. This means that the bank and the CIT company are always up-to-date with The registered amounts in the physical flow. All communication takes place in secure protocols with integral data storage, preventing any loss of data.

SECURITY COMES AS STANDARD - THE SOLUTION IS FLEXIBLE

RFID-solutions provides a technological solution that affords many opportunities for optimising processes and producing economies in the flow as a whole.

The system has been developed to be so flexible that it can be adjusted to the individual bank's and/or CIT company's needs. The system has already been implemented in a leading Nordic bank

*For further information,
please contact:
ACG Identification Technologies
GmbH
Björn Norinder
Tel + 46 (0) 8 667 25 00
Email: bjoern.norinder@acg.de*

RFID TAGS MORE THAN A REPLACEMENT OF BAR CODES

RFID tags are often seen as just a convenient replacement and extension of the well known bar code labels on consumer items. There is no doubt about the many possible advantages RFID tag labeling of products brings to both producers and consumers. Producers will, for example, profit in the areas of supply-chain and inventory management. A consumer can have the microwave oven read the cooking instructions of food, thus being saved the work of programming the equipment by hand. And to imagine that one can slip the endless seeming queue in the supermarket because the RFID reader would read the content of the shopping cart and tells the price during shopping is certainly a nice thought.

However, there are not only advantages but there are certain risks that the information available in the RFID tags is abused. If RFID tagging of items, i.e. not only consumer products, but also passports, paper money bank notes, airplane tickets etc., will occur at the rate generally expected then soon RFID tag readers can compile a complete catalog of everything one is carrying, this happening completely unnoticed. Perfect profiles about individuals could become available. Imagine for instance that Mrs. Svensson applies for a job with good chances but is refused during the interview. The company could have scanned Mrs. Svensson and learned that she has a pace maker of a product group which is older than fifteen

years and they expect therefore that she could need some sick-leave to replace it.

There is another difference between bar codes and the Electronic Product Code (EPC) in RFID tags, which is that bar codes usually only carry information about the type of item being marked. The EPC however contains an item's unique product code, i.e. identifies a specific item (e.g., a unique watch) rather than an item group (a type of watch). This unique identifier could be used to uniquely identify a person that is wearing or carrying this product. Imagine for instance that Mrs. Svensson enters a supermarket. Through the RFID tag in her watch, she could be identified as a certain returning customer (even

Mrs. Svensson
some time in future

...



though the supermarket might not know her by name). It could be monitored which RFID-tagged items she is touching or picking in order to profile her interests and customer behavior within the shop. These customer profiles could be used for the purpose of displaying targeted advertisements for her on video screens that she passes in the supermarket. When she is using her credit card for payments, the unique identifier of her watch could be linked with her name or personal number. If the secret service has access to the link between the personal number of persons and unique RFID codes of their belongings, they could identify participants at political meetings by secretly scanning their RFID tags.

By the very nature of RFID tags the transmission of information occurs from a distance, and may very well occur in a manner invisible to a person carrying RFID tagged items. Hence, information about a certain individual can be communicated without the individual's awareness or consent. Privacy can be defined as the right of informational self-determination, meaning that individuals should have control over the release and use of their personal data.

For protecting privacy, a holistic approach comprising both legal and technical measures is needed. The European Data Protection Directive 95/46/EC is defining general legal requirements that have to be fulfilled by RFID applications. In particular it is generally required that concerned individuals have to consent prior to

any personal data processing via RFIDs. The data processing must be transparent ("visible") for the concerned individuals, i.e. they have to be informed in advance about the presence of RFID tags and readers and their consequences, and about who is collecting personal data for what purposes. The data may then only be used for those specified purposes. However, legislation is only as good as its enforcement. The best strategy is to enforce privacy requirements also by technical means, so-called privacy-enhancing technologies.



The easiest technical protection would be to disable the RFID tag when an item is purchased via so-called killing tags at the point of sale. However, that means we could not use it for controlling the cooking or knowing that the Armani customer should only be dry-cleaned. Therefore more sophisticated protection is needed.

Further suggestions for technical means are tag pseudonyms, i.e. the tags could contain a set of pseudonyms instead of unique serial numbers, or selective blocker tags develo-

ped by RSA Laboratories, which "spam" unauthorized RFID readers, so that they cannot locate the protected tags' identifiers.

Karlstad University is currently participating in the EU IST project PRIME (Privacy and Identity Management for Europe) which is developing privacy-enhancing identity management solutions enabling individuals to regain control over their personal spheres. A PRIME-based solution for RFID application could consist of a personal mobile device (e.g. smart mobile phone) of a user running an identity management system that controls in a very flexible way what RFIDs may be scanned by selectively blocking tags. For each query for reading a RFID protected by the user, the system can assess the current context and depending on this make a decision on how to respond to the query. The response is governed by the user-defined privacy policies and computed by the identity management system on the user's personal mobile device.

Hence, PRIME-based solutions can make personal data processing via RFIDs transparent and controllable by the users and thereby technically enforces legal privacy requirements.

More information about PRIME is available at:
<http://www.prime-project.eu.org/>
Simone Fisher-Hübner Professor
Karlstad University
Albin Zuccato Dr
Karlstad University
Theodore Thijs Dr
Karlstad University

TEMPERATURE LOGGING BY RFID CAN GUARANTEE PRODUCT QUALITY

Baumer Ident now presents a simple way to supervise the temperature during transport of sensitive products. This ensures temperature has stayed within the limits during the whole transportation process.

Each interruption in the cool or freezing chain during transport of e.g. food or drugs can lower the quality of the goods considerably or even destroy them completely. It is however difficult to make a simple and reliable check of the goods quality upon arrival. Disappointed customers will soon identify poor quality and will have valid cause for complaint. Pharmaceutical products can suffer from significant economical consequences if the transport commitment has failed.

By using OIS-U RFID systems from Baumer Ident it is now possible to supervise sensitive products and to check that the correct temperature

environment exists during the whole life cycle of transportation. An RFID tag with a temperature sensor is packed together with the goods. The limit for max and min temperature is set in the tag. The tag has a LED indicator which shows a green or red signal when the goods arrive. If the LED is green the temperature has performed within the limits during the whole transportation. If it has been too cool or too hot the signal will show red. The receiver can easily identify with the naked eye if the delivery meets the standard and is to be approved. No additional reading equipment is required.



If your company has a requirement, the temperature can also be logged at specified intervals during the transportation process. This process allows you to print out a report showing the temperature curve for the whole transport time as a proof document for the receiver.

*For further information
www.baumer.se*

*Product Manager Anders Boman, tel
+ 46 36 – 139433 e-mail:
anders.boman@baumer.se or
Marketing Communication Manager
Ulla-Britt Wiking,
tel + 46 36 – 139441,
e-mail: ulla-britt.wiking@baumer.se*



NEW INTERNATIONAL AIRLINE MARKET BREAKTHROUGH WITH RFID SEALS

THOMSONFLY THE FIRST AIRLINE TO ORDER COMPARTMENT SEALS FOR THEIR AIRCRAFTS!

A new seal for airline compartments is now entering its final testing phase for electronic tag compliance. The European company Confidence International and the Swedish company PLEFO AB have produced a new innovation built on the Confidence RFID patent TimeStamp and PLEFO's patented electronic RFID seals. It has passed the qualifying rounds and has confirmed great possibilities of being the solution that not only for Thomsonfly (former Britannia Airways) but also all other airlines we have been waiting for.



A special reader for reading of a seal

The product is now being recommended to airlines and airports alike. Such a recommendation would represent a major European and International market breakthrough for TimeStamp seals. Addressing security, maintenance and identification control solutions, a market worth millions of euros in the long term has been realised. Confidence has been working with the RFID technology project TimeStamp since 1989 and the project is supported by EU as the EUREKA project 452.

"After the first pilot installation performed on the SAS flight between CPH and EWR supervised by M.Sc. Peter Enskog-Sokolowski from SAS as PM

on flights between Copenhagen and New York, we feel that our solution worked well" commented PLEFO's executive Lucas Ahlstrom. "Every code-carrier [microchip, transponder] survived all the rigors of seal requirements for transport and handling, each and all fully readable at the test sites". The same process has also taken place with the maintenance team at Thomsonfly, Luton Airport, UK under the supervision of Bryan Duffy the Group leader Technical support and with PM Steve Wilcox, Technical Support Engineer Airframe, as the primary engagements with the group.. The TimeStamp seal concept works as promised and the Thomsonfly team spent many hours verifying and enhancing the functionality to fit their needs.

Confidence and PLEFO provide the only solution utilising a microchip laminated in a standard compartment seal making it possible to implement - using already existing packaging - at airlines and airports all over the world today. In numerous tests TimeStamp's mid frequency RFID technology has proven itself to provide a long reliable reading distance, which has a clear safety advantage.

For more information regarding systems and electronics mentioned in this article, please contact Mr. Lucas Ahlstrom, executive member of PLEFO and the RFIG group.



Untouched seal



Broken seal



Peter Enskog-Sokolowski with a special reader for reading under seats in narrow spaces.

*For further information
please contact:
Lucas Åhlström, PLEFO AB
lucas@plefo.se
www.plefo.se
www.confidence.se
Phone +46-8-667 4020
Mobile +46-70-182 1500*

RFID RESULTS IN REDUCED DELIVERY TIME

The automotive industry places great demands on their sub suppliers regarding delivery time and flexible production. An example is Lear Corporation in Gothenburg, a company which manufactures chairs for Volvo cars based on specific customer requirements. The company had to increase the rate of productivity to be able to meet the requirements of reduced delivery schedules. All new chairs must be delivered at Volvo only seven hours after the placement of order.

One of the actions taken by Lear was to install an RFID system on the production line. When production commences the different parts for each chair are placed on a palette with an RFID-tag. All parts are equipped with bar codes. The operator scans the codes and keys in which specific chair is to be built. The identity of



the RFID-tag is read automatically and all the information is matched within the computer system. On the production line all chairs are automatically identified at each mounting station by the RFID system. The control system can automatically adjust the mounting equipment in the correct mode for the operators. In previous processes an operator identified all chairs manually with a handheld bar code scanner at each station. This took a long time and often resulted in errors with production. By using RFID the level of automation could be increased and this resulted in both a higher rate of productivity and an increased product quality.

By using RFID the mixed flow production can be automated.



All new chairs must be delivered at Volvo only seven hours after the placement of order.

One of the actions taken by Lear was to install an RFID system on the production line

*For further information
www.baumer.se*

Product Manager: Erik Arnalid, tel +46 36 – 139433 e-mail: erik.arnalid@baumer.se eller

Marketing Communication Manager: Ulla-Britt Wiking, tel + 46 36 – 139441, e-mail: ulla-britt.wiking@baumer.se

SJ NEW COMMUTER CARD

Swedish Railway company SJ have during the autumn reprofiled the contact-less Travel card based self-service system in Mälardalen.

More possibilities are offered to the customer, all possible thanks to smart card technology:

Σ 30 days unlimited travel

Σ 10 journeys pay for 7 during 30 days

Σ Travel purse

The first two services are period based, the third is based on a travel purse in the smart card. In the latter case it is possible to have a travel profile ("most common journey") stored on the card.



SJ new commutercard with RFID technology

Once the customer have received the Commuter card he/she can use the self service system, you "tick off" your journeys in the platform card reader before entering the train. The period is renewed in the automat, where you also can load your travel purse, print out account, buy single ticket etc.

(bild som förut)

The commuter cards have been supplied by Axalto and is based on their EasyFlowM32K product. SJ now use Mifare 1K as well as 4K cards in their system. So called disposable cards

(Mifare Ultra Light) may also be used in the future.

The Public Transport Operators in Sweden will in the years to come also modernise their ticketing systems to handle contact-less travel cards of the same type as SJ. This is co-ordinated by RKF, Resekortsföreningen. The vision is that the cards can be used in each other systems and that in the long term it shall also be possible to use the card in other applications such as e.g. park-and-ride, special traffic etc.

For further information please contact:

Modul-System Sweden AB, based in Järfälla develop systems in public transport and parking and handle card transactions (credit cards and travel cards). Please contact Torbjörn Henryson, 08-506 30115, trh@modulsystem.se for further information. www.modulsystem.se Axalto, former Schlumberger Cards, is the world's leading provider of micro-processor cards. Axalto have 4,500 employees in more than 100 countries and have sold more than 2,8 billion smart cards. www.axalto.com





SUN HOSTS INEMI FORUM ON RFID

On October 4, 2005, Sun hosted the International Electronics Manufacturing Initiative (iNEMI) Forum on RFID at Sun's Newark, CA campus.

Participating were representatives of major electronics manufacturing companies such as Intel, Motorola, Sun Microsystems, Sanmina-SCI, Jabil, Celestica, Intermec, Tyco Electronics, Thingmagic, and Bell Canada. Also participating were EDS, VeriSign, AMR Research, and Sumco. The purpose of

the one-day forum was to understand the barriers to adoption of RFID Technology in electronics manufacturing, and to identify focus areas for the iNEMI organization to work on to address some of these barriers. The group identified two areas for iNEMI to focus on: working with EPC-Global's standards committees to become an ISO standard, and to working on technology initiatives geared towards improving cross-company integration of tags, rea-

ders, and back ends. Meeting minutes including presentations will be posted on the iNEMI website.

http://www.inemi.org/cms/newsroom/Presentations/RFID_Forum_Oct_2005.html

*For further information please call:
Leif Nordlund +46 8 631 13 00*

Contact RFID nordic organisation

ACG IDENTIFICATION TECHNOLOGIES GMBH

Björn Norinder
Storängsvägen 25
115 42 Stockholm
Tel 08 667 25 00
Mobile 070 675 46 49
Email bjoern.norinder@acg.de
www.acg.de

ACSC INTERNATIONAL

Pether Axelsson
Box 119, 599 23 Ödeshög
Tel 0144 10 000
Mobil 0706 42 42 88
Pether.axelsson@acsc.se

ADAGE SOLUTIONS

Juha Rajala
Box 10021, 952 27 Kalix
Tel 0923 668 81
Juha.rajala@adgate.se

ADCNORDIC

Ola Bengtsson
Box 21001
200 21 Malmö
Tel 08 768 50 70
ola.bengtsson@adsnordic.com

ARTIMAS

Johan G Malm
Bror Nilssons Gata 4
417 55 Göteborg
Tel 031 65 11 41
070 289 11 41
johan@artimas.se

BAUMER IDENT

Baumer Ident AB, Box 134,
561 22 Huskvarna
Tel 036 139441.
erik.arnalid@baumer.se

BEA Systems

Peter Oldeen
Gustav III:s Boulevard 42
SE 169 27 Solna
Mobil 0708 80 92 03
Office 08 522 260 00
Peter.oldeen@bea.com

BIOETT

Scheelevägen 19 A
SE-223 70 Lund, Sweden
Tel 046 286 39 30
olle.hydbom@bioett.com

CAPGEMINI

Ivo Kukavica
Gustavslundsvägen 131, Box 825
161 24 Bromma
08 536 84254
0706 019 407
ivo.kukavica@capgemini.com

CHECKPOINT SYSTEMS SWEDEN

Jan Ehrensverd
Kanalvägen 18
194 26 Upplands Väsby
Tel: 08 506 566 00
Mobile: 0709 30 82 76
www.checkpointeurope.se/

CORDURA A/S

Lau Rasmussen
0045 861 37 777
lau.rasmussen@cordura.dk

CUB SYSTEMS I TÄBY AB

Urban Engström
Ella Gårdsvägen 40 B, 187 45 TÄBY
Tel 08 638 88 50
0705 70 90 80
urban.engstrom@cubsystems.se

DISPLAYONLINE ADUCTOR GROUP AB

Hans Hindersson
Norrborgsgatan 8, 185 32 Vaxholm
Tel/mobil 08 522 04 660
hh@displayonline.se

GS1

Jeremy Morton
Vasagatan 46 4 tr
Stockholm
jeremy.morton@ean.se

ELECTRONA-SIEVERT AB

Gunnar Ivansson
Vretvägen 13 142 34 SKOGÅS
Tel 08 447 31 15
gunnar.ivansson@electrona.se

EMS-RFID AB

Niklas Hild
EMS-rfid AB (AutomationSystem)
Vikhemsvägen 9
241 22 Eslöv
Tel 0708 999 538 , 073 448 76 23
www.ems-rfid.se www.ems.com
www.automationsystem.se
niklas.hild@automationsystem.se

FREE2MOVE

Per-Arne Wiberg
Pilefeltsgatan 77
302 50 Halmstad
Tel 035 15 22 60
Per-arne.wiberg@free2move.se

FÖRENINGSSPARBANKEN

Angelika Melchior
015 34 Stockholm
Tel 08 585 900 00
Angelika.melchior@foreningssparbanken.se

HP

Per Englund
Gustav III boulevard 36
169 85 SOLNA
per.englund@hp.com

ID SECURITY SYSTEMS

Leif Ewald
Tel 0706 39 48 34
leif.ewald@idsecurity.se

INFINION TEC SWEDEN

Dan.Wallin@infineon.com
Isafjordsg. 16
16440 KISTA
Tel. 08 757 41 03
Mobil. 070 518 3550

INTERMEC

Thorbjörn Sporre
Vendevägen 85 A
182 91 Danderyd
Tel 08 622 06 63
Mobil 0708 16 03 55
thorbjorn.sporre@intermec.com

ISE DATA AB (Datema koncernen)

SolnaStrandväg 98
Mobil: 0708 89 74 85
Tel 08 517 150 80 (00 vx)
joakim.dahlberg@ise.se

IT UNIVERSITETET

Peter Öst
It2ospe@ituniv.se

KIWOK

Björn Söderberg
Norrländsgatan 22
111 43 Stockholm
Tel 08 679 82 00
Mobil 073 805 09 00
Bjorn.soderberg@kiwok.com

LARBERG CONSULT

Rolf Larberg
Rolf.larberg@telia.com

LXE SCANDINAVIA

Carin Andersson
Sjöflygvägen 35A
S-183 62 Täby
Sweden
Tel 08 544 445 50

MENTORGRUPPEN

Lars Nordmark
Tel 042 490 19 17
Mobil 0709 75 99 42
www.mentoronline.se

MODULSYSTEM

Torbjörn Henryson
Tel 08 506 30 115
Torbjorn.henryson@modulsystem.se

MOWISE

Lavendelvägen 5, 192 54 Sollentuna
Tel 08 96 53 87
Mobil 070 662 88 81
Gunnar.widen@mowise.com

NORD-EMBALLAGE

Bo Wallteg
Bankvägen 30262 70 Stöveltorp
Tel 042/207166
Mobil 0703/207163
Mail: bo.wallteg@n-e.nu

PLEFO

Lucas Åhlström
Högbergsgatan 27, 6 tr
116 20 Stockholm
Tel 08 644 66 00
Mobil 070 644 66 00
Mail: lucas@plefo.se

POSTEN SVERIGE AB

105 00 Stockholm
Tel 08 781 21 15
Fax 08 20 58 80
Tor.Wallin@posten.se

PSION TEXLOGIX

Håkan Nyström
Hammarby Fabriksväg 23
120 33 Stockholm
Tel 08 452 88 80
Hakan.nystrom@teklogix.se

SAP

Magnus Norrman
Box 12297
Gustavslundsvägen 151 D
102 27 Stockholm
Tel 08-587 700 00
Mobil 070-346 19 73
magnus.norrman@sap.com

SCHENKER CONSULTING

Gunnar Schrewelius
Box 8013
163 08 Spånga
08 585 10 832
070 624 83 66
Gunnar.Schrewelius@schenker.com

SMARTICWARE

Omid Aval
omid.aval@smarticware.com

SIEMENS Business Services

Röntgenvägen 2, SE-171 95 Solna
Tel 08-730-6552
Mobile073-620-6552
lennart.moback@siemens.com

SOGETI

Hoss Eizaad
Gustavslundsvägen 131
Box 825 161 24 BROMMA
Tel 08 536 820 07
070 922 99 77
hoss.eizaad@sogeti.se

SOKYMAT

Björn Norinder
Hotellgatan 1
372 38 Ronneby
Tel 08 667 25 00
Bnorinder@aaitg.com

STRECKKOD SYSTEM

Kenneth Ekberg
Kungsholms Strand 165
SE-112 48 Stockholm
Tel 08 650 05 15
e-mail: kenneth@streckkod.se
www.streckkod.se

SUN Microsystems

Camilla Odenteg
Box 51 164 94 KISTA
Tel 08 631 13 05
Camilla.odenteg@sweden.sun.com

SVENSK HANDEL

Bo Svensson
103 29 Stockholm
Tel 08 762 78 28
bo.svensson@svenskhandel.se

TAGMASTER

Tel 8 632 19 50
magnus.rehn@tagmaster.se

TREATY Ltd

Lars-Åke Wernersson
Finlandsgatan 60
SE 164 74 Kista
Tel 08 47 47 301
Lars.wernersson@treaty.com

TELIASONERA

Alf Johnson
Augustendalsvägen 7
SE 131 86 Nacka Strand
Mobil 070 680 4101
Tel 08 601 8609
alf.johnson@teliasonera.com

TRACTEchnology

Henrik Österlund
Wenner-Gren Center, 19tr
Sveavägen 166, 113 46 Stockholm
Tel: 08-556 934 03
Mobil 0707-333 678
henrik.osterlund@tractechnology.se

VIAMOBILE NETWORKS

Johan Franck
Sibyllegatan 18 114 42 Stockholm
Tel 08 667 20 10
Mobil 0733 96 24 20
johan.franck@viamobile.net

X-ident Scandinavia

Jarl Gunnarsson
Muskötgatan 17
254 66 Helsingborg
Tel 042 290 295
Mobil: 0733 461 648
jarl.gunnarsson@x-identscandinavia.se

XPONCARD

Eva Maria Matell
Hornsgatan 103 117 28 Stockholm
Tel 08 658 75 10
Mobil 073 684 47 10
Evamaria.matell@xponcard.se

IF YOU WANT TO FOLLOW THE EXITING DEVELOPMENT JUST WATCH WWW.RFIDNORDIC.SE AND GIVE YOUR OWN COMMENTS.

If you want to be a member of the RFID Nordig organisation just give us a call on +46 8 662 31 95 and put 7 000 SEK on pg 6181749-0. Welcome