



# **AUTO-ID 8TH BOARD MEETING**

## **TECHNOLOGY BOARD**

**NOVEMBER 14, 2002**

**CHRIS CLAUSS, SUN MICROSYSTEMS INC.**



## MOMENTUM: WELCOME TO NEW MEMBERS

- Technology (44)

Accenture, ACNielsen, Alien Technology, Avery Dennison, **AWID**, Cash's, **Catalina Marketing Corp**, Checkpoint Systems, Inc., **ConnecTerra, Inc.**, Ember Corporation, Flexchip AG, Flint Ink, GlobeRanger, **Information Resources, Inc.**, Intel, Intermec, Invensys PLC, **KSW Microtec AG**, Markem Corp., Matrics, Morningside, NCR Corporation, **NTT, NTT Comware**,  
Oat Systems, Philips Semiconductors, PriceWaterhouseCoopers, Rafsec, RF Saw Components, SAP, Savi Technology, **Sensitech**, Sensormatic Electronics Corp, **Siemens Dematic Corp.**, ST Micro,  
Sun Microsystems, Symbol Technologies, TAGSYS, ThingMagic, **Toppan Forms**, Toray International,  
**Vizional Technologies, Zebra Technologies Corporation**



## THE “AHA” EXPERIENCE

- Significant progress
  - Unified approach & unified message
  - Technology/standards becoming very clear
  - Pilots are becoming more significant
  - New University Centers - Research Council
  - New organization ideas with EAN/UCC
  - Progress is accelerating, adding more value to Auto-ID
- Congratulations



## TAGS & READERS

- Great progress!!!
- Industry sponsors and Auto-ID Center have continued converging towards a few, well thought out, standards in T&R
  - UHF Class 1
  - UHF Class 0
  - HF Class 1
- U. of Adelaide has been key in making this happen.



## SOFTWARE: ONS & SAVANT

- Public version released:
  - Software working well, seems well architected and robust
- Robust security needs to be added in next release
  - Encryption
  - Authentication
  - Authorization



## PML SERVER

- The PML language is coming together nicely but...
- Continuing sense of « unease »

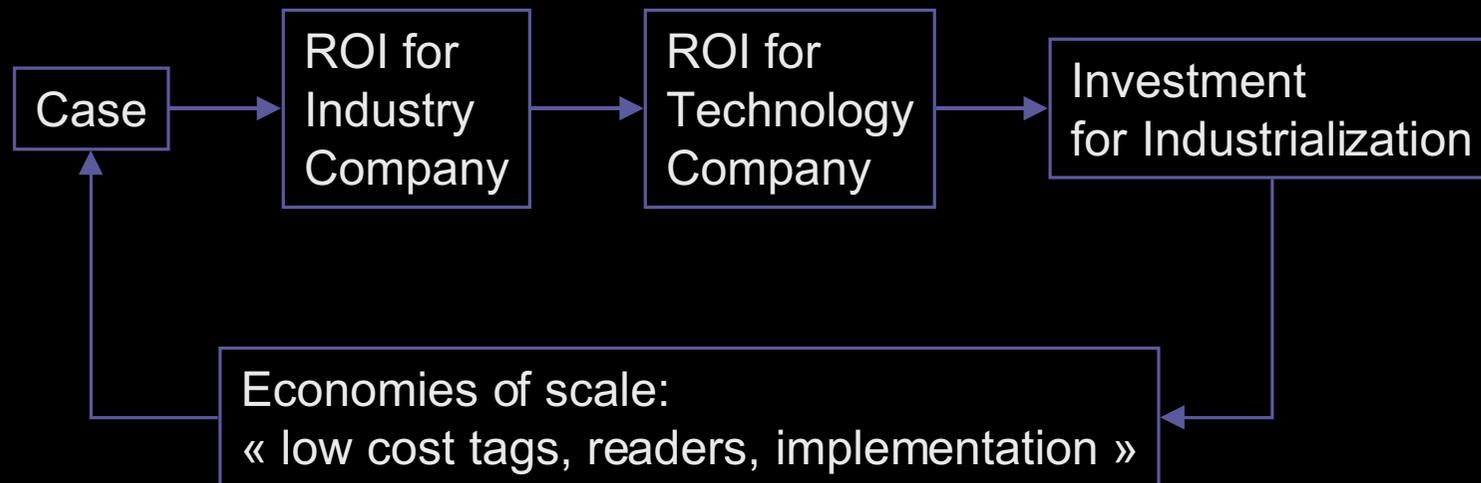
It's key, but we are still not quite sure exactly « how »

Different architectures for different purposes



# BUSINESS CASE

- Critical to Technology Companies





## STANDARDS...

- Standards, intellectual property, licensing are key to Technology vendors to:
  - Invest in development
  - Invest in industrialization
- Need to take additional steps to ensure adoption

**Carefully  
documented  
Standards**

### **Certification:**

- **HW & SW**
- **Certification test**
- **Authorized certification centers**

### **Brand it**

**« Auto-ID Ready »**  
**« Pure Auto-ID »**



# STANDARDS WILL BE KEY

Identification  
Instruction  
Multi industry  
Multi application

sensor

tag

ePC

reader

PML

savant

DB

savant

ONS

savant

app.

 standardisation required: interface or API  
 standardisation required



## IP & Co-DEVELOPMENT

- IP is difficult, but important
- Vendors want to ensure Open Standards
- Exciting progress towards a final process that will allow Vendor organisations to co-develop with Auto-ID Centers



## CONCLUSION

- A lot has been achieved by the Auto-ID Center, a lot is still ahead of us
- Continue the move from development to adoption
  - Scaling
  - Integration
  - Security
- Your **continued** work, collaboration and feedback is essential in making Auto-ID successful



# Thank You

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