



**AUTO-ID CENTER**

**RESEARCH AT THE AUTO ID CENTRE  
– CAMBRIDGE LAB**

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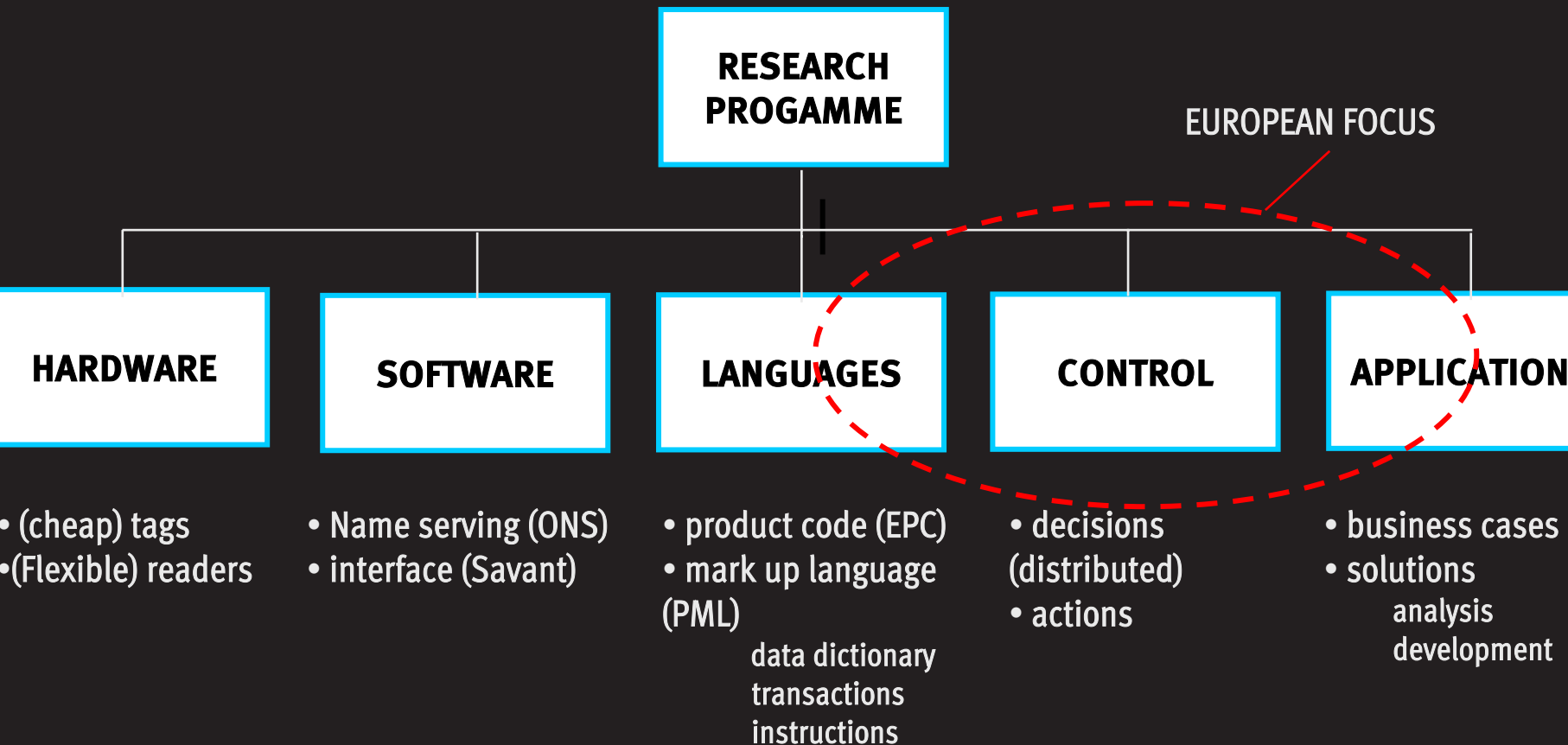
**RESEARCH DIRECTOR - CAMBRIDGE LAB**



- Cambridge Focus: Information Into Actions
- **The Research Programme**
- Project Snapshots
- Demonstration



# OVERVIEW OF AUTO ID RESEARCH





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MIT: headquarters, core infrastructure (tags, readers, savant, PML)

Cambridge: Savant/PML usage, BIS integration, Control ...

Adelaide: RFID systems and protocols

Keio: Network, ubiquitous computing

Fudan: Fabrication of chips

M Lab: PML, Applications, Business Cases



# UC PROJECTS

- Core: basic Auto ID technology
- Enabling: generic developments building on core
- Application: focus in specific application domains
- Implementation: actions supporting Auto ID roll out



# CORE ACTIVITIES

- Savant Implementation
- PML Server development
- PML Recipes (Product Instructions)
- “Middleware”



# ENABLING ACTIVITIES

- Identity “Augmentation”
- Intelligent Devices
- Visibility
- Customised Control
- Materials Handling
- *Diagnosis*



# APPLICATION ACTIVITIES

- Manufacturing Shop Floor Control
- Shelf Replenishment
- Reverse Logistics at End of Life



# IMPLEMENTATION ACTIVITIES

- European Field Trials
- Business Information System Use Cases
- Demonstration Test Bed
- Auto ID Calculator