



Alexandra Institute

Agenda

- About Alexandra
- About InfinIT
- About the Intelligent Textiles Interest Group
- About Memory Bag

Alexandra Institute

- GTS - pervasive computing
- 100 employees
- Bridging the gap between academia and private business'
- R&D projects and consultants
- Userdriven Innovation, Participatory Design

About InfinIT

- Nationwide innovation network covering IT
- ITU, DTU, AU, AAU, SDU, CSI, CISS, Alexandra Institute
- DI ITEK, COWI, Servodan etc.
- Intelligent Textiles Interest Group: 130 members 50/50 public private
- Sharing knowledge, matchmaking, projects

Focus

- Mobile & pervasive systems
 - Popular: Intelligent products
- VISION
- The network gathers private companies and academia in order to develop embedded, mobile and pervasive solutions and technologies

Interest Groups

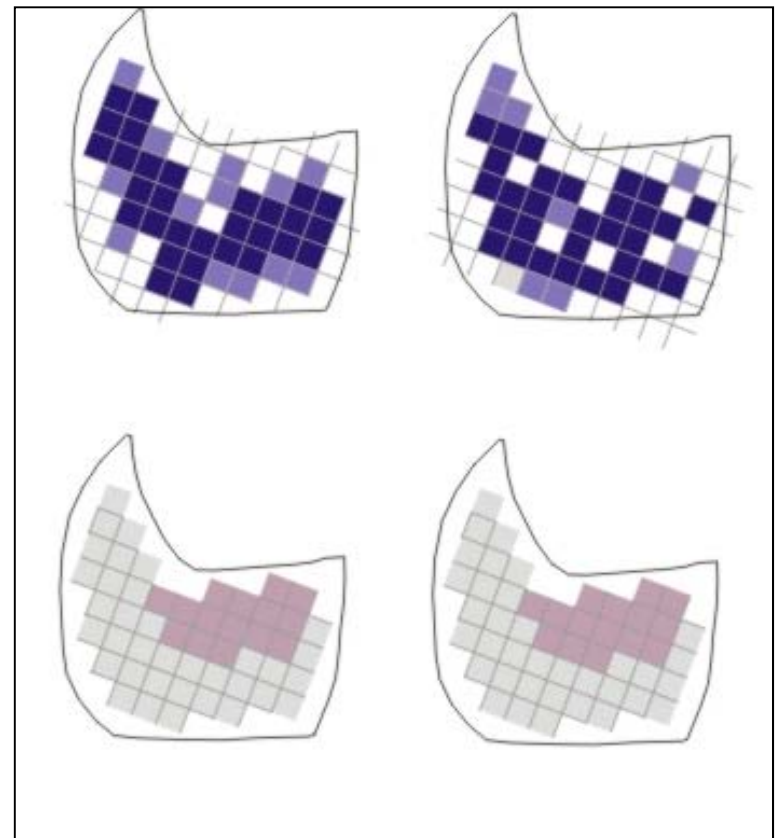
- Software Test
- Mobile & Pervasive Learning
- Usability & interaction design
- Intelligent Textiles
- Smart Grid & Intelligent Buildings
- Tracking & Positioning Services
- High-Level Programming Language
- Safety-Critical systems
- Processes and IT.

Projects & products

- Memory Bag
- Solar Bag
- Climate Dress
- UV Dress
- Magic Shirt
- Bra with it

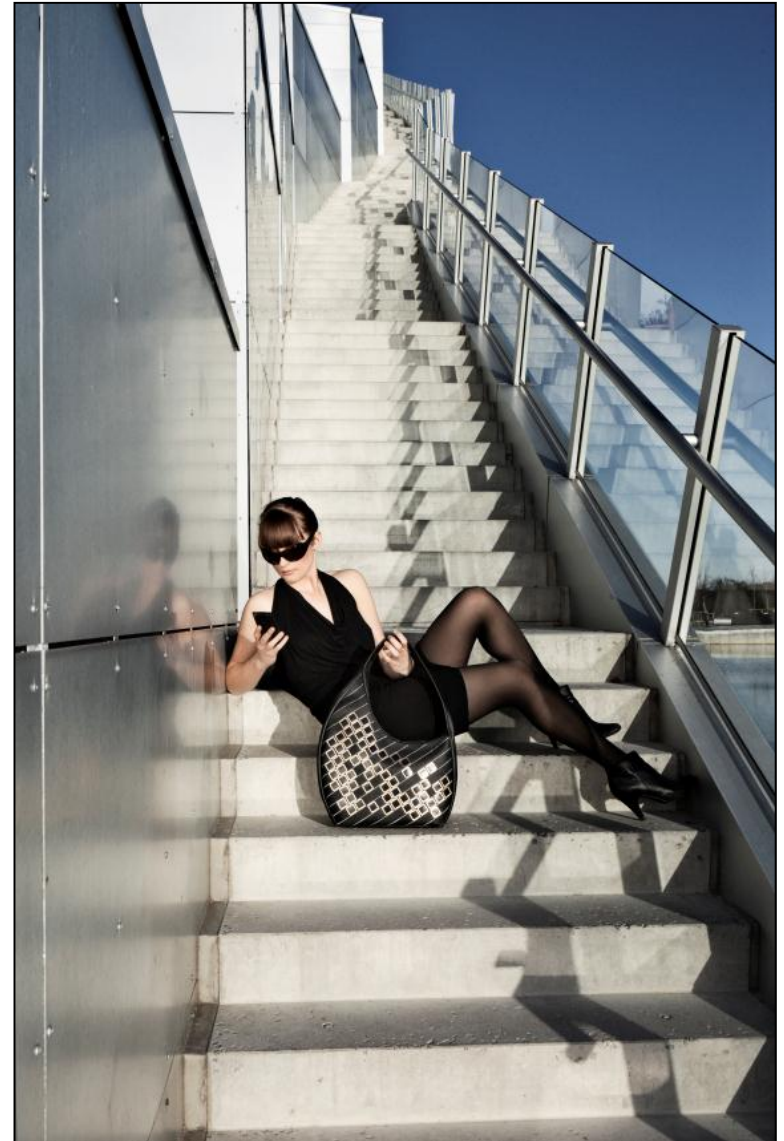
Memory Bag

- Solar Bag
- Placing the solar cell paillettes
- Harvesting energy
- Light inside bag
- Charging mobile phone
- Surplus energy.....



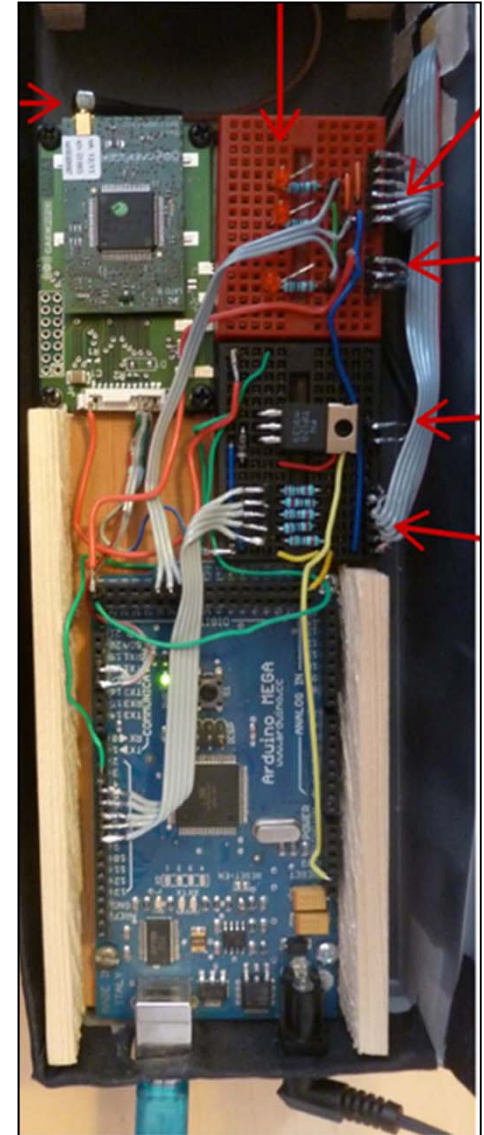
Memory Bag

- The bag as a device caring for it's autonomous urban user, always on the way from a-b
- You need power
- You need to always have purse, phone, keys etc.



Memory Bag

- What's in the bag?
- Electronics:
- Microcontroller, Arduino mega
- 3 touch sensors
- 5 light diodes
- UHF-RFID reader
- 5 unique RFID-tags
- Buzzer



Memory Bag

- Interaction design:
- Input: movement or caressing
- Output: vibration, diodes blinking
- Poetic communication
- Communicating devices in our daily life



Memory Bag

- What's next?:
- Heralds new product concepts
- Lifestyle area
- It-textiles
- Focus on the private customer instead of B-to-B



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