

From Research to Business: case Citywall

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www.hiit.fi

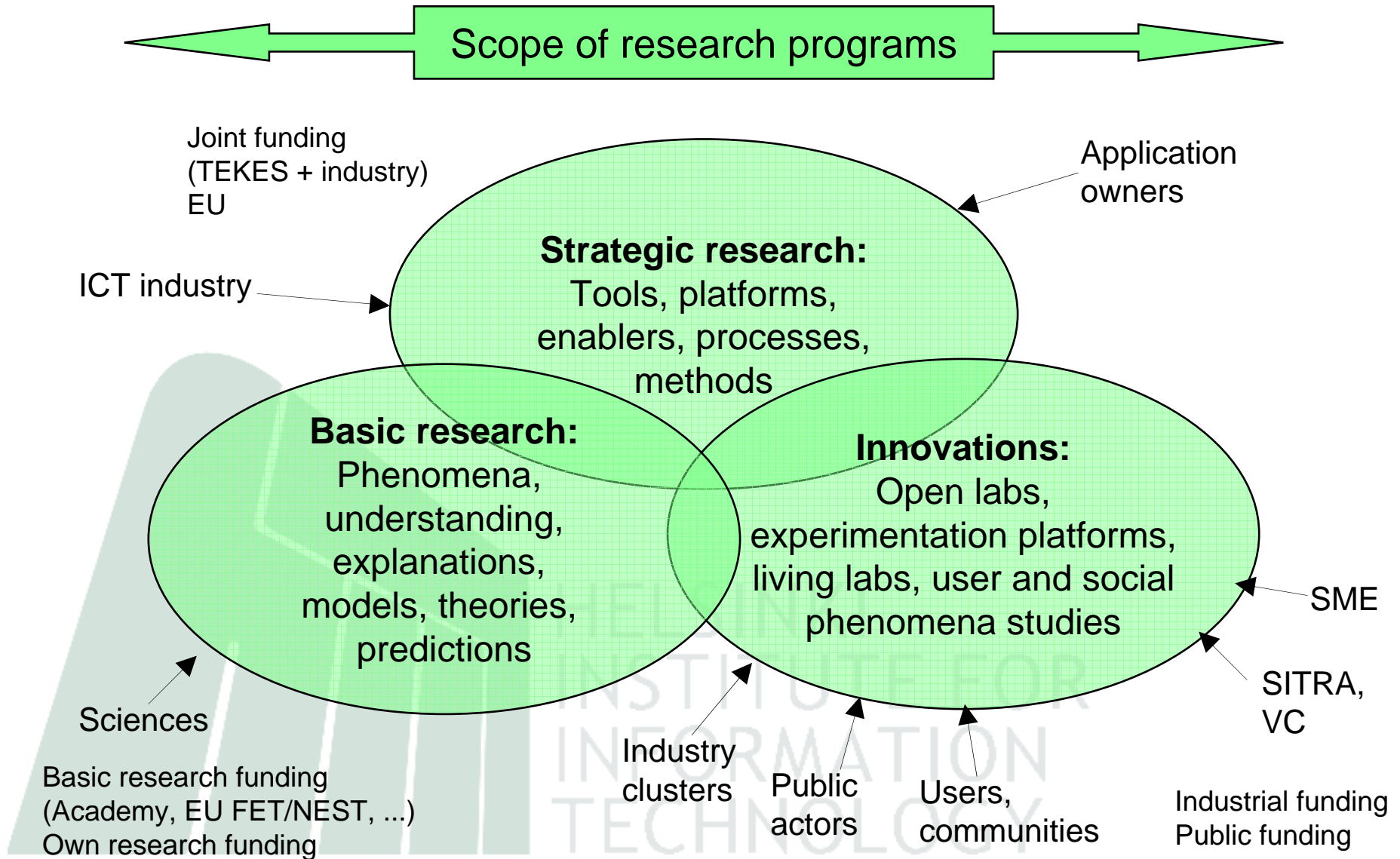


HIIT

- Helsinki Institute for Information Technology HIIT
 - Joint research institute of Helsinki University of Technology (HUT) and University of Helsinki (UH)
 - Founded 1999
 - Personnel 170
- Research Programmes and Research Groups
 - Algorithmic Data Analysis
 - Future Internet
 - Network Society
 - Probabilistic Adaptive Systems

HELSINKI
INSTITUTE FOR
INFORMATION
TECHNOLOGY

End-to-end Methodology



Petri Martikainen

- Research Manager at HIIT 2006->
- Research Coordinator at HIIT 1999-2000
- Project Manager at HUT 1995-1996
- CEO, Multi Touch 2009->
- CEO, Sofia Digital 2000-2005
- Director, DataUnit Consulting 1996-1999
- Number of Board of Director positions 1989->



Research to Business

- Some Spin-off companies based on HIIT's research
 - Ekahau (wlan positioning)
 - Jaiku/Google (social media)
 - Multi Touch
- Hundreds of spin-offs in HUT, yearly about 100 new business ideas
- Patenting as a possibility to researcher
 - New invention act for universities since 2007
 - About 70 innovation notices in HUT yearly
 - Researcher are entitled for revenue share up to 40%

CityWall research project

- Citywall was “just another demo” for IPCity (Interaction and Presence in Urban Environments, <http://www.ipcity.eu/>) research project)
 - IPCity is EU-funded project for mixed reality
 - Universities and Companies participating



...Citywall (citywall.org)

- Demo was a big success
- A number of business related inquiries
 - Project researchers were interested to develop the concept further



Multi Touch Ltd

- In summer 2007 Multi Touch were founded by the researchers
- Contract between the company and HUT/HIIT concerning the transfer of IPR
- Funding
 - Incubator support
 - Own money
 - Tekes funding
 - Venture Capital funding search
- Operations started late 2007
- External financing 2008
 - Tekes and Veraventure

Multi Touch



- Research results developed to products during 2008
- Launch of new and innovative LCD multitouch screen 09/2008

<http://www.multitouch.fi>





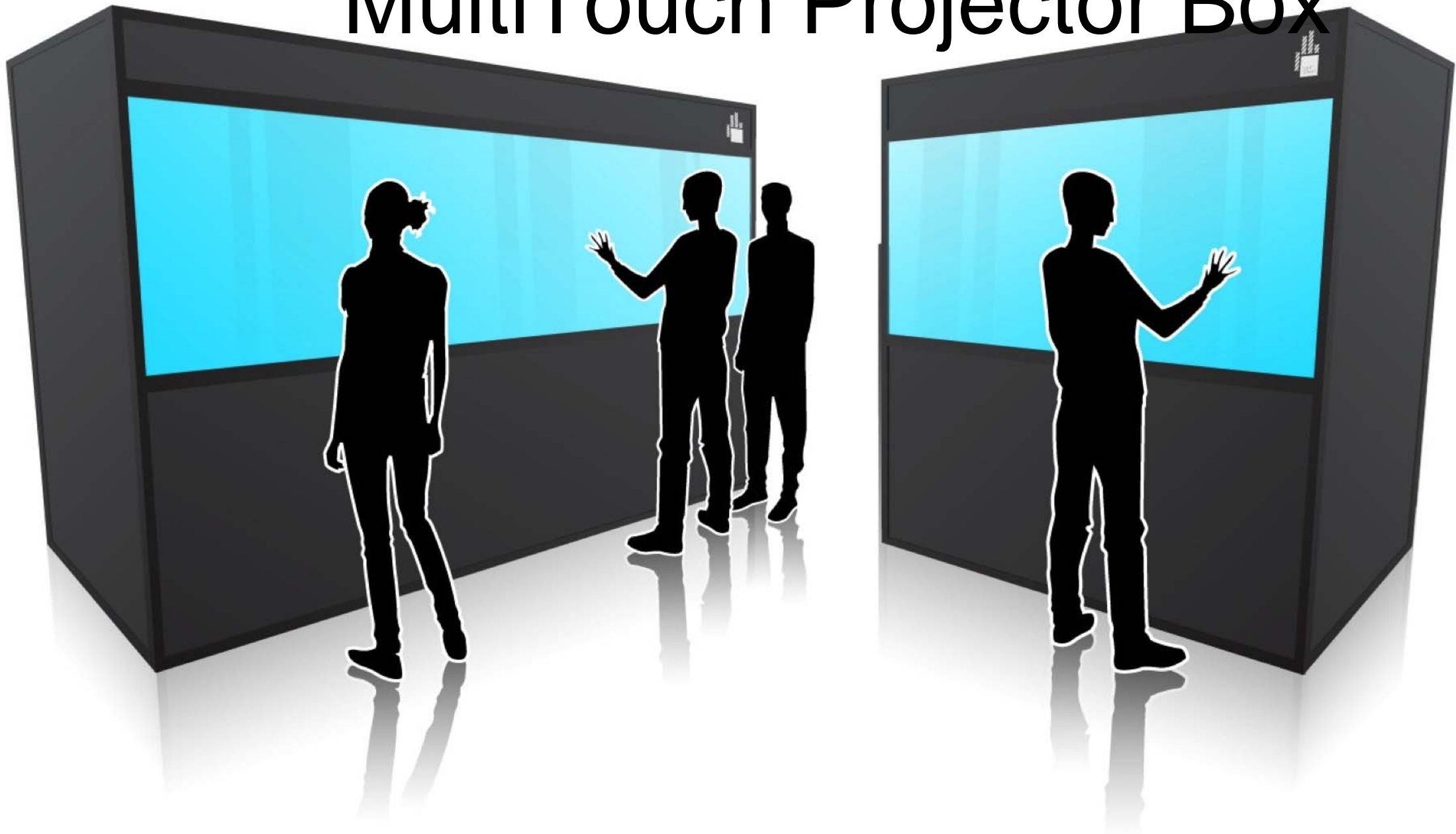
MultiTouch Oy

MultiTouch provides solutions and services for large multi-touch displays creating the new generation of engaging and interactive media installations

Products

- MultiTouch LCD Cell
- MultiTouch Projector Box
- MultiTouch Cornerstone SDK

MultiTouch Projector Box



MultiTouch LCD Cell



MultiTouch Cornerstone SDK

MultiTouch CornerStone software handles all aspects of multitouch installation. The software controls the cameras needed for the computer vision engine, detects hand and fingers from the camera images, and provides a framework for building rich multitouch user interfaces.

MultiTouch Advantages

Thanks to LCD

- better image resolution and contrast, colour quality,
- ease of setup and maintenance

Robust and truly multi-touch

- works in all lighting and hand conditions
- sees hands and not points

Flexibility

- modular composition
- any set-up (wall or table) and orientation (portrait landscape)

Cornerstone SDK Customer Case



T-Mobile stand at CeBit 08

Using MultiTouch Cornerstone SDK the largest MultiTouch screen in public



Standard HW and SW for easy customising



The MultiTouch LCD Cell



Launch of the MultiTouch Cell



CityWall

The first ever MultiTouch Installation outdoor





CityWall

The CityWall is a collaborative web-enabled interface for the community to explore and interact with the city's data. The interface displays data in a way that is easy to understand and use. It is designed to be used by anyone, anywhere, at any time. It is a powerful tool for the community to explore and interact with the city's data.

Interactive digital display showing a street scene with overlaid data and interface elements. The scene includes a road, trees, and buildings. Text overlays include 'CityWall', 'CityWall', and 'CityWall'. There are also some numbers and icons on the screen.

p://citywall.org

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CityWall PLACE

IP Deutschland



