



## ASCIT



Again at my School by fostering Communication through Interactive Technologies for long term sick children

The ASCIT sick children project pursues the design, development and experimental implementation and evaluation of a 'proof of concept' that supports the learning process of long term sick children.



The 'proof of concept' incorporates innovative hardware and software, and connectivity features that are especially focused on the (re-)establishment of high quality communication between the sick children and their regular school and classroom learning environment (teacher, peers, school friends).

Based on a preliminary analysis, the target group for the project is primary education and the actors supporting the child in its educational/medical context. The project envisions a solution that helps to establish high quality involvement of long term sick children in a communication based scenario between the place where the child stays/has been moved and the original classroom/school setting.

The communication provisions build on audio/video links and are set in a user friendly user interface (e.g., based on 3D techniques). Most ICT solutions that now exist for these kinds of problems are too expensive and thus can't be distributed on a large scale. Within the scope of the ASCIT project it is important to search for an affordable solution. In other words: a combination of quality requirements and economical requirements is indispensable.

The ASCIT project combines the expertise of 4 industrial partners, 3 institutions and 6 research entities. The expertise field covers: hardware design, connectivity, broadband connectivity, interface design, usability research, educational design, representation of nonprofit patient organisations, user needs analysis, and defining and solving legal issues.

## MAIN RESEARCH ACTIVITIES

- An inventory of concrete user needs of long term sick children; parents, teachers; medical staff and intermediary organizations; based on task analysis and user observation
- A state-of-the art about existing ICT-based solutions for long term sick children
- A functional analysis of instructional processes and a description of the possible instruction scenarios
- An inventory of legal problems and implications
- Study of the impact of economical considerations on design/development decisions
- A summary of the technical specifications that are required for the 'proof of concept'
- Implementation and demonstration of the 'proof of concept'

## RESEARCH SUBJECT

This project is part of the  
IBBT research subject  
eHEALTH

Healthy  
Society 

The key to accessible and efficient health care lies in the  
cross-fertilization between research, technology and health care itself.

## IBBT RESEARCH GROUPS

IBBT-CUO-K.U.Leuven  
IBBT-ICRI-K.U.Leuven  
IBBT-IBCN-UGent

IBBT-MICT-UGent  
IBBT-EDM-UHasselt  
OWK-UGent

## IN COOPERATION WITH



Alcatel-Lucent 



**artec**

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