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Empowering Profoundly Disabled Users to Live More Independently

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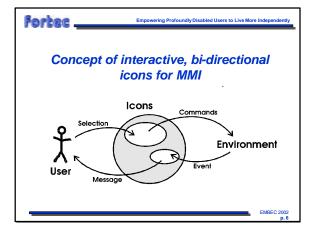
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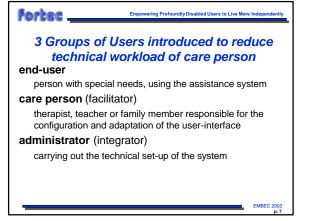
The AUTONOMY research project

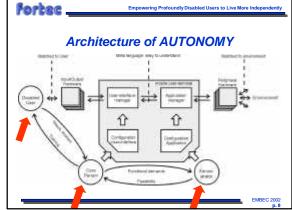
has integrated different functions: environmental control, AAC, computer-access, security and safety...

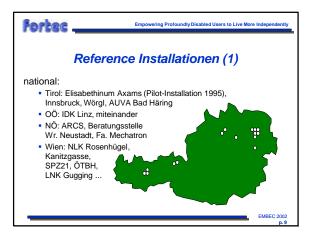
into a modular and open system with...

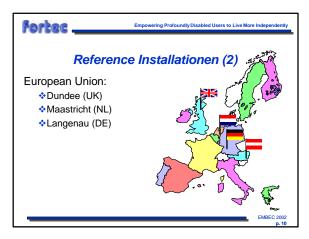
- clear separation of user-interface and application.
- Tools were implemented for adapting the system functionality to the user requirements and...
- Tools to compose individual multimodal user-interfaces using carer's ideas and creativity

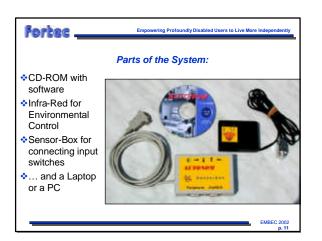


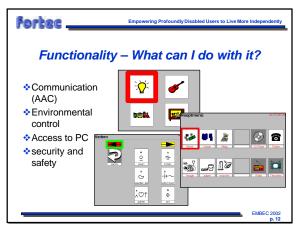




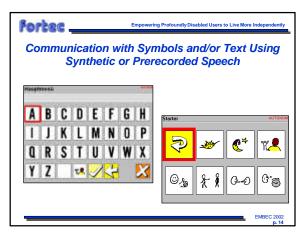






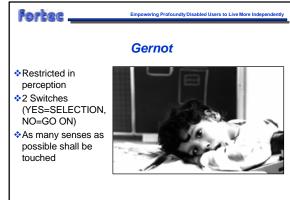






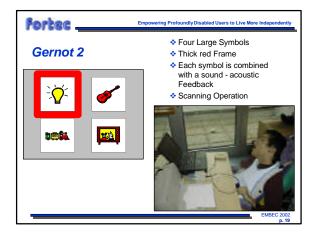


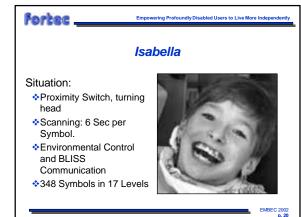
FORBE Empowering Profoundly Disabled Users to Live More Inde Using Autonomy in a Special Pedagogic Center Elisabethinum Axams 1995: Installation of the Autonomy Room 1996-1997: Field Studies 1998: First Autonomy Equipped Computers in Classrooms 1999: Central Media Database on Server touched 2000: Remote Assistance and Remote Service Study (EU funded) EMBEC 200

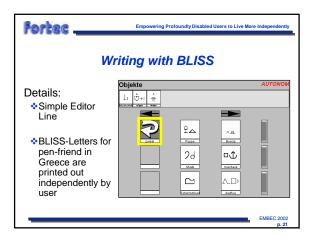


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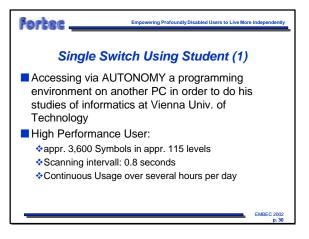














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Data from Real Life Usage

Application	Icons	Levels
starting	2-4	1
ECS	20-50	4-8
AAC (symbols)	40-90	5-13
AAC & ECS	80-150	10-20
AAC (BLISS)	350	17
Independent Living	190	24
Independent Living with Access to PC	250	16
High Performance Access to PC	3,600	115
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Key Success Factors for excellent Acceptance by involved Persons

Architecture considering the 3 different user groups

- Frees care persons from technical tasks
- Flexibility to tailoring the system continously
- in iterative cycles to the on-going changing needs of disabled users
 Flexibility for covering a wide spectrum of users
 - from basic stimulation to independent living
 - very different levels of complexity (4 to 3,600 icons)
- easy to use / intuitive
 - most of the persons involved are not and do not want to become PC freaks
- High reliability
- Affordable version available (since 1999 on Austrian Market)
- * Close co-operation between users, care persons and technicians

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