

FP6 – IST - call 6 - INFORMATION DAY  
Ambient Assisted Living (AAL) for the Ageing Society

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## WHO? – GWT mbH

- GWT : 173 employees (2004), 15.9 Mio annual turnover (2004)
- Location : headquarters in Dresden (south east Germany)
- Profile : contract research, B2B, transfer of know-how, access to leading research institutions & use of special equipment, business incubator, basic research, product development
- natural sciences, social sciences, engineering, economics, medicine
- solve interdisciplinary problems of business enterprises

*...Networking & Operation in different disciplines mapped to 7 techn./scientific departments serving various industries ...*

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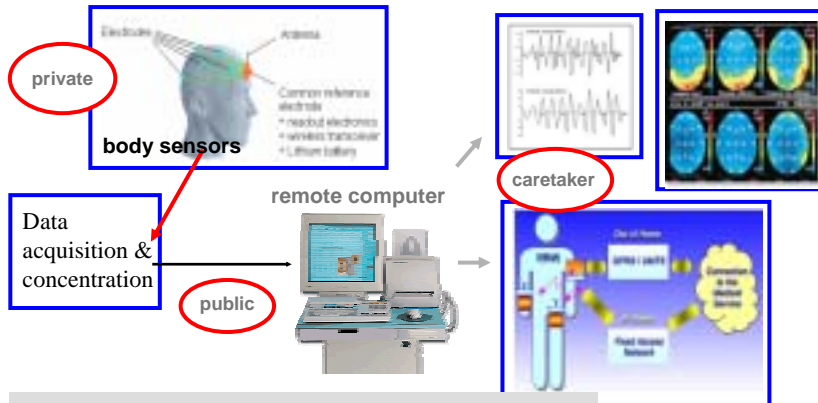
*Technical Director Electrical Engineering and Information Technology*

- *Human dignity is inviolable.* – ensure this also for the elderly people! It is NOT a true case in most of today's nursing homes!
    - a) enable alternative, self-determined living → use modern ICT to ensure connectivity on different levels [starting from easy to activate *communication with family and caretakers* over support by *remote monitoring* (elderly home status, elderly body function status) up to *positioning* (persons, items)]
    - b) off-load nursing home personal from frequent work, which can be automated → use modern ICT inside nursing homes for logistics, for body function monitoring, for in building communications
    - c) compensate for decreased mobility of elderly pers. by e-means
- Integration of different modern ICTs necessary (CE + home automation + communications + location) & easy-to-use I/F

## ONE T – Detailed Project proposal

- **Develop** concept for integration of existing sensor technology with short range radio technology + long range data transmission and **implement** and **test** crucial parts of the system.
- *Combine GWT's expertise in different fields: medicine technology, psychology and information technology coordinating the project.*
- *The project can build on existing test environment, which GWT has developed, applying prototypes of state-of-the-art wireless systems*
- *The system could be one part of a global system compensating for the decreased mobility of elderly persons and would allow them to stay longer independent at their home (with or without direct family support) instead of staying in hospitals and or nursing home.*
- *The system would allow to turn every home into a part of a virtual network of homes, which can be taken care by special caretakers. This would enable to self-determine the level of care/supervision for each participating person.*

## Reliable body function status sensing as sub-part of O N E T



ICT: combination of short range wireless sensors and long range communications

- **STREP or small IP**
- **18 – 24 months estimated**
- **1.5 – 2 Mio Euro EC funding estimated**
- **need concertation with other call 6 projects to establish global standard for interworking and interoperation**
- **Consortium Composition + Description of Work:**
  - *Coordination, Requirements, Concertation, Standards (GWT, ...)*
  - *Technology i) wireless adaptation + integration (GWT, ...)*
  - *Technology ii) sensor adaptation + integration*
  - *System integration + Field trial + Evaluation (GWT, ...)*
- **Contact with some interested partners, CA proposal prepared; consortium still open for potential additional participants. → please send EoI with your profile to GWT**