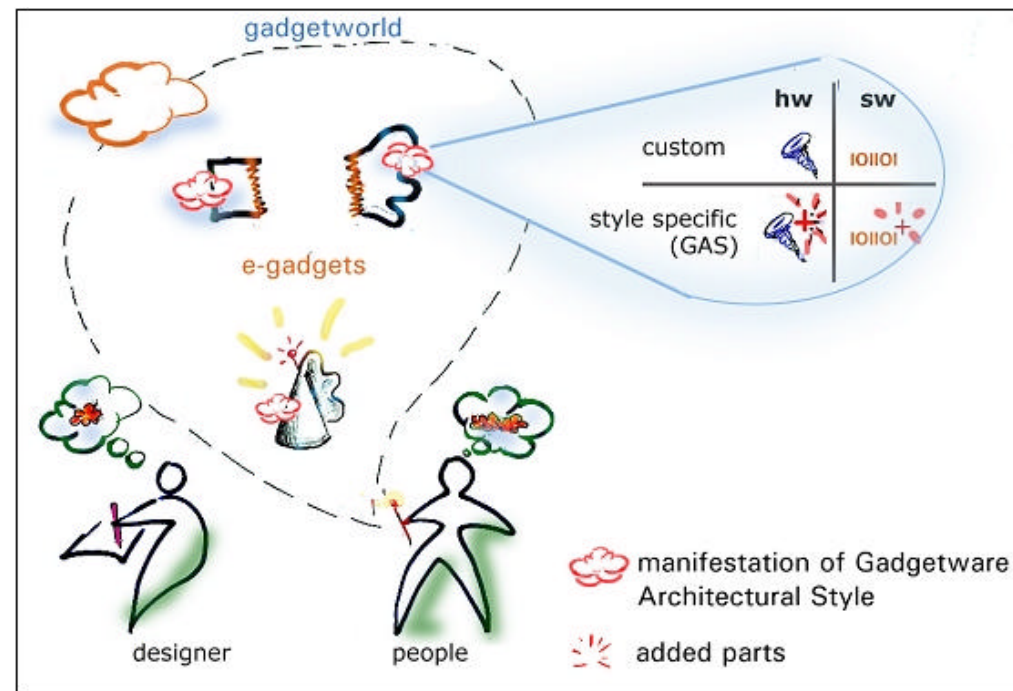# Extrovert Gadgets **IST-2000-25240**

e-Gadgets will: Develop and validate **an architectural style for tangible, communicating artefacts** [=a Gadgetware Architectural Style (GAS)]**.**

Design and develop an infrastructure and sample artefacts enabling the architectural issues and the GAS evaluation.

Extrovert Gadgets are *objects with communicative abilities*. The objects and/or their environment s can be enhanced by intelligence. A multitude of loosely coupled gadgets can be bound into ad-hoc interacting clusters which display collective function, thus forming a gadgetworld.

Objectives & Focus

The Gadgetware Architectural Style (GAS)

will be comprised of: a design "vocabulary"

configuration "rules"

semantic interpretation

GAS is a generic framework

shared by both gadgetworld designers and users

The design and development of GAS and artefacts

will be implemented incrementally in three iterative cycles

e-Gadgets will conclude on the value of the idea, and will

accordingly provide guidelines on the development of other

styles for various application domains.

e-Gadgets focuses on: creating a generic architecture,

deciding the degree and locus of "intelligence"

and enabling the new emerging behaviour of gadgetworlds

(as they are configured by end-users)

Project Information

List of participants

Coordinator: Computer Technology Institute, Hellas

Contractor: Essex University, Intelligent Buildings Group, UK

Contractor: University College Cork – National University of Ireland - National Microelectronics Research Center

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Project start: 1 January 2001

Duration: 36 months

Web address: http://ilios.cti.gr/e-gadgets/