"When art is a form of behaviour,
software predominates over hardware
in the creative sphere.
Process replaces product in importance,
just as system supersedes structure."

(Roy Ascott, 1968)

The i-500 is an artwork that will perform a vital and integral role in the development of scientific research in the fields of nanochemistry, atomic microscopy and computer modelling, applied chemistry, environmental science, biotechnology, and forensic science. Through dynamic visualizations and sonifications the artwork represents quantitative scientific research as an integral part of the architectural environment. The large-scale visual projections, distributed echo nodes and multiple sonic zones that constitute the art work reveal to the occupants a normally invisible dialogue between researcher and the research community and environment. The i-500 translates dynamic data from the physical and social interactions within the building into a volatile and evolving interactive art work.

The i-500 is a collaborative project between Paul Thomas, Chris Malcolm and Mike Phillips who were commissioned to produce a sustainable, integrated, interactive art work from rich flows of research and general data generated through interaction in the new Curtin University Resources and Chemistry Precinct. This data will be the source material that is reflected through the architectural fabric and surface pattern of the space.

The i-500 project has established an interactive entity that inhabits the Resources and Chemistry Precinct at Curtin University of Technology. The i-500 is a reciprocal architecture, evolutionary in form and content, responding to the activities and occupants of the new structures. http://www.i-500.org: The i-500 website has evolved to reflect the creation process of the project.

To develop an integrated interactive art work that augments the physical architecture with real time data the project team has worked in close collaboration with:

Curtin University of Technology (http://www.curtin.edu.au/),

John Curtin Gallery (http://www.johncurtingallery.curtin.edu.au/),

Woods Bagot Architects (http://www.woodsbagot.com/),

Artsource (http://www.artsource.net.au/)

i-500

i-500 Ingredients:
i-500 Core Server: MySQL, PhP, Flash Engine.
Echo Node Server: MySQL, PhP, Flash Engine.
2 x Projectors
16 x Echo Node (A/V)
5 x Sonic Zones
i-500 Vision system
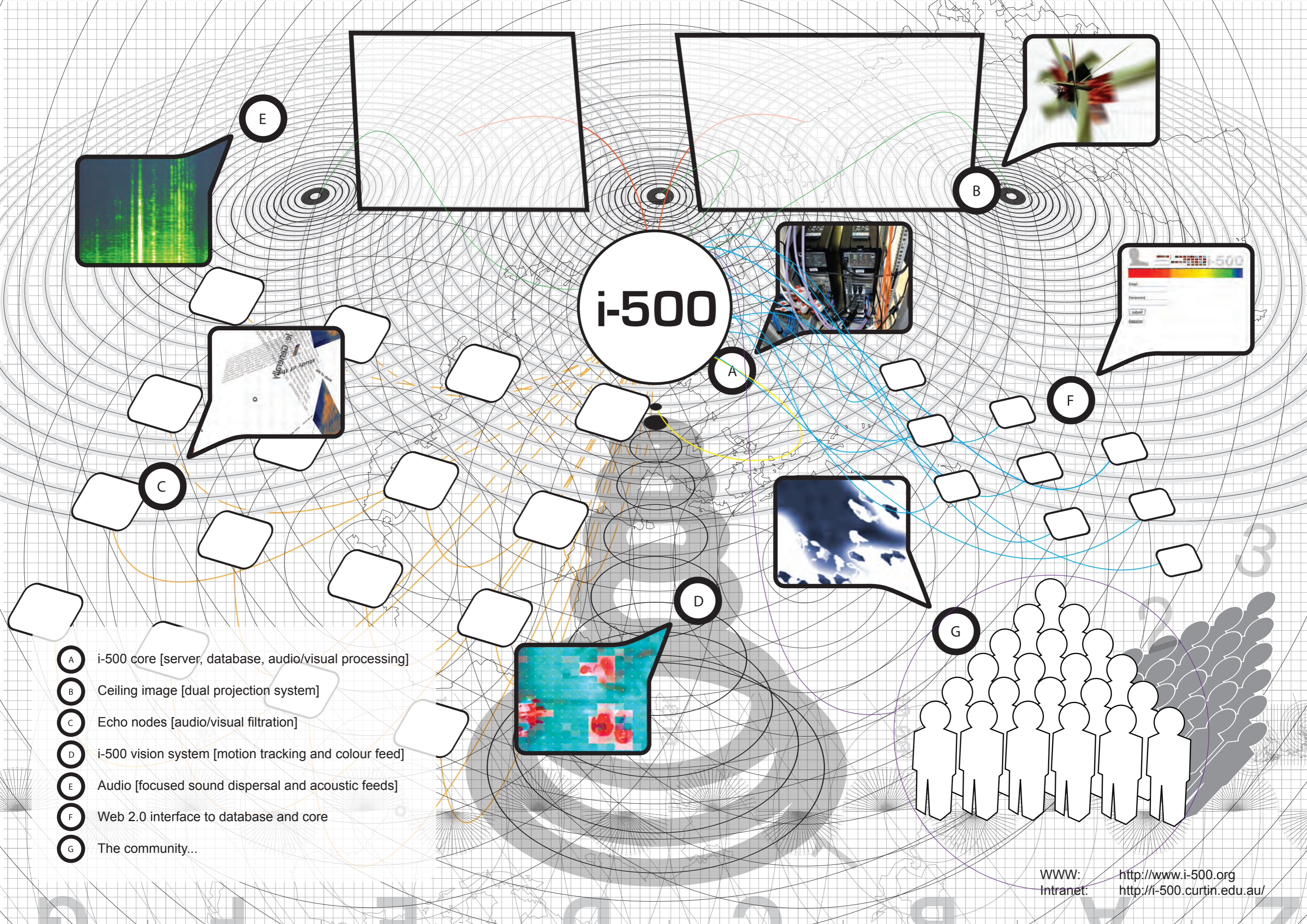CAT6 Network
Code

i-500 Team:
Dr Paul Thomas: http://www.visiblespace.com
Chris Malcolm: http://www.johncurtingallery.org/
Mike Phillips: http://www.i-dat.org
Lee Nutbean: http://www.i-dat.org

CRASH

i-DAT.org   Arch—OS

i-500

A i-500 core [server, database, audio/visual processing]

B Ceiling image [dual projection system]

C Echo nodes [audio/visual filtration]

D i-500 vision system [motion tracking and colour feed]

E Audio [focused sound dispersal and acoustic feeds]

F Web 2.0 interface to database and core

G The community...

WWW: http://www.i-500.org
Intranet: http://i-500.curtin.edu.au/