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architectural design studio - winter 03

## I2T satellite

remote design collaboration

### LEARNING OBJECTIVES

- To develop skills for designing with remote partners
- To understand the structure and fabric of the Frankfurt station urban environment
- To develop human-centered design via tectonics



*painting by Keith Haring*

### DESCRIPTION

Through this joint project, students can learn about communicating design ideas through sharing, incorporating and building on previous work. Oregon students began by designing team live/work modules at an interior room scale, while Wiesbaden students have designed the main I2T complex at an urban scale. Each group can contribute in a different way. In particular, Wiesbaden students need to select and document the location for the mini-I2T center and provide information about Frankfurt's urban design. Oregon students will share precedent studies and module designs on the Web and publish the final web documentation for each group.

During the charette period, partners are expected to make an effort to contact their partners **daily** via the Internet with e-mail, scanned sketches or digital files. Students are encouraged to experiment with communication modes such as instant messaging, desktop video-conferencing, and Internet phone.

### BRIEF

Prior development of the full I2T project center at the Hauptbahnhof, a small prototype would be opened in the vicinity to test the viability of the concept. Your team must locate the prototype to give a prominent expression to the I2T concept and design the demonstration center to showcase innovative team live / work features.

The location for the I2T prototype should provide good exposure to potential clients and a safe environment for guests. The center can be added onto an existing structure's roof or façade or may be incorporated into the city's transportation systems (over roadways, inside the station or subway). The center's placement should respect the sacred green spaces and zoning..

Your task is to design the exterior expression, structural concept and typical floor plan and section for this prototype center and build a model (either at Eugene or Wiesbaden). The team should define the kind of team social situation that the center accommodates. It should include the following:

- Work facilities for 14 guests with sleeping accommodations for 7 guests.
- Provide for reception, bathing, cooking/eating, lounge & other necessary amenities as appropriate to your idea of group interaction.

## REQUIREMENTS

- Explanation of design concept (bullet point text and diagrams)
- Diagrams showing how room types could be used for different sized groups
- Diagrams showing structural framing
- 3-person module 1:50 plan and section
- Facade in context 1:50
- Sketches showing exterior approach, work area, sleeping facility, tectonic ideas
- Model at 1:100 or 1:50, documented on web

## SCHEDULE

Mon Jan 27: Introductions: Contact partners by e-mail, exchange face images  
Wed Jan 29: : Work shared: previous studies & ideas for satellite site, design  
Fri Jan 31: Drafts posted: post scanned sketches, negotiate direction  
Mon Feb 3: Final posted: webpage summarizing project

## RESOURCES

Steelcase Corporation

<http://www.steelcase.com> > Tools and Insights > Groups and Teams

Design Collaboration Strategies, Nancy Cheng

[http://darkwing.uoregon.edu/~design/nywc/pdf/cheng-kvan\\_sigrad.pdf](http://darkwing.uoregon.edu/~design/nywc/pdf/cheng-kvan_sigrad.pdf)

Virtual Design Studios, Mary Lou Maher

<http://www.arch.su.edu.au/~mary/VDSjournal/index.html>