



Graz, A

## AIRCAT – Lighter Than Air

Thomas Friessnegg



Aircat is a floating recreational facility, a platform that can be used as a launching pad for sports like hanggliding, paragliding, bungee jumping or parachute jumping. Technically, the Aircat is a helium-filled captive balloon. A second, smaller captive balloon functions as an elevator to bring passengers up to the station. Like the elevator balloon, the Aircat can be winched down for maintenance. The hangar is planned on a pontoon in the middle of an artificial water basin so that the hall veers with the wind like a boat on a buoy and the Aircat can be safely hauled down into the hangar.

## Office Building

Clemens Rainer



The special facade structure tries to meet climatic and aesthetic requirements. The object can be extended in individual or multiple steps. Sloping facades respond to the seasonal variation in sunlight incidence and retain, with their strong individual character, the unique appearance of the object, irrespective of total volume or variant chosen.

The structure of the facade acts like a giant sunblind which automatically opens to the low winter sun and closes against the higher summer sun, without the use of any mechanism. Intense light is directed towards the ceiling and from there reflected into the depth of the rooms. From a distance, the building appears transparent. As one approaches the main entrance, the facade gradually closes to become pure wood. This creates intimacy for the inner spaces. Wood as facade material is presented in an unusual way: it draws attention to itself, advertising its own worth – it is more than just cladding.

## House K

Clemens Rainer



The form of the house is informed by aesthetic, economic, and ecological criteria.

It responds to the sloping site. We give special consideration to wood-construction details and shapes to transform traditional values into new ideas of appropriate architecture.

## ONION SYSTEMS – A Construction Technology for the Future

Thomas Friessnegg



This project introduces a new construction technology which aims to facilitate industrial production of every conceivable architectural form (free forms) as prefabricated finished parts. The process is based on computer-controlled milling of freely assemblable components from disks of wood, metal, stone or synthetic materials.

