

Sir Nicholas Grimshaw

Grimshaw Architects

“Do I look seriously concerned in this photo? Because that is what I was going for..”



Grimshaw Architects

Founded in 1980

The practice became a partnership
in 2007

Designed projects all over the
world- US, Australia, London

Implements a lot of complex
technological systems

“Ultimate goal is to design buildings and
environments that work, inspire people, and
transform communities”

-Grimshaw



Full Sustainability

What does it mean to be sustainable this day and age?

“Buildings will be some form of sustainable by default”

-Grimshaw

where do we draw the line?



standard

non standard

energy uses

land use planning

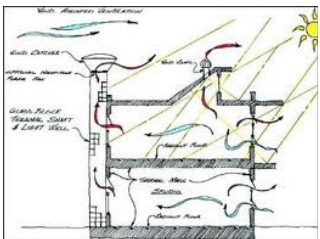
energy sources

material sources

passive systems

maintenance- life expectancy

relationship to everyday
usage



The
CON
Of Grimshaw

The Itty Gritty...

The Eden Project

Cornwall United Kingdom

Large visitor attraction/ educational

2000

23000 sq m

3 massive biomes home to several thousand of plant species from all over the world

Tropical, Mediterranean, Outdoor Biome

Tropical, Mediterranean, Outdoor Biome



The Eden Project

Thousands of plants- Unative

200 feet tallest biome

built on unstable ground

Clay pit

2000 anchors

40 foot min. driven anchors

different methods for this project

food supply? large gardens

living machines?

thousand panels-thermal plastic

maintenance

2000 parking spots



Frankfurt Trade Fair Hall

Frankfurt, Germany

2001

85,000 sq m of exhibition space

clearstory glazing

165 m span

Steel tube system

Ventilation ducts



Frankfurt Trade Fair Hall

Expressive structure

huge volumetric space

60 different panels

to save costs??

Solar panels?

orientation

Huge parking area



Southern Cross Station

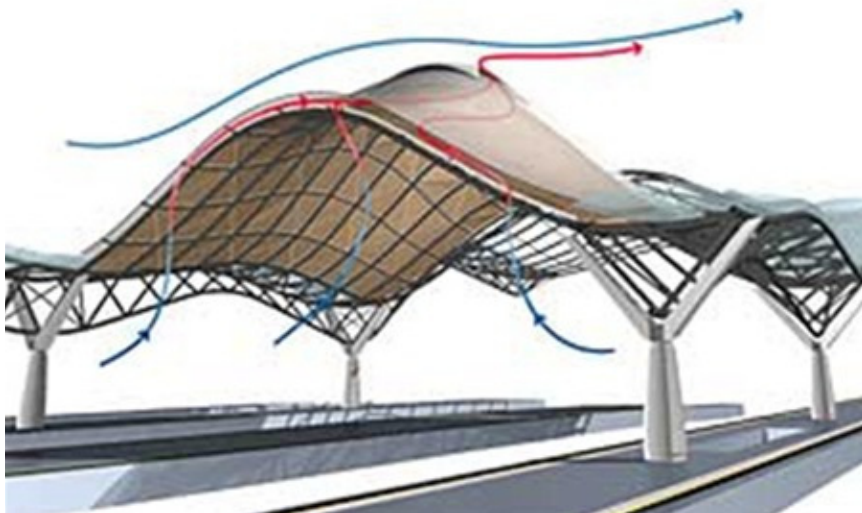
Melbourne, Australia

2007

60,000 sq m

ventilation design

deisal fumes



Southern Cross Station

pricey roof?

vegetation roof

solar panels

exhaust tubes??

relationship to everyday usage

fumes

heat gain from the window openings?

“Someone should talk to the people who have to work at Southern Cross station about the diesel fumes that don’t get expelled from the station. I regularly use the station and am appalled at the level of diesel exhaust that I am exposed to at times. Some workers have been physically ill from the exposures and no-one wants to take responsibility because it is ‘an award winning piece of architecture’. Pity it doesn’t work properly”-keith loveridg



Nicholas Grimshaw

beautiful looking projects

extensive structures

integrated systems

lot of glass facades

memorable structures

but what kind of remembrance?



buildings will be some form of sustainable by default--

mainly systems

How are they implemented and integrated with everything else??

ie- the little things



Nicholas Grimshaw?

Is he a sustainable practitioner?

Is he a full sustainable practitioner?

I THINK NOT!

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