

Projection

W21 Projection

The Living Rain Forest Meeting room

Ambient lighting levels, Kit, Goo

Problem

- Small building large meeting room
- Uses lots of natural daylight to reduce use of artificial lighting
- Lots of glass walls and glazed eaves and rooflights both sides of room
- Well lit room creates projection difficulties
- Some harsh contrasts looking out
- But no sunlight into space





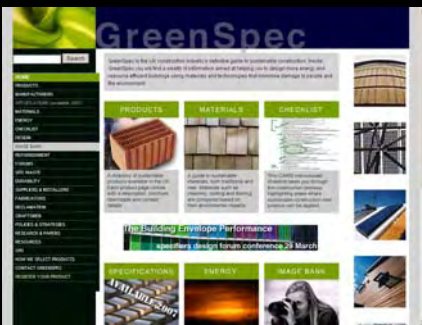












Solution

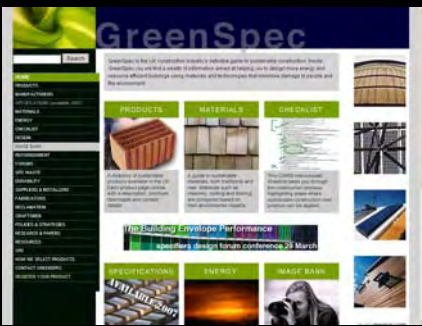
- Fixed projector ceiling-mounted
- 6000 luminaire projector (<2000 normal)
- Painted projection screen on wall
- Screen Goo System paint
- Base coats: reflective,
- Top coats: diffusive, colour correct



9:40

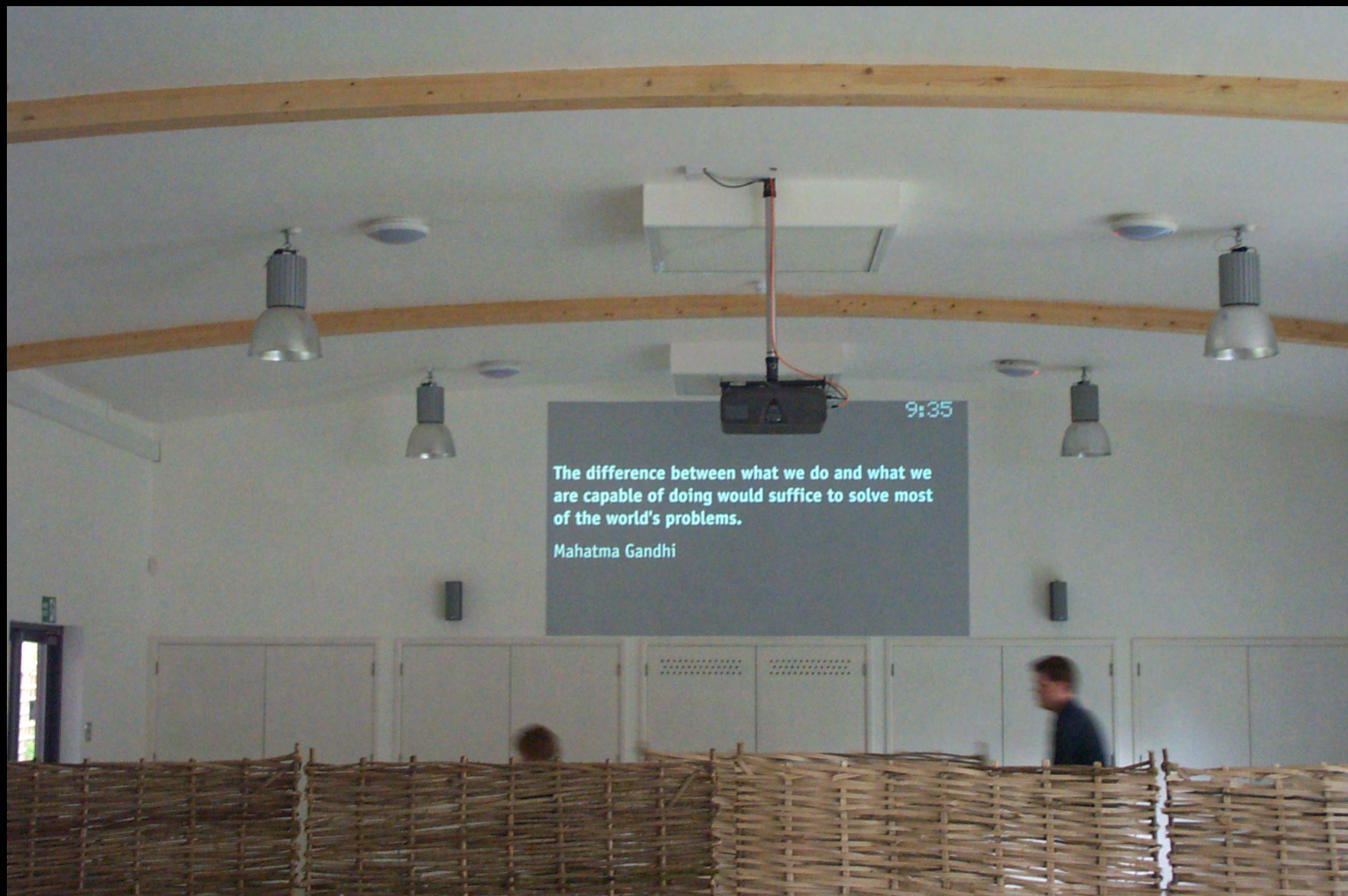
The difference between what we do and what we
are capable of doing would suffice to solve most
of the world's problems.

Mahatma Gandhi



Screen Paint:

- Type: water-based, acrylic-emulsion,
- Viscosity (poise) range: 200 -675
- Function: to accurately reflect and disperse the complex coloured light patterns produced by video projectors.



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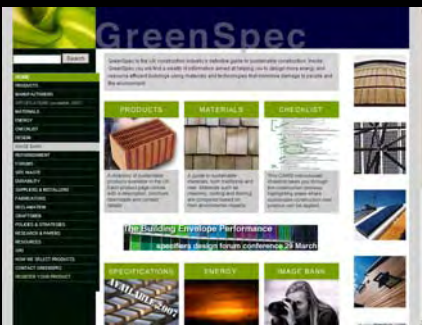
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Performance characteristics:

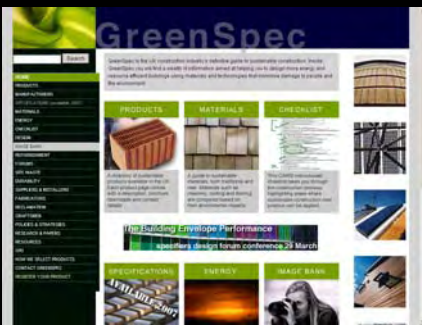
- very low light absorption,
- high reflectivity
- Minimum light loss to ensure colour fidelity,
- high concentrations of pigment.
- Colour accuracy
- Wide viewing angles
- High colour contrast
- A sense of image depth, or feeling of looking into the picture





Pigments:

- pigments accurately reflect the full spectrum of colour produced by video projectors,
- pigment treatment techniques maximize the reflective properties of the pigments.



St Davids

- Glazed both sides
- Low level glass wall NE, N, NW
- high level clerestory SE, S, SW
- High daylight levels
- Sun penetration long periods of day
- Difficulty projecting





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National Park
CENTRE

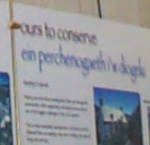
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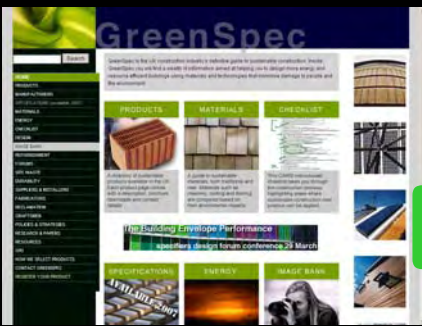
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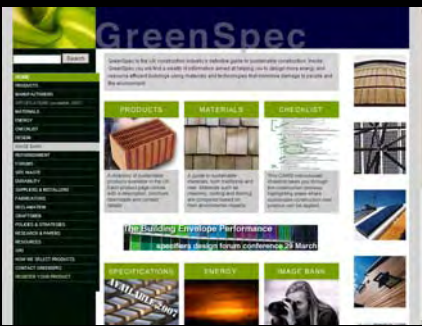
BUS AND CYCLE ROUTES
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Building extension

- Café and shop in existing building
- Art galleries with new rear extension, few windows and low natural light
- Education and Artists room similar conditions to existing building



Solution

- Goo Specified
- Blackout blinds specified
- Large interactive touch screen and printout LCD screen Specified
- Goo no longer required
- Watch this space