

Can we do better ?

Anthony Wilson. June 2010.
Green Buildings = better quality of life.

Content

- Chinachem
- Our progress
- Corporate Social Responsibility
- Some Examples
- Questions

An aerial photograph of a mountain valley. The foreground and middle ground are dominated by vibrant green terraced agricultural fields, likely rice paddies, which are carved into the slopes of the hills. A small cluster of buildings, possibly a village or farmstead, is visible on the right side of the valley. The background features more mountain ranges partially obscured by thick, white mist or low clouds. The sky is a clear, light blue. The overall scene depicts a lush, mountainous agricultural landscape.

Agricultural Land

Chinachem

- Purchased agricultural land.
- Sourced agricultural products and chemicals to improve the land yield.
- Successfully bought and developed land especially in the N.T.

Developed land



One of the first Projects



新發
新發建築工程公司
新發建築工程公司
新發建築工程公司

聯合
聯合工程公司

Loeks
洛斯潤滑油

Today

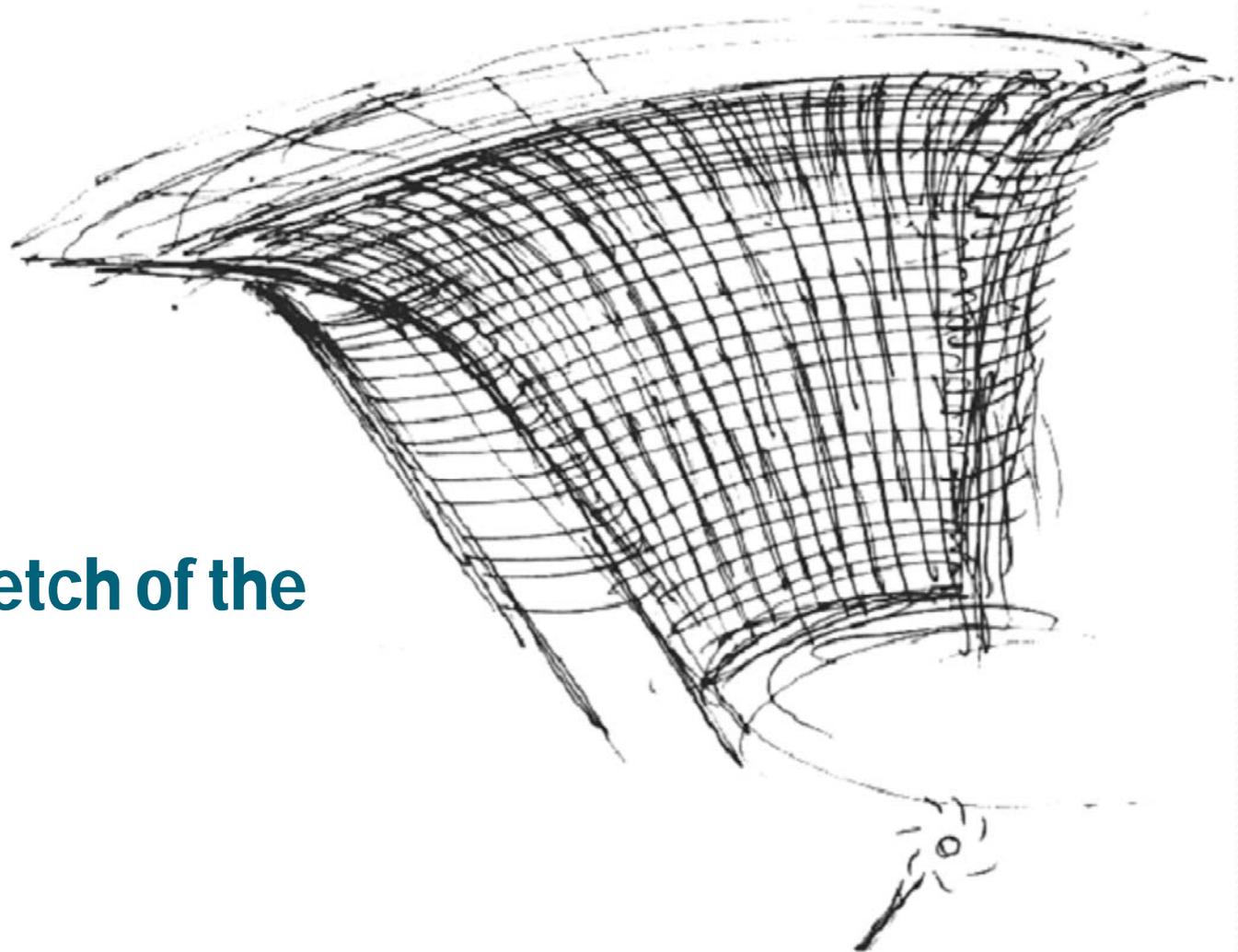
- Multifaceted private company with many interests.
- Large existing and new property portfolio.
- Residential, Industrial, Retail and Hotels.

Le Billionnaire

Direction

- Creating a new image.
- Seeking a more sustainable future.
- Planning to provide healthier homes and buildings in future.

Concept sketch of the
Lily



A scenic view of a coastal city, likely Hong Kong, featuring a crowded beach in the foreground, modern high-rise buildings in the middle ground, and a large green mountain in the background under a clear blue sky. The text '129 Repulse Bay Road' is overlaid in white on the right side of the image.

129 Repulse Bay Road

Office Tower and L'hotel Nina



Asian House



ASIAN HOUSE

MARC JACOBS

ASIAN HO

Building Certification

- USGBC LEED certification.
- HKGBC BEAM+ certification.
- Four new projects and one major renovation project have LEED consultants appointed.

Green Building Memberships



HKGBC
香港綠色建築議會

Energy Efficiency

- Energy Efficiency study for L'Hotel Nina awarded to ERM.
- Working with CLP for long term partnership.
- Installing more efficient light fittings.
- In future want O and M, LCC studied.

Renewable Energy

- Meetings with solar providers.
- Change sketch design for metal roof to solar panel roof, use power for mall lights.
- Consider solar on future renovation projects.

Fossils



Fossil Garden Nina Tower



Materials

- Timber from sustainable source.
- Try to use materials from within 500 miles.
- Reuse, recycled materials, low VOC content, design out wastage.

Use of Timber



Water Efficiency

- Water efficient devices, dual flush, auto sensors etc.
- Possible reuse of condensate water and rainwater for irrigation where suitable.

Water Saving Shower Heads



Tri Spa



Take Care of

Water use in Future

Environmental Policy

- Env. Policy comes under CSR.
- Consultant CO2nnsulting appointed .
Dr. Conn Yuen.
- Policy information collected.
- Draft expected by end July.

The Building of Shelter Consumes,

- One-sixth of the world's fresh water supply,
- One -quarter of wood supply,
- Two –fifths of fossil fuels and manufactured materials.

Extracted from Green Architecture by James Wines.

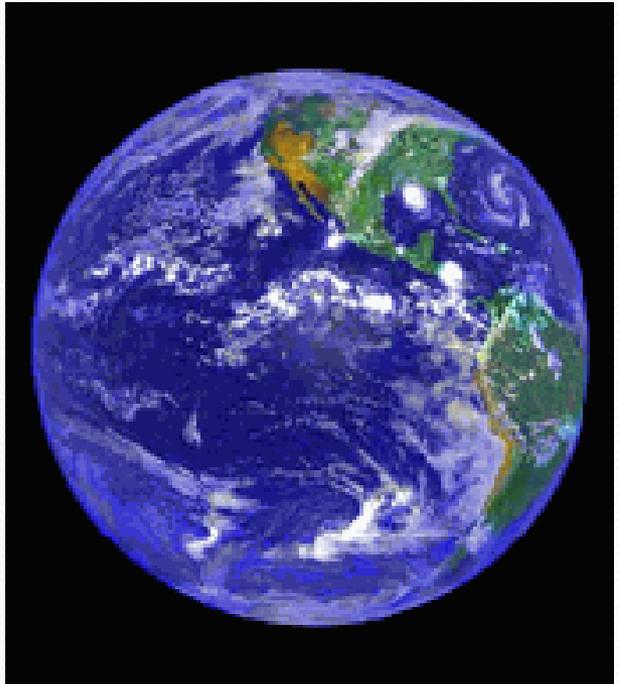
Shelters



Corporate Social Responsibility

- Essentially CSR means including the public interest in the decision making of the company and honoring the triple bottom line of people, planet and profit.

Planet



People



and Profit



Sick Building Syndrome

- Multi sickness symptoms.
- Feel better when out of building
- Can be caused by lack of air change, high humidity, moulds, fungi, bacteria, chemicals, voc's.

Statistics

- In 1998, the loss of productivity from SBS was estimated at US \$180 billion.
- 20% improvement in health numbers = \$5 to \$75 billion annually in the US.

Provide Shelter



Provide Schools



Provide Education

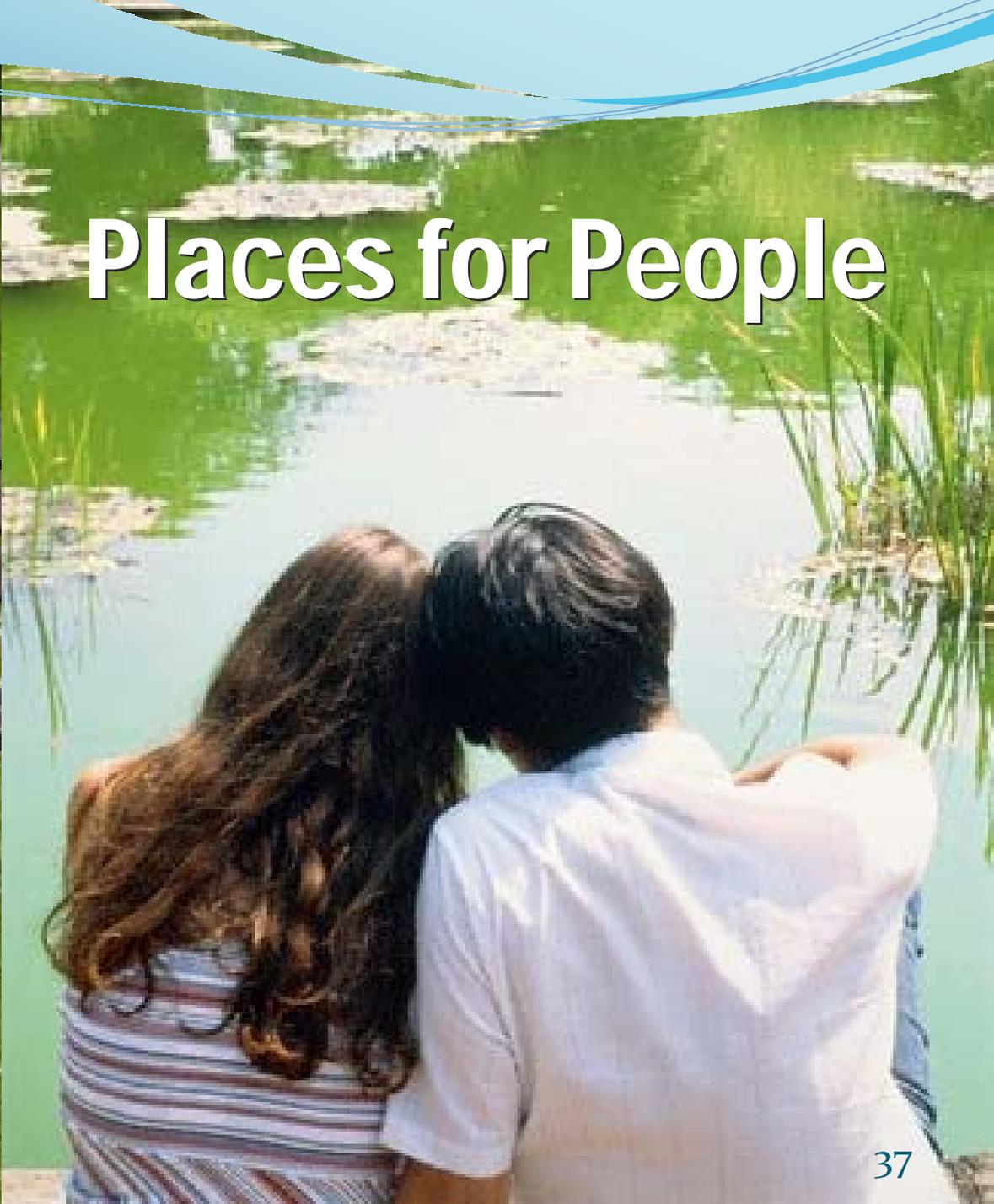


Train Teachers



Spaces between Buildings





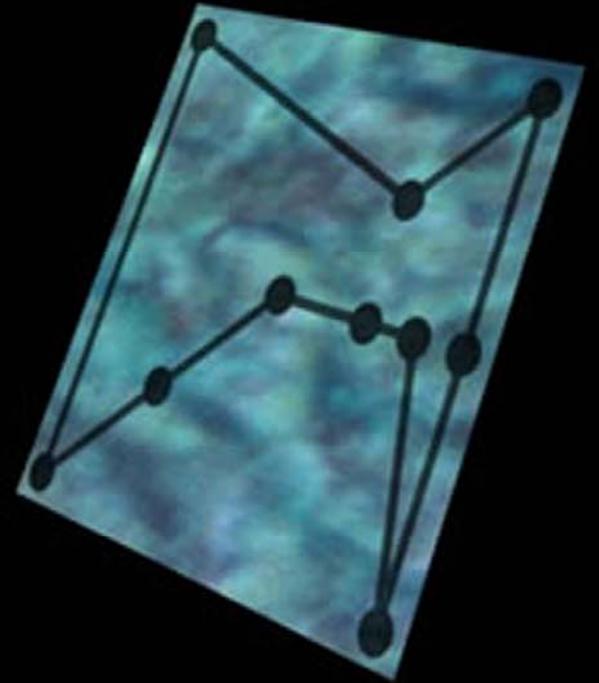
Places for People

Contributing to the Community



GROUND FLOOR PLAN

Questions



Renewable Energy

- We have the chance to use
- Solar power,
- Wind power and
- Water power.
- Why can't we use more?

Solar Panels on Land



Solar Panels Fixed on Roof



Solar Panels used as Roof



Solar Panels used as Shelter



Water Power



Water Power





Wave Power



Windmills in Holland

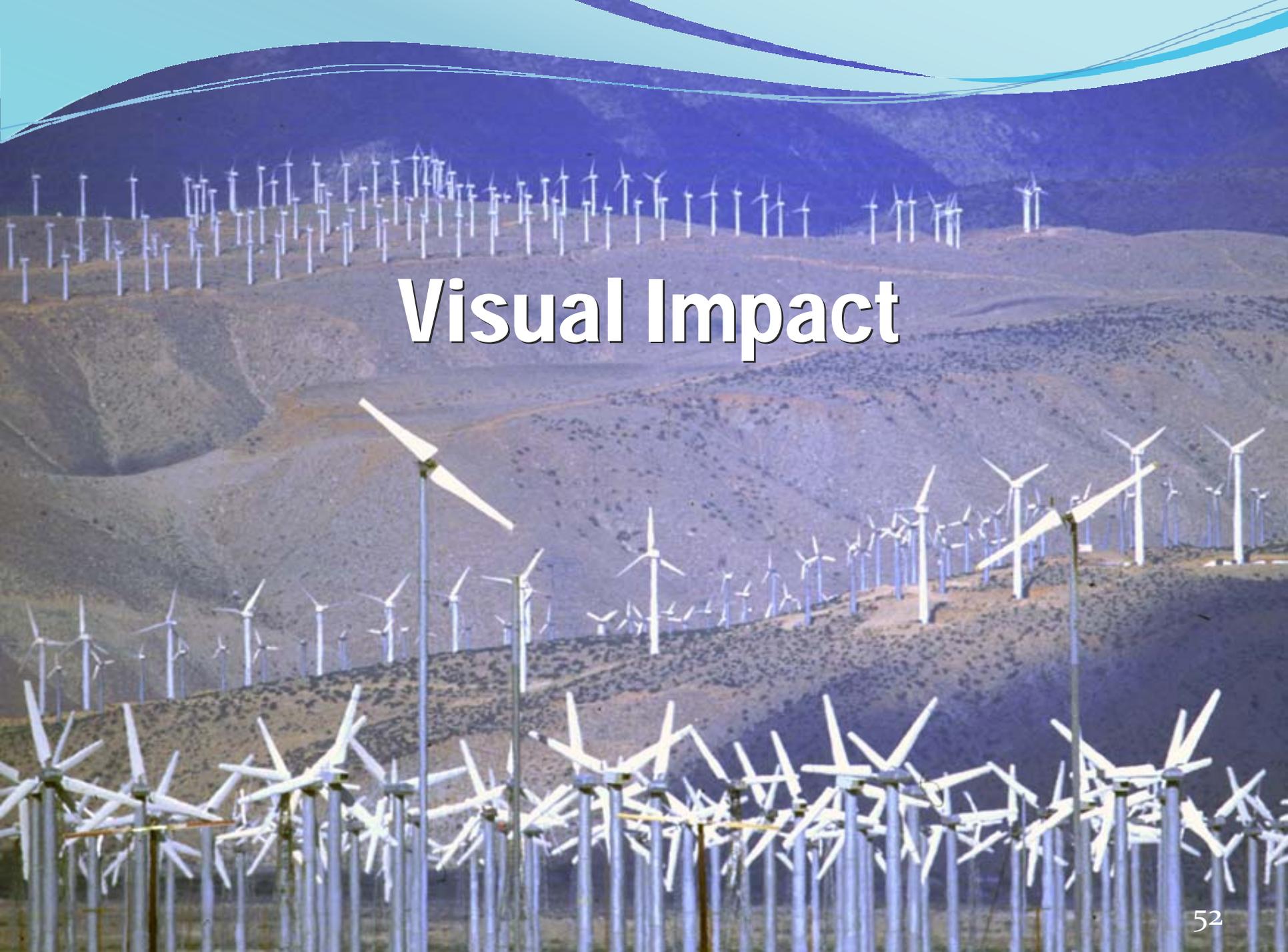


Wind Power



An aerial photograph of a wind farm situated on a rolling green hillside. The landscape is lush with grass and some trees. A series of winding, unpaved dirt roads snake across the terrain, connecting a line of white wind turbines. The turbines are spaced out along the ridge. In the background, more hills are visible under a sky with soft, golden light, suggesting either sunrise or sunset. The overall scene illustrates the logistical challenge of accessing remote locations for renewable energy projects.

Access is Required

A photograph of a vast wind farm in a hilly, arid landscape. The terrain is brown and rocky, with numerous white wind turbines scattered across the hillsides. The sky is a clear, light blue. The text "Visual Impact" is overlaid in the center of the image in a large, white, bold font with a black outline.

Visual Impact

Smaller Wind Power





**Alexander
"Greek"
Thomson.
1817 to 1875
Victorian era
Scotland . UK.**

Lasted over 100 years.



Why can't we have Clean Water?







Old and Valuable Tree Problems?



Autumn Leaves

Maintenance

A photograph of a brick pergola in a garden. The pergola has three brick pillars and a wooden top with vines growing on it. The garden is lush with green plants, including large green leaves in the foreground and a brick path leading through the garden. The word "Maintenance" is overlaid in white text on the left side of the image.

Importance of Landscape.



Why don't we have more

Integrated Designs?

- Should be from idea stage.
- Include environmental consultants.
- Include specs in the Briefs, Designs and Tenders.
- Integrate , build and measure.

Inside Outside Space



Bamboo House Courtyard





**We can
Design
to
Minimize
Cutting/
Waste.**

Review Regulations ?

- Limit on numbers and sizes of balconies.
- Restrictions on tree planting along EVA's.
- Other improvements needed.

Add in Balconies!





Try to Reuse Materials

Reused Materials.



Recycled Paper Bin



Recycled Traffic Signs



Recycled Microwave???



Lets help our planet and our people
in the **FUTURE** as best we can.



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