

# Can we do better ?

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

# Content

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



# 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





# Today

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

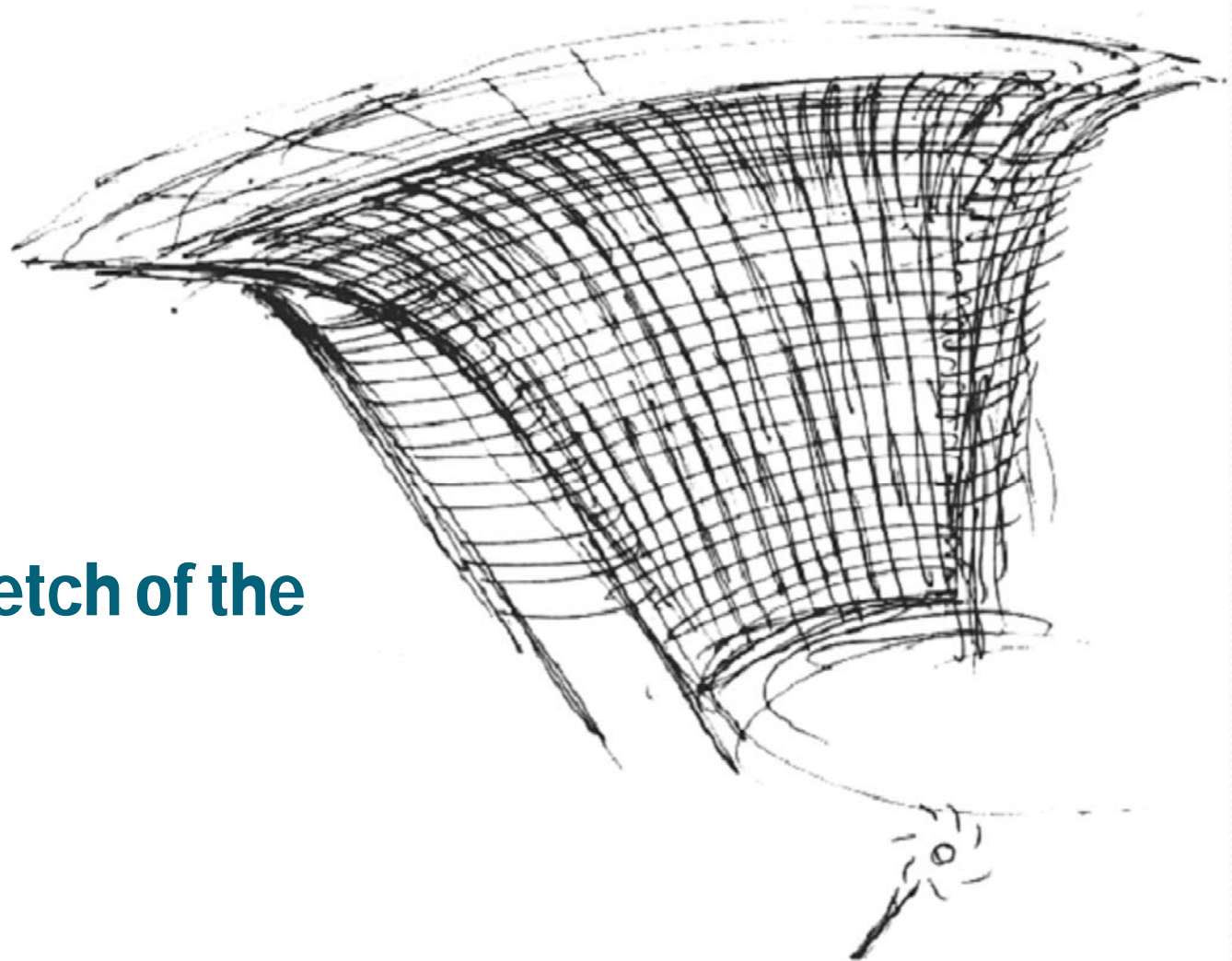
# Le Billionnaire



# Direction

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

# Concept sketch of the **Lily**







# 129 Repulse Bay Road



# Office Tower and L'hotel Nina





# Asian House





# 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





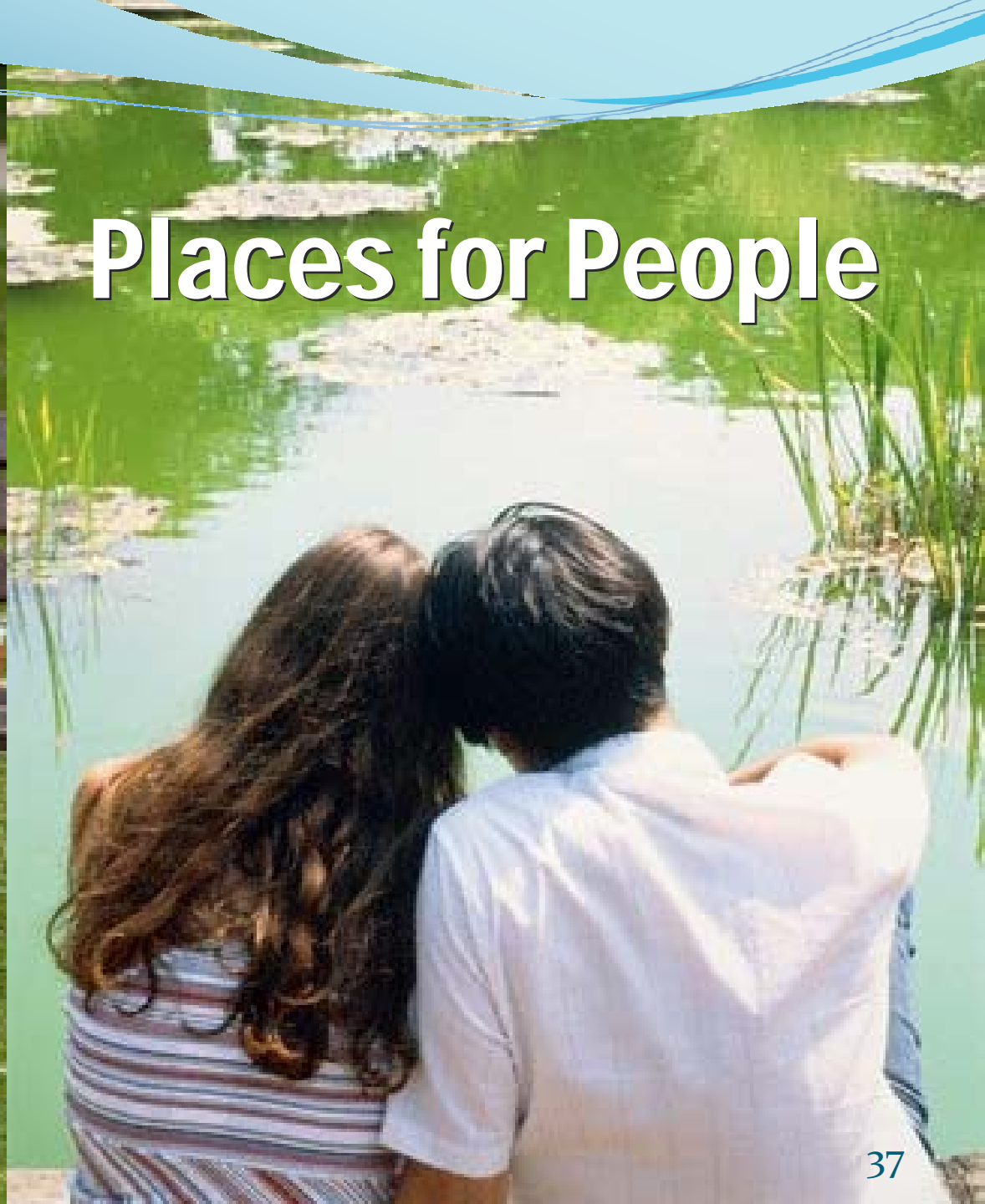
# Train Teachers



# Spaces between Buildings

A photograph of a busy pedestrian walkway between modern buildings. The walkway is paved with grey cobblestones. On the left, a building with a distinctive, angular, light-colored facade is visible. On the right, a modern building with large glass windows and white columns is seen. Several people are walking along the path, including a man in a white shirt and black pants, a woman in a dark top and black pants, a man in a green shirt and khaki shorts pushing a stroller, a woman in a pink shirt and white skirt, and a man in a white shirt and dark pants carrying a bag. There are trees and blue banners in the background. The sky is clear and blue. The overall scene depicts a vibrant urban environment with a focus on pedestrian spaces.





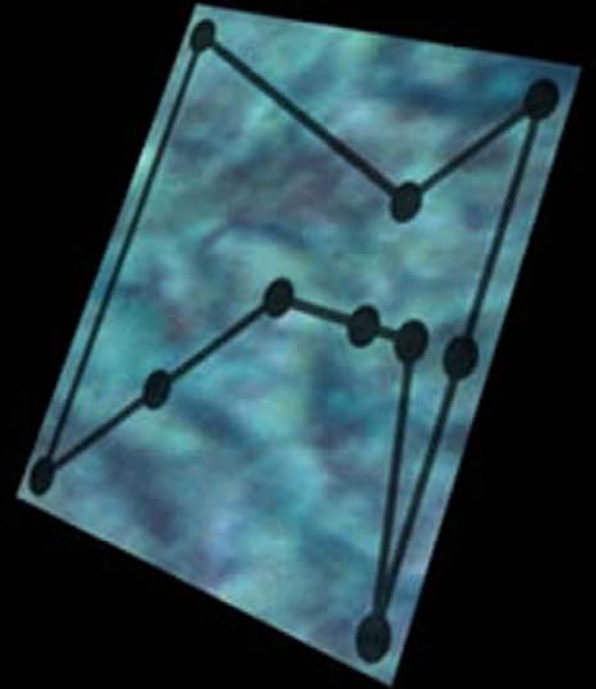
# Places for People

# Contributing to the Community





# 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





# Access is Required



A photograph of a vast wind farm. Hundreds of white, three-bladed wind turbines are distributed across rolling, arid hills. The turbines are densely packed in some areas and more sparse in others, following the contours of the landscape. The sky is a clear, pale blue. The overall scene illustrates the visual impact of large-scale renewable energy infrastructure.

# 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





# Importance of Landscape.





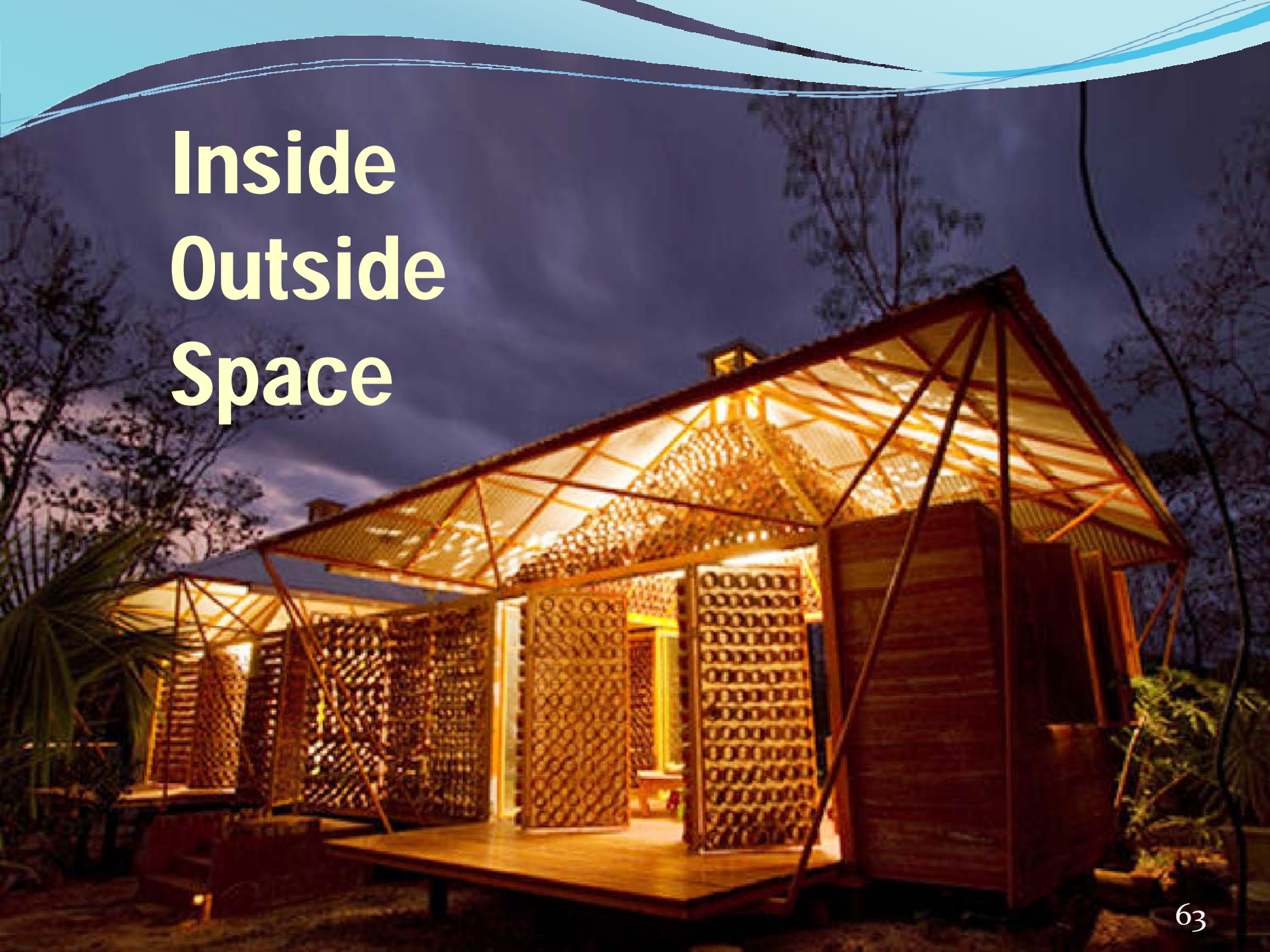


Why don't we have more

# 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.





# Contacts

Chinachem web page  
[www.chinachemgroup.hk](http://www.chinachemgroup.hk)

Antonywilson@chinachem.com.hk  
**Please visit our booth**