

# INNOVASIANS

*Engaging Biodiversity ..*

## Inno-Hospital 2013

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# INNOVASIANS

*Engaging Biodiversity*

## B A C K G R O U N D



Innovasians Ltd is a development and manufacturing company located in Hong Kong with regional offices in Shenzhen and Shanghai as well as international offices through-out the globe. The majority of Innovasians' business is the development and manufacturing of eco lifestyle products, garments, home textiles and amenities through '**responsible**' supply chains.



Innovasians Ltd was founded in 2004 by Lizette Smook. Innovasians has a full service staff that can conceptualize, source and ship our client's products to meet our client's needs.



Our '*niche*' product is organic textiles with '**organic chic**' and '**eco natural**' appeal. We also focus on all aspects of sustainability from manufacturing and waste reduction to biodegradable consumables. We support responsible supply chains as well as FLO (Fairtrade Label Organization) and CSR (Corporate Social Responsible).



Our staff includes technical experts in the field, merchandising and marketing support. We also manage our in-house quality management inspectors who monitor and check every shipment.



Innovasians Ltd works closely with its customers to design the best strategy on product and country sourcing for their business. We assist our customers with all aspects of sourcing and production from identifying sourcing strategy to its production and packaging, through to inspection and shipment. Through extensive local knowledge and talent combined with over 25 years of technical expertise, Innovasians is the 'bridge to Biodiversity'.



## Welcome to INNO-HOSPITAL collection

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### The biodegradable mate-

### rials



Wheat Straw Products



Rice Husk Products



Recycled Plastics Products



Bamboo Products



Oxo-biodegradable Products

# Hospital Equipment





# Hospital Equipment

The Wheat Straw containers are low-cost and environmentally friendly. Agricultural wheat straw undergone a high temperature deformation process, with "pressure molding", into products widely used in medical devices, instrument housings, electrical enclosures, pet trays, the advertising industry, decoration industry and furniture accessories.

Innovasians believes this is the industrial revolution of natural raw materials ( also a by product from the agricultural industry), sourced to reduce costs and carbon with additional environmentally friendly footprint leading to a huge marketing value.



The replacement of stainless steel or enamel equipment is urging and the maintenance of those have become costly, to say the least with sterilization and autoclaving being a costly and essential part of sustaining the standards of hygiene . These are now replaced with sustainable and disposable equipment made from what straw and sold to the Hospital Authority in Hong Kong at a measurable saving annually.



\* Products can be made into any color desired, except white.

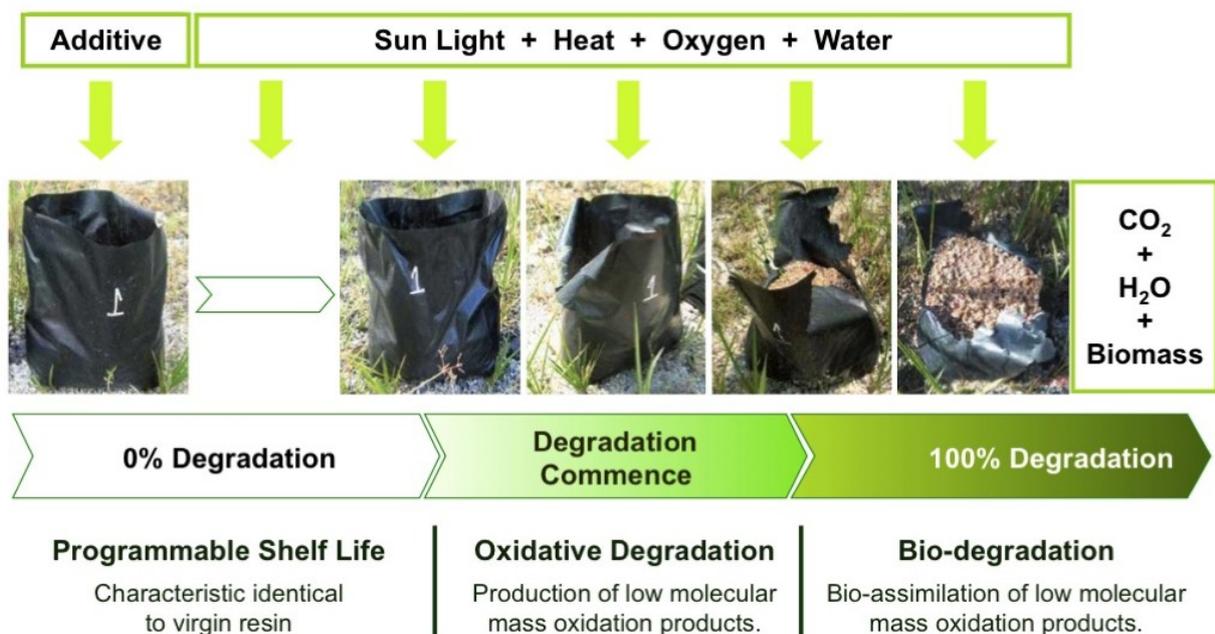


# Oxo-biodegradable bags

Oxo-degradable products offer a real solution to the over-usage of plastic bags. It is an additive that create a chemical reaction; which breaks down the carbon to carbon bonds in the plastic material, lowering the molecular weight as part of the degrading process.

Oxo-degradable products do not need a biologically active environment to degrade, unlike other typical "bio-degradable" products. So it is more environ-

Regular plastic Product	Modified Plastic Product
Not Degradable	Oxo – Degradable
Recyclable	Recyclable
Material: PET / PE / PP**	Material: PE / PP***
Unfriendly to Environment	Friendly to Environment





## Dispensary bags

- re-sealable ziplock
- available in various sizes

## Other oxo-biodegradable products



# SaniPod Sanitary Disposal System

- Revolutionary design in hygiene



- Unique opening simplifying disposal of waste
- Minimize sight of waste
- Eliminate unsightly soiled surfaces and trapping of sanitary waste
- Allow greater compaction within the cylindrical container
- Promote better space-utilization with the wall-mounted design



SaniPod-Auto



SaniPod-Manual



SaniPod-Wrap



**Exclusivity and  
References  
available**

# Staff Uniforms



# Low-carbon, Snag-free Towels and Linens





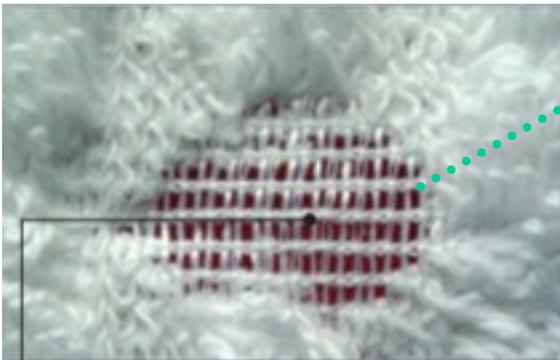
# Low-carbon, snag-free towels and linens

Show your perseverance in 'going green' by using the low carbon towels!

- reduced drying cycle (30% quicker, saving 30% in energy and carbon.)
- cut your towel budget by **50%** as the lifespan of the towel is doubled.

Special engineered weaving method:

- Woven with 20% Polyester (can be RPET—recycled polyester) inside. There is NO skin contact with the polyester as it is INSIDE the towel
- Non-snag
- Lifespan increase 2-3 times over regular towels
- Minimal shrinkage due to the polyester – no 'bottleneck' effect or deformed towels!
- Increases client laundry capacity as a result of quicker drying times
- Both are in cotton and can be manufactured in bamboo and blends as well



Open base construction reduces wash/dry cycle. (30%)

Loops knitted into base to prevent snagging. (due to polyester 'inner')



**!** Double life-span  
Save 50% cost

## Innovasians' LC (Low Carbon) Towel

80% Cotton  
20% Polyester

## Industry STD Woven Towel 100% Cotton

Towel Characteristics	O TEX Wash Cycle		Conventional Wash Cycle	
	Knitted	Woven	Knitted	Woven
% Moisture retained after laundering	51	60	55	66
Time taken to dry (mins)	25	34	30	43

### Low Carbon Footprint Towel Savings...

- Savings derived from using LC Knit rather than Woven on OekoTEX system.....**26.5%**
- Savings derived from using LC Knit rather than Woven on Conventional system.....**30.2%**
- Savings derived from using LC Knit and OTEX rather than Woven and Conventional.....**41.9%**



# Disposable Intimate Apparels





# Disposable intimate apparel

Disposable underwear are normally made from polypropylene. Innova pioneered biodegradable disposable intimate apparel made of bamboo fiber—exclusively tailored for one-time uses.

This is an unique product! And environmentally friendly!

Available in:

- Bra tops
- Bottoms
- Boxers
- Ropes
- Any other designs..



# Meal-service





# Wheat straw mealsets

In the food preparation area in most institutions around the world, largely polystyrene or Styrofoam is still in use. The Styrofoam is toxic especially when food is reheated or micro-waved or stored for prolonged periods in the containers.

Wheat straw packaging is available in a variety of shapes and sizes and is used widely in the fast food and food preparation industry.

Non-toxic, solvent free and made from wheat straw, these containers are not only used for medical equipment but also for food preparation. 100% sustainable and bio-degradable!

Environmental  
Bio-Degradable  
Organic Agriculture – by  
product  
Of the Best on The World

微波爐  
Microwave
 焗爐  
Oven +150°C
 油溫  
Oil +250°C
 洗碗碟機  
Dishwasher
 冷凍  
Freezer -40°C
 循環使用  
Re-use

FBW 165  
800ml

FBW 220L  
FBW 220  
1500ml

Bowl

Environmental  
Bio-Degradable  
Organic Agriculture – by  
product  
Of the Best on The World

微波爐  
Microwave
 焗爐  
Oven +150°C
 油溫  
Oil +250°C
 洗碗碟機  
Dishwasher
 冷凍  
Freezer -40°C
 循環使用  
Re-use

FCP 12

FCP 08

FCP 09

Cup



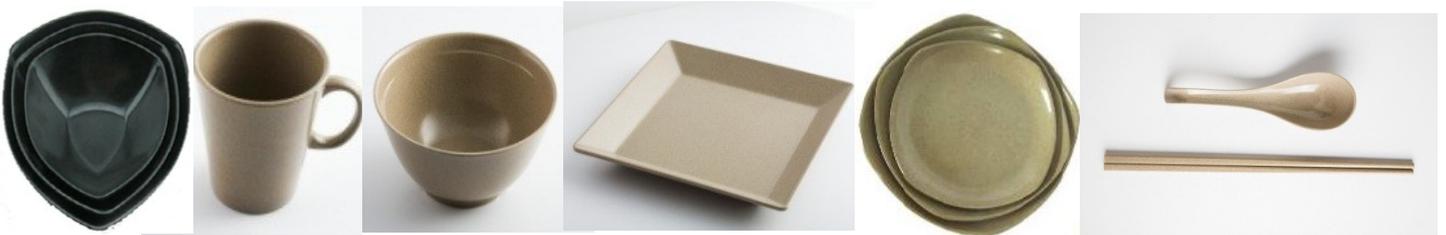
# Rice-husk meal sets

Rise Husk Mealset can be utilized in the canteens to show your care for food safety. Rise husk is just the right substitute for melamine, which is used due to its flexibility, durability, and cost. We all read about the scandal with melamine powder in the baby formula in China some 3 years ago and the related kidney and liver diseases that erupted from the use of melamine.

Yet we all are enjoying a meal in a canteen or food court where we are fed from a melamine dish that are more than likely had been micro-waved and has melamine released into our meal.

The safe and non-toxic replacement for melamine and is solvent free, formaldehyde free and melamine free is made from rice husk (the skin from rice in cleaning the rice for consumption)

	Melamine	Rice Husk
<b>Toxicity</b>	High	Non toxic
<b>Potential damage</b>	Can damage your reproductive system	Safe to humans
<b>Microwaveable</b>	No	Yes
<b>Biodegradable</b>	No	Yes
<b>Effect on the Environment</b>	Harmful	Low environmental impact



# Laundry: Water-soluble bag



# About plastic bags

Laundry bags are generally made of polyethylene, which is a petroleum derivative. Being barely recyclable, the bags are discarded after use. The discarded bags accumulate in landfills or enter the marine ecosystem. The worldwide manufacture of plastic bags consumes energy equivalent to vast amounts of oil per day.



Not only does the production of plastic bags waste valuable energy, it also threatens the lives of many aquatic species. At least 267 marine species have been adversely affected by plastic marine debris and it is the cause of suffering and eventual death for vast numbers of marine mammals and turtles each day.

# Water soluble bags

SARS in 2003 was a deadly outbreak of a flu type organism and more recently with bird flu, hand-foot-mouth disease (HFMD) and H1N1 flu. People are more concerned about the threats of microorganism contamination.

Laundry staff were infected by SARS, there was one death in Taiwan in April of 2003 and a compensation payout of 7.48 million New Taiwan Dollars. Since then many countries have implemented management control standards for linen laundering. These new standards aim to reduce the risks which were previously encountered at all stages of the laundry process - including linen collection, conveying, sorting, washing, drying, folding and delivering.

Using our Laundry Bags can:

- prevent infection of operating staff
- Reduce environmental damage





## Health Protection and Inspection Prevention

Large amounts of contaminated (by excrement, blood, pathogen, etc.) articles such as medical instruments, bed sheets, linens and treatment articles are generated in hospitals. Such contaminated articles are occupational hazards to the staff of the hospitals. The best way to handle these contaminated articles is to isolate them immediately so that the risk of cross-infection between patients, hospital staff and the public can be minimized.

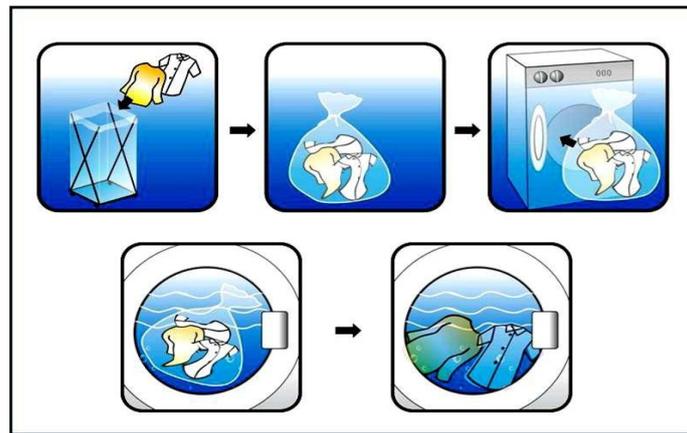
Water soluble medical disposal bags for infection control including fully water soluble laundry bags, soluble strip bags and medical instrument disposal bags are mainly used to collect the contaminated medical instruments, medical gowns, patient bed sheets and other linens.

### Benefits:

- Avoids direct contact between the contaminated content inside the bag and the operator until the washing and drying cycle is completed, thus minimizing cross-infection and spread of germs.
- Eliminates the need for the traditional treatment of the waste by expensive and potentially hazardous incineration or burying.
- Greatly improves the hygiene of working environments, reduces workplace tension and improves labor protection.



# Operating Instructions



1. Put linens into a water soluble bag. Do not place overly wet items in the bag at any time. Remember the bag is sensitive to moisture in any form. Dry linens should be the first items placed in the bag or should be used to wrap any sodden laundry.
2. Use a colored neck tie to close the bag. Care should be taken to prevent linen or foul seepage (body fluids or blood) escaping from laundry bags and contaminating other items or staff. Do not tie the bag film as a means of closure. Knots will inhibit solubility during laundering.
3. The closed water soluble laundry bag should be placed within another outer bag for movement within and outside the hospital. This reduces the chance of puncture or snapping enroute to the laundry.
4. The closed water soluble bag should be placed in the wash wheel or tunnel. Pre-sorting is contraindicated because the soiled linen is assumed to be contaminated.
5. During the initial cold flush cycle, whether the bag is cold water soluble or hot water soluble, it will open and begin to disintegrate, allowing the wash water to come in contact with the linen.
6. The 65°C (175°F) water should have been swirling around the bag containing the linens for 40 seconds before the wash chemicals (detergent, alkali, etc.) are injected. Wash at 65°C (175°F) water for a minimum of 10 minutes and make sure that the requested water temperature is reached. (Please refer to specific types of laundry bag for appropriate temperatures)

# Inno Quantum®



# Inno-Quantum®

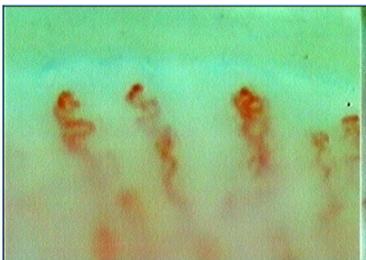
## How does it work?

Inno-Quantum® energy is a new technology which uniquely radiates energy from the textiles. A five-colored stones — 8 patents approved, high heat extraction method from the ore results in a white powder that contains the quantum energy. This is proven and tested by extensive laboratory reports.

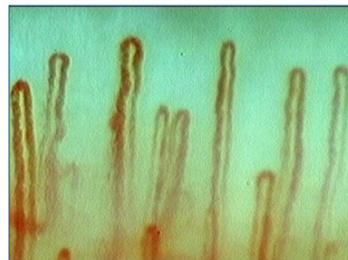
The textiles fused with Inno-quantum energy naturally radiate quantum energy ® by *interacting* with the environment. There is an absorption and release of N and O<sub>2</sub>.

There are many benefits of the Inno-quantum radiating energy and the interaction of N and O<sub>2</sub> :

- Increases Body Immunity
- Promotes Blood circulation
- Deodorize
- Anti-bacterial properties
- Cures wounds and heals skin—skin cell renewal
- Controls temperature BOTH hot and cold



**Before**



**After**

- |                                                                                                                                                                                                        |                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Mal-shape blood vessels loops</li> <li>• Heart, brain disease, diabetes</li> <li>• Connective tissue disease</li> <li>• Sometimes observed in can-</li> </ul> | <ul style="list-style-type: none"> <li>• clear shape, 7-8 capillaries</li> <li>• Bright red color</li> <li>• Hairpin shape</li> </ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

## Inno-Quantum® Beddings



### Why Inno Quantum® ?

While human sleep, the body recovers and heals.

Imagine going to bed and during sleeping:

- Increases body immunity
- Promotes blood circulation
- Deodorize
- Anti-bacterial properties
- Cures wounds and heals skin-skin cell renewal
- Controls temperature BOTH hot and cold
- Absorbs moisture-quick dry

# Inno-Quantum® Baby Beddings



We have additionally the most amazing sets for babies. What is better for the baby than sleeping in a bed-sets that are from the mother Earth and no chemicals added?



With the growing awareness in Bird influenza/ Avian flu (influenza caused by viruses adapted to birds), parents will definitely be worrying about the health of their children.

Inno-Quantum® baby bedding is a proactive approach to improve the immunity system of the body. Baby could be protected and experience the enhancement in health and vitality. while sleeping!



## Baby bedding set

Pillow  
Comforter  
Mattress

## Other product range

### Baby Towel

#### Bamboo

- luxuriously soft

#### Eco-knit

- Dries faster, non-snag, energy saving



### Organic cotton

Plush toy

Bodysuit

Pants

Bibs

Accessories



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