



*Making Life Better*



# CITYMASTER™

**AUTOMATIC WASTE TRANSFER SYSTEM (PWCS)**



# Clean and safe city environment

## **CITYMASTER™** - Vacuum waste transfer solution (PWCS)

The clean and smart city design requires modern methods to handle and collect waste. The vacuum pipeline collection technology releases free space for green areas at building site.

The waste fractions are collected by PWCS vacuum system directly from the waste **Drop&Go™** -inlets. They can be located inside building or just outside near the main entry door. The outdoor inlets (ODI's)

The unique **Drop&Go™** -technology provides

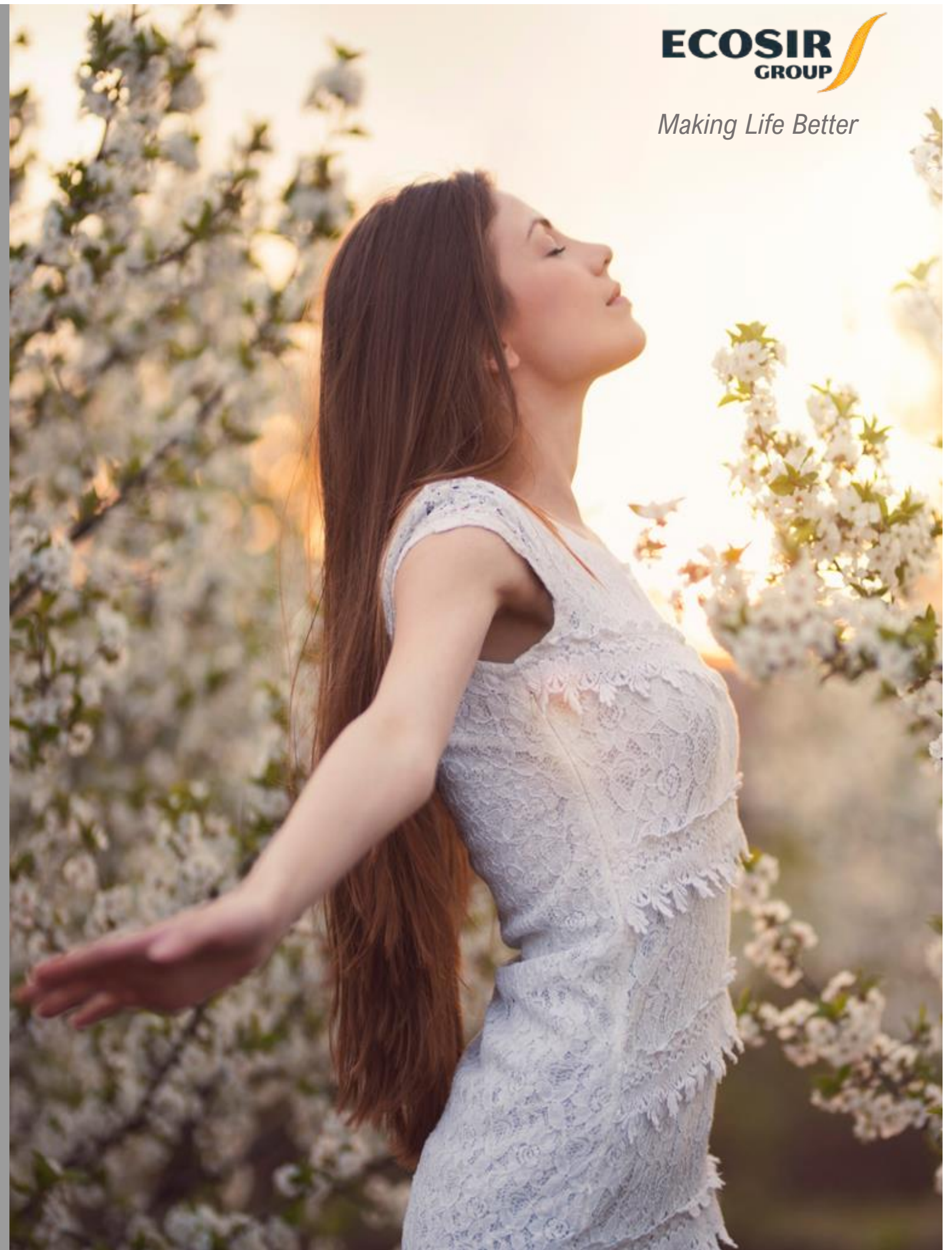
- **CLEAN AND SAFETY CITY AREA**
- **BETTER RECYLCING RATIO**
- **COST SAVINGS**

Just **Drop&Go™**  
- *it's so easy !*



**ECOSIR**  
GROUP

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# Technology to make your life easier

Introducing the remarkable all-new CITYMASTER, designed to make your daily life easier, safer and more enjoyable.

With a range of advanced features designed around you. From superior user ID connectivity systems, such as Smart phone Bluetooth inlet access from App store, to advanced mobile and web based system monitoring technologies that can respond to you, they all add up to making your daily life easier to enjoy.

**01 Ecosir Easy Access (EEA)<sup>TM</sup>** - technology using latest and safe Smart phone Bluetooth Inlet Access which identify the user and provides visual green light for each user. Also available RFID with PIN code reader without Smart phone.

**02 Design of the Outdoor Inlets (ODI)** has clear visual color codes to help you to find the right inlet for each waste fractions. Together with **EEA Smart Phone Bluetooth Inlet Access** you can make the environment safe and clean.

**03 Remote-On Line Monitoring (ROLS)<sup>TM</sup>** with web and mobile monitoring acts on-line to secure all system functions

EEA, ROLS and RFID code reader are optional features.



01



02



CODE  
RFID

03



\* **EEA** Ecosir Easy Access, **ROLS** Remote-On Line Monitoring by mobile technology are trade marks of Ecosir Group  
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# Visionary, Ingenious, Efficiency

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Indoor inlet (IDI)  
Fire Proof, SS304

Fully closed and  
sealed Bottom  
valve

Total system  
control  
with optional  
**ROLS™** monitoring

03



Outdoor Inlet (ODI) with Bluetooth  
Or RFID User ID option

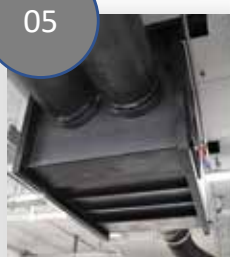


04



Pipeline  
PE-protected

05



Fully sealed  
horizontal  
diverter

06



Unique Horizontal  
Motorized waste/air  
separation unit **IMWS™**

07



Hydraulic compactor and  
Detached sealed container

08



Fully sealed HQ  
Filters

09



Frequency (VLT)  
controlled blowers

**CITYMASTER™**



# ***Innovation, Flexibility and Efficiency***

*All-new CITYMASTER™, designed to fit into nearly all buildings. The intelligent design and power features provides remarkable freedom to adapt into waste vacuum technology and keeping building costs low too.*

## **01 Integrated Motorized Waste/air Separation (IMWS™)**

*has the highest separation power compared to the old style vertical gravity cyclones.*

*The system is only 3.9m high! (cyclones require up to 10m). The motorized separation power makes it unbeatable to fit into today's architectural designs and to increase the lifetime of the filter – It's EG Smart Design .*

## **02 Room Less Filter Solution (RLFS) - No more dirty filter rooms!**

*Efficient filters are packed into fully sealed cases. The collected particle stays inside closed case. Small footprint filter cases can be placed nearly anywhere !*

## **03 Remote-On Line Monitoring (ROLS)™ with web and mobile monitoring acts on-line to secure all system functions -24/7**

*IMWS, ROLS are optional features.*

**01**



**01** *Powered Motorized horizontal waste/air separation system – and just 3.9 meter high*

**02** *Compact filter/blower room concept*



**03** *ROLS –Mobile Remote On-Line Monitoring 24/7*





# Making Life Better™

Some Waste system cases



## **ASTAKA Skyscrapers 1 & 2 Malaysia**

- SKYMASTER 500 PWCS -system
- Highest residential towers in East Asia
- 132 Indoor inlets (IDI) and D500mm vacuum piping



## **Campus Seinajoki EU**

- PWCS 500 –system with 115 IDI's (phase 1 and 2)
- Fully automatic with ROLS
- Indoor/outdoor DN500 piping 4km



## **Adan Campus Kuwait City, Kuwait**

- PWCS 500 –system with 60 IDI's
- Fully automatic with ROLS
- Two fractions with DN500 piping 3km



## **Langfang PR. China**

- CITYMASTER 500 & XMIT BIO -systems
- 2nd biggest single construction site in China
- Eight (8) 5-star towers with IDI's and D500 PWCS system.
- Food waste system for 18 restaurants



## **Campus Espoo EU**

- PWCS 500 –system with 70 IDI's
- Fully automatic with ROLS
- Three (3) fractions selection
- Indoor/outdoor DN500 piping 2km



## **Campus City Lahti EU**

- PWCS 500 –system with 105 IDI's
- Fully automatic with ROLS
- Two (2) fractions selection
- Indoor/outdoor DN500 piping 4km

## **ECOSIR GROUP in Nutshell**

Company as over 30 years history in waste related pipeline transfer systems. Over 100 main system projects and key innovations makes us leader in its field. Over 200 people with our 12 partners in Asia, Europe and Middle East will be at your service. Ecosir Group is Headquarter is located in Espoo Helsinki district.



## **Yinchuan P.R China Residential area**

- CITYMASTER PWCS -system
- 42 towers, 12 000 people area with ODI's
- Vacuum piping 4 km



## **Campus Kuopio EU**

- PWCS –system 65 IDI & XMIT BIO food
- Fully automatic waste and with ROLS
- Piping 3 km



## **And tens and tens more ..**

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## **Associated memberships and certificates**



Finnish Environmental Industries (YTP)



Hygienic Association



ISO 9001 and ISO 14001 certified



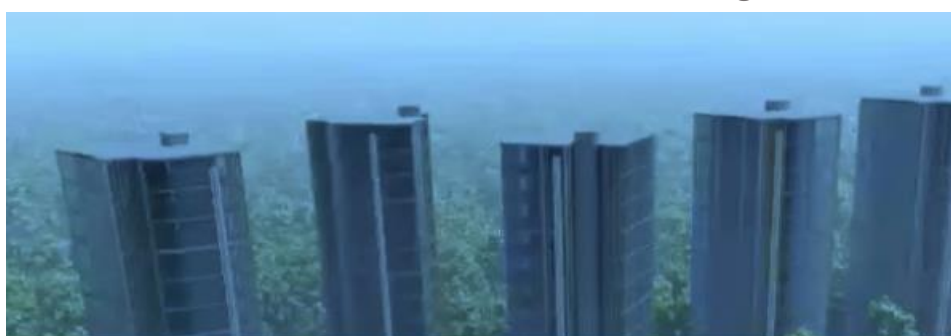
Complies with CE

**CITYMASTER™**





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## CITY ENVIRONMENT

SKYMASTER and CITYMASTER –  
building solutions →



### HEALTH CARE

Automatic transfer systems –  
Hygienic solutions for waste and linen handling →



### PROFESSIONAL KITCHENS

Kitchen food waste solutions  
for Health Care →