

FRESH FACTS

IAQ News from 

15

Other
PA-HWATM
Group Companies

Bry-Air[®]

delairTM

TDSTM

PURIFLAIRTM

YOU inspire us to innovate !

Our relationship, which started with providing a simple solution to your Energy Savings and Healthy Indoor Air Quality needs years ago, is today way beyond just products and services.

You kindled our passion for innovation and growth. We fueled it with cutting-edge technology, backed by R&D efforts and our worldwide experience and resources.



Innovation

Technology

Efficiency

Together, we moved full steam ahead, raising the standards of quality and efficiency along the way, even surpassing industry standards at times.

Today, we look back with pride and satisfaction at a relationship that has broken all barriers and bloomed into a fruitful 'partnership' with you.

We look forward to continuing to meet greater challenges together in the years ahead.



DRI will sponsor ACRECONF 2012. The two days Conference will take place on 12-13 January 2012 at India Habitat Centre, New Delhi, India. It will have six parallel technical sessions spread over two days with eminent speakers from India and abroad. DRI will also give presentation on the following Topics during the ACRECONF Show :

- Importance of Humidity Control through Sorption Technologies in Active Cold Stores.
- Direct-Indirect Evaporative Cooling for Data Centres and an introduction to Gas Phase Filtration for Mission Critical Facilities.
- Green Operation Theatres –Energy & IEQ : Case Study OT-AHUs in Medicity Hospital, Gurgaon, India.

presented Paper on **Evaporative Cooling & Energy Efficient Fresh Air HVAC Systems**

Bry-Air organized a seminar on **Environment Friendly, Sustainable Equipment/Methods and the accruing benefits** on Friday, 14 October, 2011 at Gurgaon. Speakers disseminated opportunities, trends, technology and equipment available to save Energy and Water, the two major issues faced by us today.

Mr. Rahul Aeron, National Sales Head-DRI presented paper on **“Cooling Large Areas More Economically with Evaporating Cooling and introduction to Energy Efficient Fresh Air HVAC Systems”**.



The seminar was attended by the owners, VPOs, senior executives, facility & maintenance managers from various industries such as manufacturing, automobile, textile, plastic etc.



supports Green Building Movement

Express Avenue – The Destination Mall

Designed to global standards, EA offers shoppers an intimate and convenient shopping experience. This Green Building developed on 11 acres of land has many architectural splendors and most energy efficient Fresh Air HVAC Systems.

DRI has supplied seven units of Energy Recovery Wheels for the Project. These units help to maintain Indoor Air Quality (IAQ) requirements and recover energy from exhaust air, resulting in considerable reduction in installed tonnage and utility bills. They also assist in enhancing IAQ, maintaining desired temperature and humidity and increasing productivity.

Project Name	-	Express Avenue
City	-	Chennai
Consultant	-	Dew Point, Delhi
Contractor	-	Blue Star, Chennai
DRI Product Installed	-	Energy Recovery Wheel (HRW)
Model	-	HRW-900 (MS200)
No. of Units	-	7 no's
Total Fresh Air Provided	-	14168 CFM
Total Energy Savings	-	57.7 TR
Payback Period	-	0.3 Year for HRW
Building Status	-	LEED Green Building



TCS, Siruseri



The TCS Siruseri is an architectural marvel. True to the Tata spirit, TCS Siruseri integrates energy and environmental considerations in its design and operation. The building is LEED Certified by the USGBC and rated as a LEED Gold Rated Green Building.

DRI is privileged to be associated with the Project by providing state-of-the-art energy efficient Fresh Air HVAC Systems.

These systems help to earn substantial Green Building LEED Points for

- ◆ Energy Saving ◆ Improved IEQ ◆ Innovative New Technology

Project Details

Project Name	-	TCS Phase-2
City	-	Siruseri, Chennai
Consultant	-	Potential, Bangalore
Contractor	-	Voltas, Chennai
DRI Product Installed	-	Energy Recovery Wheel (HRW)
Product Model	-	4 units of HRW-2400 (MS270), 8 units of HRW-2000 (MS270), 4 units of HRW-1400 (MS270), 1 unit of HRW-1200 (MS270), 2 units of HRW-900 (MS270) and 5 units of HRW-700 (MS270)
Total Fresh Air Provided	-	250700 CFM
Total Energy Savings	-	747 TR
Payback Period	-	0.3 Year for HRW
Green Building Rating	-	Gold

Mainetti, India's 1st Platinum Rated Green Factory

Project Name	-	Mainetti India
Location	-	Sriperumbudur, Chennai, India
Project Consultant	-	Ecologikol Advisors India Pvt. Ltd.
DRI Product Installed	-	Energy Recovery Ventilators
Number of Units	-	3 no's
Model Numbers	-	ERVi 500 and ERVi 800
Total Fresh Air Provided	-	1800 CMH
Green Factory Rating	-	Platinum

The Indian Green Building Council (IGBC) has awarded its first Platinum Green Factory Award Certificate to Mainetti India for its environmental and sustainability practices.

The IGBC identifies a green factory as one which uses less water, optimises energy efficiency, conserves natural resources, generates less waste and provides healthier spaces for occupants, as compared to a conventional factory.

At the heart of Mainetti is their environmental standpoint. Good environmental practice has always been a prime consideration in Mainetti's development leading them to implement safe and clean technologies using the best environmental practices.



Paharpur Business Centre



DRI is proud of its association with Paharpur Business Centre which is an epitome of sustainable development and quality living. PBC is known for its notable initiatives in the area of energy saving, water conservation, water harvesting and Indoor Air Quality (IAQ). PBC is the first office building in India to be USGBC LEED Platinum - as a retrofit.

PBC's management has revolutionized the serviced office concept by undertaking several endeavors to improve its Indoor Air Quality. They also publish their Indoor Air Quality information on the net each day at www.pbcnet.com.

To save energy and provide a fresh air supply to 20 CFM per person, DRI Flexomix-480 has been installed which provides 6400 CFM of fresh air to the building. This special unit was installed to improve the quality of indoor air & to fight the ill-effects of **Sick Building Syndrome**. The healthy Indoor Air Quality (IAQ) maintained in the building improves productivity, as a person does not get tired and feels fresh, thus leading to good health, fewer sick days.

The Indoor Air Quality at PBC meets the specified ASHRAE (American Society for Heating Refrigeration and Air Conditioning Engineers) Standards. A dedicated Indoor Air Quality division equipped with a lab has been set up to continuously monitor and improve the indoor air quality.

A study conducted by CPCB-MOEF, Government of India has found that providing cleaner air reverses the effects of pollution. People working at Paharpur Business Centre in Nehru Place, were found to have 10-12% less lung impairment than those working in Nirman Bhawan & Mausam Bhawan. Compared to other buildings in Delhi, the incidences of Eye irritation has been reduced by 52%, Respiratory symptoms by 34%, Headache by 24%, Lung impairment by 12% and Asthma by 9% at PBC.

Cool Large Areas **ECONOMICALLY** . . .



10 Models – 6800 CMH (4000 CFM) to 1,70,000 CMH (1,00,000 CFM)

India's leading Companies trust Arctic Coolers to keep the work environment cool and comfortable in their Shopfloors.

Factory built on CNC machines with high grade galvanised steel to withstand harsh weather.

Compact design for ease of handling, removal of pad and routine maintenance.

Heavy Duty, low rpm blower for low noise and trouble-free operation.

Choice of top, bottom or side discharge.

Highly efficient in cooling as well as in energy usage.

International quality, long life cooling pads used. These are made in India to international standards and exported all over the world.



Manufacturing Unit



Paper Mill



Textile Industry



Ware House

DESICCANT ROTORS INTERNATIONAL Pvt. Ltd.

DRI (INDIA)
100-101, Udyog Vihar,
Phase-IV, Gurgaon-122015
Phone : +91-124-4188888
Fax : +91-124-4188800
E-Mail : drimarketing@pahwa.com
Web. : www.drirotors.com

DRI (USA)
P.O. Box 342,
Cloverdale, VA 24077 USA
I Phone : +(540) 266-7643
I Fax : +(540) 266-7920
I E-Mail : cwaddell@driamerica.com
I Web. : www.driamerica.com

DRI (NETHERLANDS)
Demmersweg 6, 7495 RS
Ambi Delden, Netherlands
I Phone : +31 (0) 547-273807
I Fax : +31 (0) 547-273815
I E-Mail : d.glerum@hetnet.nl
I Web. : www.drirotors.com

DRI (TURKEY)
Küçükyalıls Merkezi Çirne Mah.,
E-5 Yanyol D-Blok No: 19 Maltepe/
İstanbul / Türkiye
Phone : +90-216-4175010
Fax : +90-216-4172255
E-Mail : cagdan.yilmaz@pahwa.com
Web. : www.drirotors.com

DRI (UAE)
P.O. 120672,
SAIF-Zone, UAE
I Phone : +971-6-5578148
I Fax : +971-6-5578149
I E-Mail : enquire@dri.ae
I Web. : www.drirotors.com

MALAYSIA
CHINA
PHILIPPINES
AUSTRALIA
BRAZIL
S. AFRICA
KOREA
THAILAND

Phone
+60-3-77259919
+86-21-51591555
+632-8078435-37
+61-8-92762307
+55-11-9272-1790
+27-11-6150458
+82-2-4140629
+66-2-7463400

Fax
+60-3-77259957
+86-21-51591559
+632-8078435
+61-8-93757989
+61-8-93757989
+27-11-6166485
+66-2-7464440

E-mail
bam@bryair.com.my
bryairsh@bryair.com.cn
mail@bryair.com.ph
sundermalkani@bigpond.com
luiz@pahwa.com
bryairfranca@telkomsa.net
drikorea@hanmail.net
thailand@bryair.com.my

Website
www.bryair.com.my
www.bryair.com.cn
www.bryair.com.ph
www.drirotors.com
www.drirotors.com
www.drirotors.com
www.drikorea.co.kr
www.bryair.co.th