



1/09

## DRI strengthens Operations in the USA

DRI . . . Desiccant Rotors International has been actively present in the USA for over a decade now.

Keeping with its philosophy of never being too far from its customers and to support them better, DRI now has its own office in the USA, **Desiccant Rotors International Inc.** in Virginia and is aggressively expanding its network.

Charlie Waddell has joined the DRI US team as General Manager. Prior to his taking up this assignment with DRI, Charlie held the position of Executive Vice President at Bioclimatic Air Systems. He has extensive knowledge of the desiccant dehumidification and energy recovery techniques, their manufacturing and marketing to allow quick support to the US market. Charlie holds a BS degree in Electrical Engineering from Old Dominion University. Charlie is a member of ASHRAE and the International Code Council.

Mark Clark, President-DRI US has been supporting the DRI US

operation for over a decade. He is a Mechanical Engineer and has been in the HVAC industry for 30 years. He has extensive experience in engineering design and manufacturing. Mark has held manufacturing management positions at both SEMCO Incorporated and McQuay International before joining DRI USA.

The DRI USA operation is actively supported from DRI Head Quarters. DRI USA office will address the needs of the market for the certified products, high quality, fast delivery requirements and technical hand holding.



**Mark Clark**  
President - DRI US



**Charlie Waddell**  
General Manager - DRI US



**Milind Mate**  
Manager Exports - DRI



**Arun Kumar**  
Deputy Manager Exports - DRI US

DRI receives AHRI 100% Success Rate Performance Award for 7<sup>th</sup> successive year



- Desiccant Rotors International is
- #1 in performance – worldwide.
  - Largest global producer of Enthalpy Wheels.
  - The first choice of engineers/consultants – worldwide.



**DRI**® Proud to be associated with



## Designers opted for **ECO-FRESH**® HRWs for Beijing Olympics facilities

Beijing 2008 showcased the best in technology, infrastructure, facilities, and of course sportsmanship, creating an indelible mark in history setting standards for future display.

DRI was privileged to have contributed to the making of history and setting standards.

DRI provided Indoor Air Quality management products and solutions

for various Olympics venues namely Beijing Shooting Gallery, Beijing Airport, Beijing University Gymnasium, the Stated Conference Center etc. to name a few.

## KEM Hospital Retrofits its old wheels with **DRI**® **ECO-FRESH**® HRWs

King Edward Memorial Hospital (KEM), Perth, Australia is a renowned health care provider, with over 400 beds and a huge staff of specialists. KEM is geared to provide the highest standards in health care and patient servicing to which the quality of air through its HVAC system plays an important role. The original HVAC system designed 30 years ago was ahead of its time. It incorporated Heat Recovery Wheels (HRWs) to save energy and provide better Indoor Air Quality (IAQ). The wheels were imported from the USA and had a solid 4mm thick MS structure by way of a circular 300 mm wide ring, a small 200 mm hub and 19 spokes. The aluminum substrate was supplied in 20 segments. However with the passage of time, the substrate disintegrated and fell off in all



the four wheels. As a result, the wheels became non-operational with just the frames remaining intact.

KEM Hospital wanted to replace the substrate in segments to provide quality fresh air to the hospital.

The retrofit process had to overcome many challenges:

- **The project required the detailed understanding of retrofitting.**

- **The building had severe structural constraints which made replacing old wheels with new almost an impossible task.**
- **The frames were very strong and difficult to remove.**

Thus, the retrofit was not really viable for most companies. The **Airineers™** at DRI Australia took it as a challenge to customize the DRI wheel design to meet the hospital's needs. Their efforts, customer focus, and team work paid off, meeting the customer's needs in record time. The segments were installed after cutting down a few spokes in the wheels, increasing the diameter of the hubs and cutting down the segments from 20 to 5 in each wheel.

The hospital has reported of highly satisfactory performance of the wheels after retrofit job done by DRI.



# Heat Recovery Wheels (HRWs) in University of the South's Sewanee's **FIRST** LEED certified building



The University of the South's newest building, Spencer Hall, is finally open to the public after five years of design and construction. It now houses the school's chemistry and biology departments as well as the Landscape Analysis Lab. Named after William Spencer, a member of the class of 1941 who donated \$6 million to fund a new science building Spencer Hall is a \$22 million addition to the older Woods Lab.

Spencer Hall is LEED certified to the Silver level, and several of its "green" features include large amounts of natural light coming in through its many windows and many new energy efficient technologies.

Spencer Hall is designed by :

<b>Architects</b>	<b>:</b>	<b>Ballinger Philadelphia</b>
<b>Contractor</b>	<b>:</b>	<b>Brice Building Company, Inc. Birmingham Alabama</b>

Sustainable building practices and technology are incorporated into Spencer Hall, including improved Indoor Air Quality, energy conservation and heat recovery technology, and the use and re-use of local materials.

DRI has supplied its **EcoFresh** Heat Recovery Wheels (HRWs) to the building to optimize energy performance of the air conditioning systems resulting in:

- considerable reduction in installed tonnage
- reduction in utility bills for entire life cycle
- enhanced IAQ and productivity
- and reduced health risks



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maintaining IAQ in  
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Pacific Controls, Dubai



World Trade Centre, Bahrain



The City, Brazil

# Heat HS Building at the College of DuPage opts for DRI's **ECO FRESH**® HRWs for IAQ



The Health and Science Center at the College of DuPage opted for DRI HRWs to achieve acceptable IAQ while minimizing energy costs. The building utilizes two 95,000 CFM custom AHUs manufactured by TMI. Each AHU utilizes two DRI **EcoFresh** HRWs-132 mounted in a side by side configuration.

The Health and Science Center (HS) will be located directly west of the Student Resource Center (SRC) on east campus. The project scope consists of a new facility that will house a combination of laboratory, classroom, office and instructional spaces. This building will contain the following Health Sciences programs and Natural Sciences programs :

- Allied Health ● Certified Nursing Assistant ● Dental Hygiene ● Diagnostic Medical Imaging ● Nuclear Medicine



- Nursing ● Physical Therapist Assistant
- Radiography ● Respiratory Care
- Surgical Technology ● Anatomy and Physiology ● Microbiology ● Biology
- Chemistry ● Zoology ● Botany.

**Project Manager : Tim Coenen**

**Architect Engineer : HOK Chicago, IL**

**Construction Manager : Gilbane Building Company Chicago, IL**



your partner in the green building movement . . .

DRI is a fast growing HVAC&R company with global footprints providing a complete line of desiccant-based products and systems that recover energy, increase ventilation and control humidity. DRI products and systems are maintaining IAQ in prestigious buildings all over the world.

DRI is a founding member of the Green Building Councils (GBC) in India and Vietnam. DRI is a member of the Green Building Councils in the USA, South Africa, Philippines and Australia. DRI is actively involved and is in the process of becoming a Green Building Council member in Mexico, Philippines, Brazil, Emirates, Australia, China and many other countries.



**DRI** DESICCANT ROTORS INTERNATIONAL INC.

Visit us at : [www.driamerica.com](http://www.driamerica.com)

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