



Next Generation Green: Tomorrow's Innovative Green Business Leaders

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With dozens of magazine covers and news features, television shows, books, products, feature films and even a Nobel Peace Prize, climate change was undoubtedly the topic of the moment in 2007.

As Jon Coifman of the Natural Resources Defense Council (NRDC) puts it, the collective consciousness the environment seems at last to have shifted from something to go and visit to something that is part of every day life—it's our backyards, our kitchens, our houses and our cars. What this translates to for business leaders is an increasingly aware consumer population and a lot of potential for new business if it's conducted responsibly.

While the mainstream may have just recently tuned into the "green" channel, some businesses have been focusing on the environmental and social impacts of their operations and products for decades. Those businesses continue to push the sustainability agenda, and they are now increasingly being joined by start-ups looking to revolutionize things like the electrical grid that haven't changed in decades or even centuries.

"The paradigm has shifted—we have a lot of companies calling us now, looking for help figuring out what their footprint is, how to green their operations, and how to develop new products within that," says William Sarni, CEO of DOMANI, a full-service

sustainability consulting firm that works with leading multinational companies like Alcoa, BASF, Cisco, Coca-Cola and Pfizer. Now that "sustainability" has become simply a part of doing business, companies that wish to push the "green business" envelope

are innovating faster than ever, often through partnerships with other companies that enable knowledge sharing and help push technology along at a faster rate. In 2005, for example, nanotechnology company QuantumSphere partnered with a leading zinc air battery expert to develop the most advanced air electrode in the world and increased battery power output over 320%. This increased performance unlocks new portable power and electronics applications for zinc air batteries, the most powerful commercial battery available by volume and weight. As a reflection of this breakthrough, the company was recently awarded the Best of Small Tech Nanomaterial of the Year Award for its QSI-Nano® Manganese catalyst, a key ingredient inside next-generation electrodes for disposable zinc air batteries.

Even companies in sectors not traditionally associated with environmental responsibility are greening their operations in every way they can and expanding their offerings to include more responsible options. Car companies are racing to release the first plug-in hybrids, and energy companies such as BP have been investing in alternatives to oil for years now. After all, if oil is running out no matter what, energy companies all want to be well-positioned to harness the power sources of the future, from wind to solar to hydro power.

"We hear from some customers at the fuel pump that they buy our gas because they like that we invest in things like solar and wind, which is great. Still, at the end of the day, we wouldn't be investing so heavily in our alternative energy businesses if we didn't think those businesses were going to be profitable in their own right," explains Sarah Howell, BP's director of environmental and corporate communications.

Outside of the "Green Business" realm, it's not just profits that are driving companies to embrace environmental initiatives. Companies recognize the long-term global environmental challenges, and just as individuals work to reduce, reuse and recycle, mainstream companies are finding ways to do

their part as well. Last year, Abbott [NYSE: ABT] announced a goal to reduce absolute greenhouse gas emissions. Abbott also became the first Fortune 500 company to commit to going “carbon neutral” with its U.S. sales fleet. By offering employees the option of driving a hybrid or other fuel-efficient vehicle, Abbott is reducing its emissions significantly—equivalent to removing 12,000 cars from the road. The health-care company plans to neutralize the remaining emissions of its fleet by purchasing carbon offsets in 2008.

“Abbott’s business is focused on improving people’s health, and our work to protect the environment is an important part of this commitment,” says Mike Warmuth, vice president, Abbott’s Global Engineering Services Division. “By going carbon neutral with our fleet and introducing other significant environmental initiatives, we’re increasing the efficiency of our operations and reducing greenhouse gas emissions. At the same time, we’re also directly engaging our employees, who are proud to work for a company with a strong commitment to the environment.”

Still other companies are teaming up with firms such as Salt Lake City-based Blue Source, which creates greenhouse gas reduction projects across the U.S. for a variety of industries. Blue Source co-founder and CEO Bill Townsend says his company developed these projects—from carbon capture and storage for enhanced oil recovery to methane capture and utilization—to meet the greenhouse gas reduction goals of various industrial clients that have uniquely large and broad carbon risks. “North American businesses are looking for opportunities to reduce their carbon environmental impact, but in many cases do not know how to approach the issue,” Townsend says. “The voluntary carbon market, as one example of an environmental marketplace, is playing an important role in providing an incentive to act on climate change without regulatory requirements. With Blue Source’s diverse portfolio of carbon offset projects, we hope to continue to demonstrate that it is indeed possible to reduce carbon emissions while creating economic benefits that support a sustainable future. Businesses today no longer face the decision of making a financial gain or being socially conscious; the carbon markets allow for both.”

What was once called the “triple bottom line” has morphed into what Hunter Lovins, co-author of the seminal green business primer *Natural Capital*, calls the “integrated bottom line,” as corporate interaction with labor and the environment

affects profits now more than ever. In addition to customers that are more knowledgeable than ever about the impacts of business on society and the environment, companies also have to operate in a world filled with bloggers and citizen journalists who will inevitably document their every misstep.

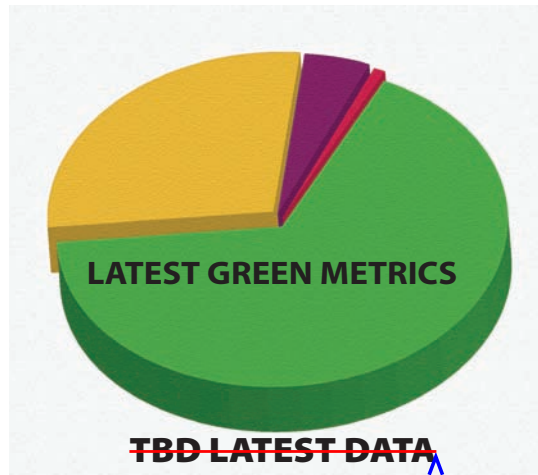
Those companies that are seen as green business leaders and positive members of the global community will not only benefit their bottom lines through such things as energy savings and waste reduction, but through an increased customer base and strong brand loyalty. Perhaps even more valuable, companies that are seen as environmentally and socially responsible buy themselves what Lovins calls a “goodwill bank.”

“When companies screw up, which inevitably they will do at some point or another, if they’ve taken the time to really integrate sustainability into their operations and communicated that integration to customers, their customers are more likely to stand by them,” Lovins says.

Integrating the bottom line with sustainability initiatives has been at the heart of the GLOBE Foundation’s efforts since 1993. GLOBE is a non-profit organization focused on business as a solution to environmental challenges, and has been fostering the growth of corporate sustainability by bringing company leaders together to discuss industry-wide problems and the potential for reasonable, profitable solutions. “We believe that environmental problems present business opportunities, and companies really can do well by doing good,” says John Wiebe, President and CEO of The GLOBE Foundation.


GLOBE 2008, the 10th event in the prestigious GLOBE international conference series, will bring together over 10,000 participants from 80 countries this March in Vancouver to discuss some of the most important issues shaping the global environmental business agenda, and exhibit technologies designed to address the greatest challenge facing humanity. Energy issues, climate change, and building design that meets the ultimate in sustainability principals will be discussed by leading edge thinkers with business leaders committed to making a difference. Up to date program information is available at globe2008.ca.

Today’s green business leaders, from Siemens to Waste Management, Abbot, and BP are doing just that, integrating social, environmental, and economic concerns into innovative,



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Investing in energy options.

BP is the largest investor in U.S. energy development. t, over the last 5 years, we've invested more than \$28 billion in U.S. energy supplies, which includes developing low carbon energy solutions from solar, wind, hydrogen and natural gas. It's a start.



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successful business strategies.

Siemens: Solving the environmental problems of tomorrow, today

Since 1874, Siemens has been working in Canada as both an innovator and an environmental leader. The company is credited with introducing a number of clean technologies to both Canada and the world, from the first light rail transit (LRT) system in North America to the largest wind farm in Ontario. Siemens is also responsible for the design and installation of the first retractable stadium roof and the world's first fully integrated air-field lighting control system.

"Siemens has focused on environmental responsibility for a long time as part of our commitment both to the environment and to making the best products possible," PR Manager DL Leslie explains.

The company's LRT solution in Calgary is a prime example. The electrically driven zero-emission rail vehicles protect the environment, while at the same time providing safe and reliable transportation. "We need energy for infrastructure solutions and often the environment is compromised in the process, but with wind turbines, clean air technologies, flexible power grids and reliable, low-loss transmission systems, we're helping conserve resources, save energy and cut costs," Leslie says.

Siemens building technologies group is also focused on improving efficiency and reducing greenhouse gas emissions for its customers. The company's advanced digital control technology and dedicated team of energy professionals provide customers with turn-key programs that maximize building efficiencies, as evidenced by a recent project with the Royal Canadian Mint. Siemens helped the designated heritage site in Ottawa, Ontario, to gain \$1 million in savings annually and a dramatic improvement in indoor air quality.

Subsidiary Osram Sylvania further helps customers to improve the efficiency

of their buildings. As one of the first companies to produce compact fluorescent lights (CFLs), Siemens is one of a handful of companies that are helping to reduce the use of incandescent lights around the world, Leslie says, adding that again it comes down to the company's ability to produce innovative products that are also environmentally responsible.



As part of a study presented at the 2007 World Economic Forum in Davos, Siemens identified two significant challenges facing our planet in addition to climate change: urbanization and demographic change. According to the study, produced in partnership with Globescan and MRC McLean Hazel, 2007 marked the first year in history that more people lived in cities than outside of them. In addition to an increased migration of people to cities, the study found that humans are simply living longer.

The increase in both urbanization and lifespan are putting serious stress on the planet and specifically on the infrastructure of cities and on the environment as a whole. With technologies geared toward improving healthcare, infrastructure, energy efficiency, water, and transportation, Leslie explains, Siemens is well positioned to extend and enhance the quality of life and to provide comprehensive solutions to the multi-faceted environmental challenges of the future.

Waste Management:

Turning waste into energy

Waste Management, a company best known for dealing with the waste of its 22 million customers, produces more renewable energy each year than the entire North American solar industry. It's an achievement the company will build on over the next ten years. In late 2007, WM CEO David Steiner announced four key goals for 2020: increase waste-based energy production; increase the volume of recyclable materials; invest in clean technologies; preserve and restore more wildlife habitat. "Where most see waste,

Investing in energy futures.



BP is investing \$500 million over ten years to establish the Energy Biosciences Institute, which will find new sources of clean, renewable energy. We are also working with DuPont to create an advanced generation of biofuels. It's a start.



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we see opportunity,” he said, describing a platform for sustainable growth for WM in which the company removes trash, recycles it, and delivers waste-based energy to its customers.

The company is already making progress towards its goals, according to VP of Corporate Communications Lynn Brown. WM currently has 33 working landfills certified as wildlife habitat preserves through the Wildlife Habitat Council, and hopes to certify 100 by 2020.

To increase the volume of recyclable materials, the company uses single stream recycling technology, which shatters the myth that recycling isn't as profitable as disposal and also encourages people to recycle. New areas of business such as electronics recycling and construction & demolition recycling are also increasing WM's recycling volume. In partnership with Sony, WM has developed an e-cycling program aimed at providing an e-drop-off within 20 miles of 90 percent of the U.S. population, and the company is currently in talks with other partners to develop similar programs, Brown says. Meanwhile, WM is increasing its capacity to capture recyclable construction waste, which will also help customers striving towards LEED certification through the U.S. Green Building Council.

In its quest to both decrease emissions and increase fuel efficiency by 15% over the next ten years, WM will invest \$5 billion of capital spending in its fleet of trucks. The company also is investing in next-generation landfill technologies that could produce electricity, create more space in landfills, and actually make diesel from landfill gas, which could then be used to help power WM's truck fleet. Meanwhile, WM subsidiary Wheelabrator provides a new twist on an older technology. Wheelabrator combusts waste to create electricity, a process popular in Europe that the EPA says has less environmental impact than almost any other source of electricity, and is in increasing demand in the U.S. and Canada.

Another WM subsidiary, Upstream, consults with customer companies to reduce the amount of waste they create in the first place. While some might see this as WM cannibalizing its own business, Brown says it's an important part of the company's service for corporate customers.

A recent project with Alcoa illustrates Upstream's value. In Alcoa's manufacturing process, alumina was being lost and

entering the waste stream. Upstream helped Alcoa capture that alumina and transfer it back into the manufacturing process, which reduced its overall waste and saved the company money by keeping a valuable resource in the manufacturing process and reducing disposal fees.

It's a perfect example of WM's overall approach to business. As Brown points out, “The very nature of what we do makes us an important part of our customers' sustainability chains.”

BP: Driving energy innovation

In 1997, BP's then-CEO Lord Browne stepped out on a limb with a speech at Stanford University about the need for the energy industry to accept the science surrounding climate

change and begin to do something about it. Oil industry stalwarts said he had “left the church,” but more than ten years down the road it's clear that he was on to something. In 1997, BP committed to reduce its greenhouse gas emissions to below 1990 levels by 2010. The company achieved its reductions nine years ahead of schedule, and was surprised to find that it was cost effective in doing so, says Sarah Howell of BP.


“We thought hmmm... here's an example where people think you have to spend a lot of money and completely change your thinking, but we proved that we could do it without a huge investment; what it took was increasing efficiency in our own operations, and by being

more cognizant and efficient we discovered we could reduce emissions and save money,” Howell says.


In 1998, British Petroleum merged with Amoco to form BP Amoco and then acquired Arco and several other companies, and re-launched in 2000 as BP, an energy company. At the time of the merger, both British Petroleum and Amoco had large and well-respected solar manufacturing businesses, and the merger of the two created BP Solar, one of the world's largest solar manufacturers. By 2005, BP launched its Alternative Energy group with a commitment of \$8 billion of investment over ten years into four sectors: solar, wind, gas-fired power, and hydrogen power coupled with carbon sequestration and storage.




The company's solar business was already quite strong, and it very quickly built up its other Alternative Energy businesses. BP acquired several small wind power companies throughout





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Abbott: Committed to a Healthier Environment

Despite its relatively small footprint and the fact that it's in an industry ~~health care that isn't known for being focused~~ on "green business," Abbott ~~ABT~~ stands out as an environmental leader. The company focuses its environmental work on areas that are important to society and to Abbott's business, including conserving water and energy, and reducing greenhouse gas emissions to help address climate change.



Abbott Drives Green and in Neutral. In 2007, Abbott became the first large company to go "carbon neutral" with its U.S. vehicle fleet.

"As a global health care company, Abbott is in a unique position to improve the health of our world and the people in it," says Mike Warmuth, ~~vice president~~ of Global Engineering Services at Abbott. "This responsibility goes well beyond the products we ~~develop~~ to the way we make them and how we operate our business. Working to protect the environment is one of the ways we're fulfilling our mission to improve people's health."

In 2007, Abbott became the first and only Fortune 500 company to commit to going "carbon neutral" with its 6,500-vehicle U.S. sales fleet. Company cars typically have double the mileage, fuel ~~consumption~~ and emissions of personal vehicles, ~~and as a result~~ are major sources of air pollution. By going ~~carbon neutral~~, Abbott will neutralize 77,000 metric tons of ~~emissions~~ the equivalent of taking 12,000 cars off the road.

Abbott also announced its intention to reduce its total U.S. greenhouse gas emissions on an absolute basis from 2006 to 2011. The commitment to an "absolute" reduction is ~~key~~ even as Abbott's business grows in the coming years, the company's goal stays the same: decreasing total emissions from current levels.

"The carbon neutral ~~it~~ program has already made an impact on greenhouse emissions, and we're rolling out other initiatives to further reduce our environmental footprint," explains Warmuth. "This includes installing solar panels in our manufacturing facilities and investing in other renewable energy sources."

 **Abbott**
A Promise for Life

the U.S. and formed a strategic partnership with Clipper Wind, one of the largest wind turbine manufacturers in the country. In January ~~2007~~ the company announced its intention to build five large wind farms in the U.S. and by December 2007 the first of those ~~farms~~ a 300 MW wind farm in ~~Colorado~~ was commissioned. In the same time frame, BP also constructed a ~~1,000MW~~ gas-fired ~~co-gen~~ power plant in Korea and announced plans for a hydrogen power project at its Carson, ~~Calif~~ refinery that uses a ~~by-product~~ ~~refining process to produce hydrogen for power and CO2 that is sequestered and stored.~~

In addition to low-carbon power, BP ~~is investing~~ heavily in the research and development of efficient, low-carbon fuels. The company has partnered with DuPont to import biobutanol from an existing first generation manufacturing facility in China to blend with gasoline to provide to the UK ~~market~~. In the U.S., BP has invested \$500 million in an Energy Biosciences Institute (EBI) co-located at UC Berkeley and the University of Illinois ~~at Champagne-Urbana~~, where students and scientists will explore the application of bioscience and the production of new and cleaner energy, principally fuels for road ~~transport~~ and creating new technologies to develop fuels from ~~non food~~ crops. The EBI will also ~~pursue research in~~ the conversion of heavy hydrocarbons to clean fuels, ~~improved~~ recovery from

existing oil and gas reservoirs, and carbon sequestration.

It's all in the name of good business. "We look at this not as a trend but as a sustainable business strategy. I hope other sectors (such as retail, clothing, construction, etc.) keep with it too and reap both the environmental and economic benefits," Howell says. ■

About GLOBE: Founded in 1993, ~~The~~ GLOBE Foundation is an international consultancy in the business of the environment. GLOBE's expertise lies in project management, event development, and management and consulting in the fields of environment and energy, urban development, and corporate responsibility. GLOBE is North America's longest operating producer of environmental business events, having produced the GLOBE series since 1993. For ~~up-to-date~~ information on the GLOBE Foundation and cutting edge information on the business of ~~environ-~~ ~~ment~~ visit GLOBE's information portal at GLOBE-Net.ca



With energy costs and oil dependence on the rise, the need for renewable power is greater than ever. That's why Waste Management is using the resources at our disposal to create the energy equivalent of saving over 14 million barrels of oil per year. It's a powerful idea we're proud to drive forward.

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Leading Innovators

Staples: Making Sustainability Easy



Mark Buckley, VP of Environmental Affairs, Staples, Inc.

When Staples opened for business 22 years ago, it sold recycled paper. Today, Staples sells more than 3,000 eco-friendly products ranging from recycled denim folders to corn starch packing peanuts. Known for making it easy for businesses to

buy office products, the company has taken a leadership role in making it easy for businesses of all sizes to make a difference in protecting the environment appropriately under the name EcoEasy.

"We look not only at how we run our own business but how we can help our customers run their businesses sustainably," explains Mark Buckley, VP of Environmental Affairs for Staples.

For example, in 2007 Staples became the first national retailer to offer in-store tech recycling every day for small businesses and consumers. In addition, medium-to-large size business customers can easily order and track their green purchases with Staples to achieve their own sustainable business goals. Staples was also the first to offer contract customers the industry's first online catalog enabling customers to reduce the environmental impacts associated with the use and disposal of paper catalogs.

Staples also has a number of initiatives to reduce its own environmental impact. The company currently has 13 solar installations across the country and plans to install a fuel cell at its Ontario, Calif. distribution center which will generate 100 percent of the building's energy. Staples plans to reduce its carbon emissions by seven percent on an absolute basis by 2010 through renewable energy investments. Staples is undertaking all these initiatives because it's both good for the environment and good for business.

www.staples.com/ecoeasy;

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QuantumSphere: Advanced Catalysts for Today's Clean Energy Needs

QuantumSphere, Inc. (QSI) is a leading manufacturer of advanced catalyst materials and a developer of high performance electrode devices and related technologies for multiple clean-energy applications. Backed by a strong intellectual property portfolio, QSI lowers costs and enables breakthrough performance in such multi-billion dollar growth markets as batteries, fuel cells, and hydrogen generation, among others. Founded in 2002 and headquartered in Santa Ana, CA, the company is driven by a mission to reduce dependence on non-renewable energy sources through continuous innovation and refinement of its advanced catalyst materials and electrode devices. QSI serves industry leading customers with its patented, automated, highly scalable, and environmentally friendly manufacturing processes.

(714) 545-NANO (6266); www.qsinano.com



Carbon Forum America: The essential event for America's emerging carbon market

A U.S.-focused version of Europe's popular Carbon Expo, Carbon Forum America (CFA) debuts Feb. 26-27, 2008 in San Francisco. The event is jointly organized by the International Emissions Trading Association (IETA) and Koelnmesse, Inc. Different from other events focused on America's hot emerging carbon market, CFA combines a high-level educational conference with a trade show that incorporates exhibitors from a variety of different industries—energy and emissions traders, law firms, the top five carbon exchanges, financial intermediaries such as J.P. Morgan and Citigroup, the EPA, project developers, service providers, and more. "In addition to offering an exciting learning environment, we provide a platform for high-level interaction in a serious business environment," explains Mette Petersen, President of Koelnmesse Inc. Held in California, the first state to create a regulatory market for Carbon Emissions, CFA will also include targeted seminars on the state's regulations and opportunities. Panel speakers will include Gov. Arnold Schwarzenegger, and Yvo de Boer of the UNFCCC.

www.carbonforumamerica.com;

(773) 326-9925



Blue Source: Helping corporate America reduce its carbon footprint

Blue Source is the financial and operational answer for today's corporations looking to reduce their carbon exposure or greenhouse gas emissions. They have helped industries across the US understand and engage in the carbon economy.

Blue Source works with companies to develop projects that reduce greenhouse gas emissions, creating North America's largest portfolio of carbon offsets. Whether their clients are creating plans for carbon capture and storage, installing methane capture equipment related to mining operations or landfills or purchasing offsets from the portfolio, as suppliers or buyers, Blue Source is helping businesses achieve their value in the carbon economy.

Blue Source is North America's leading portfolio of greenhouse gas (GHG) emission reductions.

Blue Source is North America's leading developer of carbon capture and storage (CCS) systems.

Blue Source is North America's first and largest source of project

Blue Source is the answer for forward-thinking businesses, offering multiple approaches for addressing climate change. Because the solution is not the same for every company, Blue Source has a broad range of project development capabilities and offers diverse sources of offsets in its portfolio.

Blue Source works at the intersection of climate change and domestic energy policy. In partnership with First Reserve Corporation, the largest private equity firm in the domestic energy industry, Blue Source has committed capital of \$1 billion to invest in new projects to reduce greenhouse gas emissions.

www.ghgworks.com; (801) 322-4750



Blue Source
A Leading Climate Change Portfolio



Converting waste to clean gas and valuable products without emissions

Plasco Energy Group: Waste conversion to clean energy

After decades of research and development, customers can now tour PlascoEnergy's commercial-scale waste conversion demonstration plant in Ottawa. The Plasco Conversion System utilizes 16 patented technologies that harness plasma to cleanly and efficiently convert waste to clean energy. The enclosure was designed by renowned Canadian architect Douglas Cardinal. The systems are aesthetically pleasing, odorless and silent, also produce zero emissions in producing clean gas. Easily integrated within neighborhoods, the systems reduce transportation distances and related emissions. When used to fuel internal combustion engines, gas from the system provides electricity to surrounding neighbors, typically without relying on the transmission grid. PlascoEnergy can convert any kind of waste to energy, and CEO Rod Bryden says that for food scraps the PlascoEnergy system is actually better than composting. "It removes CO2 from the environment, like composting, but it also replaces about four times as much electricity," Bryden explains. PlascoEnergy is currently in discussions with cities in the US, Canada, the UK and Spain, and has more immediate demand for its systems than it will be able to deliver in 2008. The company's new manufacturing plant, operational by Q2 2009, will assemble, box, and ship systems, greatly reducing installation time and providing maximum quality control.

www.plascoenergygroup.com: (613) 591-9438



Teknion takes the LEED

When Toronto-based office furniture designer and manufacturer Teknion decided to align its products with the U.S. Green Building Council's LEED certification program in 2002, it was a strategic and risky move, according to Scott Deugo, Senior VP of Design, Marketing and Sustainable Development. But the risk has paid off in more ways than one. The initiative began with the creation of an internal GreenWorks devoted to sustainability and to certifying all manufacturing facilities to ISO 14001 specifications. It included offering certified wood and recycled materials in its products, and certifying all major products to EcoLogo and Greenguard's low-emission standard. Teknion has earned new, loyal customers, benefited from \$4 million in cost savings and earned a 2007 GLOBE Award for Environmental Excellence. "These small, but significant environmental shifts have made us a better and greener company," says Deugo. www.teknion.com (416) 661-3370



Leader/FairWeather: Green from the start

In the process of preparing a bid to be a supplier for the 2010 Winter Olympics in Vancouver, Rick Flaherty discovered that his company, Leader International, was a green business. "We started doing a full break-down of everything in all of our products, and found that all of our products are made with 40-70 percent recycled materials," Flaherty explains, adding that as a Seattle-area company for 26 years the business itself is run sustainably. FairWeather Site Furnishings, a Leader division, is now preparing documentation for all of its products to help architects who are guiding building projects through the LEED certification process. FairWeather's products are installed all over the country—the Clinton Library, the Department of Energy headquarters, and many U.S. cities are all customers. The city of Bremerton, WA has become somewhat of a living company showroom with dock lighting, custom park furniture, way-finding signs, and LED lighting schemes installed throughout the city's waterfront and downtown. www.theleader.net; (360) 895-1184



Eric Hutchingame, President
Sea to Sky Pollution Solutions

Blue Skies Ahead for "WiFE on Demand"

Sea to Sky Pollution Solutions was founded in 2005 to reduce effluents and emissions from large marine vessels by adopting and adapting proven cost-effective technologies. In two short years, Sea to Sky's proprietary on-demand water in fuel emulsion system, "WiFE on Demand," has traveled via innovation from inspiration to installation. This achievement was driven by the company's collaboration on high-profile projects with key maritime stakeholders such as the Ports of L.A. and Long Beach, MARAD, U.S. EPA, California Air Resources Board, multiple Air Districts, the University of California-Riverside, MAN B&W Diesel, APL Maritime and Seaspan Ship Management.

Sea to Sky also partnered with industry leader Danica Diesel to provide critical high-level diesel engineering expertise to develop the technology necessary to integrate its WiFE on Demand system with the massive 4-story, 3.5 million ton marine engines. The California Air Resources Board has verified that WiFE reduces NOx and particulate matter in engine emissions and Sea to Sky has overcome WiFE's cost barrier with its proprietary on-demand process that eliminates the need to buy a pre-emulsified WiFE.

With global shipping projected to triple by 2020, Sea to Sky is working to ensure that the size of the business opportunity is not limited by the speed at which the company can grow by developing key strategic partnerships to restrain costs, while fostering the rapid but controlled growth needed to continue ongoing product and market development.

www.wifeondemand.com: (604) 925-8330

