

The "Sustainability Megatrend"



Megatrend: "A fundamental shift in the competitive landscape that creates inescapable threats and game-changing opportunities ... profoundly affects companies' competitiveness and even their survival."

Over the last 10 years, the sustainability imperative has emerged. Environmental issues have steadily encroached on businesses' capacity to create value for customers, shareholders, and other stakeholders ... magnified by escalating public and governmental concern about climate change, industrial pollution, food safety, and natural resource depletion, among other issues."

David A. Lubin and Daniel C. Esty, "The Sustainability Imperative," HBR May 2010

Climate-Related Business is Booming

Global revenues from climate-related sectors could top \$2 trillion by 2020. Was \$530B in 2008 -- 75% growth over 2007

4 major areas of climate-related revenues

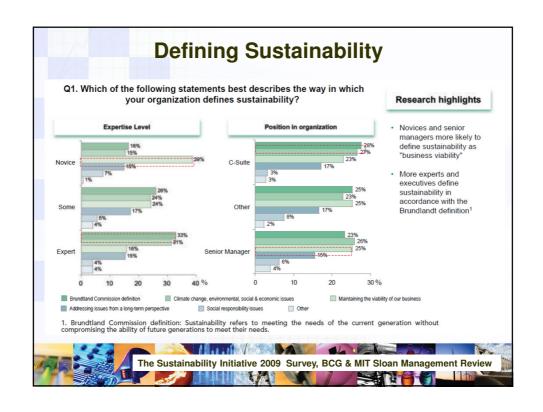
- 1. Low-carbon energy production
- 2. Energy efficiency
- 3. Control of water, waste and pollution
- 4. Climate finance

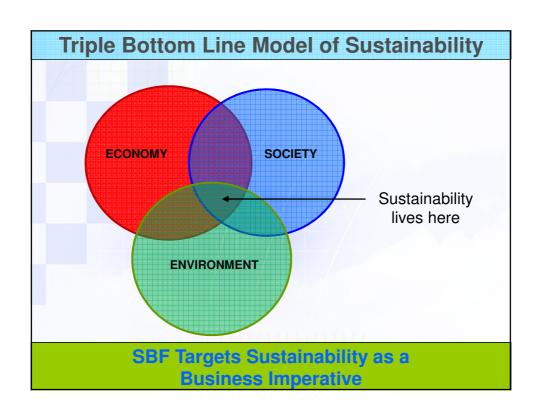
Plus could create 10M new jobs in 2020

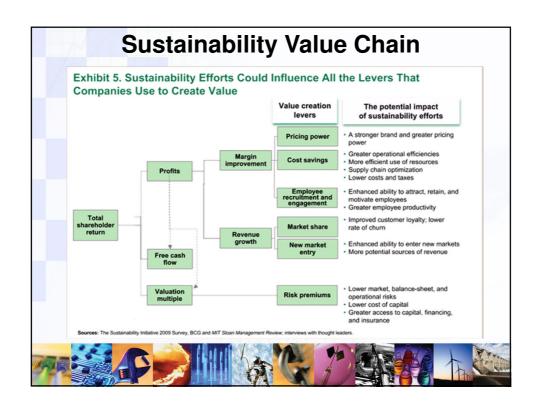
Generate additional economic growth worth as much as the green stimulus packages recently adopted by major governments

HSBC Global Research report, Sept. 2009









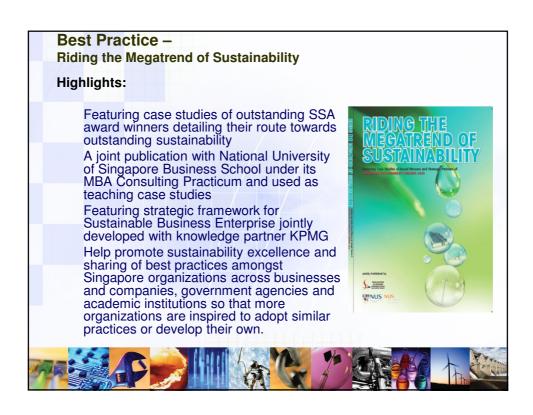


Strategic Framework – Participating Large and Small & Medium Enterprises				
Manufacturing Caterpillar REC Solar Robert Bosch Sony Electronics SPN Global	Transport/Logisti cs/Supply Chain DHL Greenpac Microwave Packagaing Tetrapak	Cleantech EnergyCorp Global Hooray Energy REC Solar Solargy	Energy & Utilities Senoko Energy Singapore Power	Environmental Svs/Water - EcoLab - Origin - Exterminator - Rhodia AP - Veolia ES
Green Building Boustead CDL Davis Langdon Seah Jurong Consultants Koon Construction	Banking & Finance ReEx Capital Asia State Street Bank	IT/High Tech/Telco 1-Net AsiaSoft Bus Media Network Singtel ST Electronics	Hospitality/Travel Fairmont Mandarin Orchard Siloso Beach Resort Resorts World Sentosa	Agriculture/Waste Mgmt & Recycling Agro Genesis Alpha Biofuel Camfill Farr Van der Horst Biofuel Winrigo
Engineering Svcs Natsteel Sembcorp Trane Distribution	Business Svcs G-Energy Paperlinx	Wholesale/Retail /Trading - Jebsen & Jessen	Govt Agencies JTC KTP Hospital Land Transport Authority National Library Board	Academic Inst. Nanyang Technological University Republic Poly Singapore Poly

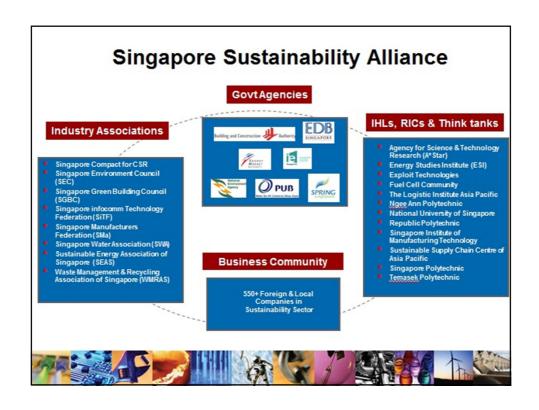




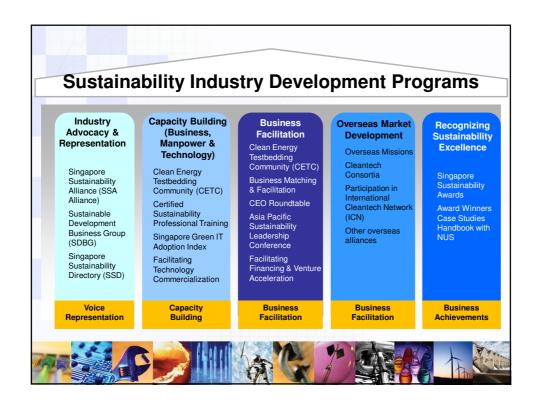










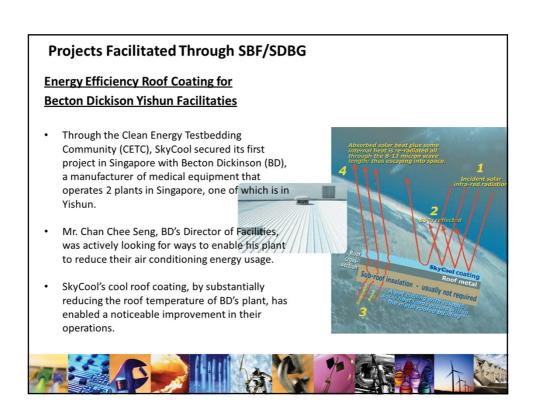












Projects Facilitated Through SBF/SDBG

Fuel Cell Projects by Gashub Technology

- With the setting up of Clean Energy Testbedding Community (CETC), Gashub has secured 2 projects from the Maritime and Port Authority of Singapore (MPA), namely an "Undersea Fuel Cell Powered Automated Sediment Trap System" together with DHI Water & Environment (S) Pte Ltd and Temasek Polytechnic funded by MPA.
- The second project was a "Fuel Cell Powered Boat" with Nanyang Technological University also funded by MPA.





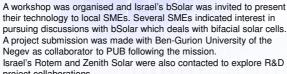




Projects Facilitated Through SBF/SDBG

Collaboration between Singapore and Israeli Companies

- SBF led a business mission to Israel from 27 Jun 1 Jul 2010 together with Israel Embassy with a team of 15 participants targeting at energy and environment sector.
- Highlights included
 - SEIT Pte Ltd signed an agreement with Israeli's Universal Environmental Technology (UET) on the last day of CLEANTECH 2010 in Israel.
 - Phoenix Solar and JP Asia Capital Partners estimated sales of \$120 mil and 2mil respectively based on IMAP feedback.
 - Ngee Ann Poly Centre of Innovation for Environment and Water Technologies also reported the following gains:-









Projects Facilitated Through SBF/SDBG

Hangzhou-Singapore Eco-park by Cleantech Partners

- SBF led a business mission to Hangzhou,
 Qianjiang from 23 26 Nov2009, as a follow-up
 to our successful earlier effort targeting the clean
 and green sector in China where we led a team
 of 18 companies covering Beijing, Baoding,
 Tianjin, Wuxi and Hangzhou from 14 19 Sep.
- Highlights included
 - MOU Signing of Hangzhou-Singapore Eco-Park (HSEP) between Hangzhou Qianjiang Economic Development Zone (HQEDZ) Management Committee and CleanTech Partners (CTP) from Singapore
 - MOU Signing on Green ICT Adoption Initiative & Joint Collaboration between Hangzhou Qianjiang Economic Development







Projects Facilitated Through SBF/SDBG

Singapore Companies participation in Sino-Singapore Tianjin Eco-city

- SSTEC has also highlighted the following companies who are either SBF members or nonmembers introduced by SDBG which are now in various stages of engagements with them in Tianjin Eco-city:-
- a) MOUs signed: STSE Engineering Services, ST Kinetics, ST Electronics, Tiong Seng, Philips, PV World. Ascendas
- b) Engaged: Dow Corning (China), Sembcorp Park Mgmt, PSA Corp, KPMG Advisory Services, MWH Consultants, Zeco Scooters, Du Pont Company (HK), GE Pacific, SolarWorld Asia Pacific, Aconex Singapore, Engro Corporation
- c) Services Partners: Jurong Consultants, Surbana, CPG Green / CPG

