Looking after the safety and health of workers in Singapore is a 24-hour job. As there are no superheroes in real life, we need safety heroes in our workplaces. Over the past year, the Workplace Safety and Health (WSH) Council has been working tirelessly with our partners and stakeholders on the ground to stem out unsafe work practices.

Focusing on three themes—Strengthening Industries’ Capabilities to Better Manage WSH, Promoting and Recognising Good WSH Performance and Raising WSH Standards—this Annual Report highlights the industry initiatives and major achievements in managing workplace safety and health issues. This Report also pays tribute to all the men and women who have so valiantly embarked on this journey with us towards a safer and healthier Singapore!
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CALENDAR OF EVENTS

April 2009
- National WSH Campaign (28 April – 24 July)

May 2009
- Formation of the WSH Council (Chemical Industries) Committee
- WSHC Forum—Risk Management Assistance Fund (RMAF)
- WSHC Forum—Crane Safety

June 2009
- Sharing Session on SPUR and Feedback on Draft WSH (SMS and Auditing) Regulations
- WSHC Forum—Inland/Inshore Commercial Diving Safety and Health
- WSHC Forum—Fall Protection Plan

July 2009
- Announcement of Formation of National Crane Safety Taskforce
- WSHC Forum—Metalworking Safety
- WSH Awards
- Accredited Training Providers (ATPs) Sharing Forum

August 2009
- Announcement of Formation of National Work at Height Taskforce
- Logistics and Transportation Safety Day
- WSHC Forum—Landscape Safety
- WSHC Forum—Improving Metalworking Safety

September 2009
- National Crane Safety Taskforce Media Briefing
- WSHC Forum—Working Safely in Confined Spaces
- WSHC Forum—Protecting the Safety and Health of our Unsung Heroes
AND KEY ACTIVITIES

**October 2009**
- Construction CEO Roundtable—Safety Leads Session
- Tripartite Study Trip to Europe on WSH
- WSHC Forum—Improving WSH in Logistics and Transportation
- Inaugural Marine CEO Summit

**November 2009**
- WSH Half-year Statistics Report published

**December 2009**
- National Work at Height Safety Taskforce Report

**January 2010**
- Information Sharing Session on Risk Management Competency Requirement for WSH Officers
- Safety Starts With Me Competition (15 January – 15 March)
- WSH Council e-gazetted Approved Codes of Practice (ACOPs)
- SH Connect for Landscape Sector
- Bi-annual ATPs Forum

**February 2010**
- bizSAFE Convention

**March 2010**
- WSH Statistics 2009 Media Briefing and Announcement of Construction and Marine Sectoral Plans
- 2010 Construction CEO Roundtable
- Taskforces Media Briefing
- WSHC Forum—Programme-based Engagement (ProBE)

SALUTING OUR SAFETY HEROES
We continue to build on the momentum of change. Financial Year (FY) 2009/10 was a fruitful year with many groundbreaking initiatives. I will briefly highlight a few, and leave you to browse through this report to discover more.

Over the past year, we have sought greater involvement from leaders at Chief Executive Officer (CEO) level to safeguard the safety and health of their employees. When workers are safer and healthier at work, they become more engaged and productive, and better able to enhance the bottom-line. Accidents sustained through poor management of WSH, on the other hand, will hurt the bottom-line. Beyond the immediate business impact of monetary losses and work stoppages, there are longer-term adverse consequences for the company’s reputation and workers’ morale and productivity. For these reasons and more, around 50 CEOs from the construction and marine industry sectors came together to sign the Commitment Charter for zero injuries, as well as to review their companies’ progress towards this pledge.
At the National WSH Campaign launch in April, we also launched the Workplace Health Strategy. To support this and address the deficiency in workplace health awareness, the Council will publish guidelines to better manage occupational diseases, together with a workplace health awareness kit for various sectors. In September 2010, together with MOM, we will organise the inaugural Singapore WSH Conference, to build industry capability in WSH and help to position Singapore as the Asian gateway for WSH thinking, innovation, technology and best practice.

Next year, we will launch the WSH Culture Building Programme to better understand and foster a strong WSH culture that will transcend organisations and industries. This programme will be structured to include analysis tools to evaluate the WSH culture in the organisation, diagnose areas for improvement, and identify interventions that will beneficially change and affect the culture so as to improve the WSH performance.

There has been a visible increase in industry’s capability to manage WSH since the initiation of the bizSAFE programme. Launched in April 2007, this capability-building programme has seen participation grow from 350 companies in early 2008 to almost 5,000 by March 2010. The second bizSAFE Convention in February 2010 attracted over 700 participants, up from 500 at its inaugural session in 2009. This indicates a growing interest in improving WSH performance. Overall our workforce is being trained to competently handle safety and health issues at the workplace. Close to 2,000 personnel have graduated from the different levels in the WSH Professionals (WSHP) Workforce Skills Qualifications (WSQ) training framework. To set guidance on the preferred practices and standards for industry to adopt, the Council also issued 28 Approved Codes of Practice.
"We should aim not only for as good a safety record as the developed countries, but to have one of the best workplace safety records in the world."

Prime Minister Lee Hsien Loong, at the launch of WSH Council, 2008

Although good progress has been made in reducing the fatality rate from 4.9 fatalities per 100,000 workers in 2005 to 2.9 in 2009, we seem to have arrived at a plateau these past two years. Together with the Prime Minister’s target, this tells us that we have to look beyond fatalities. We need to better measure safety and health incidents, and understand them and how they arise, to provide better underpinning to understanding what we have to do to achieve real breakthrough performance in WSH. There is much room for improvement.

As the WSH Act will cover all workplaces by September 2011, we will need to cast our safety and health net even wider to other sectors. In addition, we will continue to raise performance in sectors and activities which we already know materially contribute to WSH incidents and statistics, such as the construction and marine industry sectors, and activities involving cranes and working at heights.

The WSH Council works hand-in-hand with MOM, and will continue to leverage the strong partnership between public, private and people sectors. Progress we make is attributable to the support from them, and we wish all to continue to embrace safety and health as a priority at work. Beyond numbers, our vision is for a safe and healthy workplace for everyone in Singapore.

Mr Lee Tzu Yang
Chairman
Workplace Safety and Health Council
The work of the WSH Council is a testament of the collaborative efforts and invaluable work of the WSH stakeholders to bring progress to the WSH landscape in Singapore. I am honoured to present the FY 2009/10 Annual Report for the WSH Council.

We have embarked on several key tripartite collaborations in FY 2009/10 with the aim to improve the WSH landscape in Singapore. Let me highlight some of these key collaborations:

• **Workplace Safety and Health Guidelines: Cleaning and Custodial Services**

  Cleaning and custodial services is an area where WSH risks are often overlooked. These risks include working at height for cleaning of high-rise buildings and hazardous chemical handling for specialised cleaning. The National Trades Union Congress (NTUC) and WSH Council jointly developed this set of guidelines to make cleaning work safer by providing cleaning companies with technical information and practical tips on WSH practices.

• **Industry Consultation and the Launch of the WSH 2018 Sectoral Plans for the Construction and Marine Sectors**

  The WSH 2018, the national strategy for WSH for Singapore, highlighted the need for a differentiated sector-specific approach as a key strategy to bring down the workplace fatality rate to below 1.8 per 100,000 workers by the year 2018. Taking guidance from the national WSH 2018 strategy, the WSH Council (Construction and Landscape) Committee and the WSH Council (Marine Industries) Committee, in consultation with MOM and the industry, have developed the construction and marine sectoral strategies respectively. These sectoral strategies aim to develop a progressive and pervasive WSH culture and, more importantly, to sustain continuous improvement in WSH. Extensive consultations with industry stakeholders were conducted, leveraging heavily on our tripartite partners to ensure the effectiveness of the initiatives proposed.
• Tripartite Trip to Europe

Together with our tripartite partners, MOM and WSH Council embarked on a tripartite study trip to Europe to study the WSH strategies of countries with good WSH performances. The trip was useful in gathering insights and feasible strategies for building the business case for WSH, enhancing the WSH role of employers and employees, as well as improving our Workplace Health framework. Some of the strategies gathered will be further contextualised and implemented in Singapore.

While we have made good progress in reducing workplace fatality rates over the years, the WSH performance of the industry appears to have stagnated over the past two years. As a result, we have to step up our efforts to achieve further breakthroughs and sustained improvements. Taking guidance from the WSH 2018 document, the WSH Council will step up efforts and roll out the following initiatives in FY 2010/11:

• Strengthening industry capabilities to better manage WSH

Having developed both the construction and marine sectoral strategies to adopt a differentiated sector specific approach, we will monitor the implementation of the identified initiatives. In addition, WSH Council will continue to step up capability building efforts by developing the sectoral strategies for the other riskier sectors, namely, logistics and transport; metalworking and manufacturing; healthcare; and chemical.

Besides the development of sectoral strategies, we will also continue to focus our efforts to improve the competencies of WSH professionals—a key enabler to improve WSH standards in the industry. We will continue to work with Singapore Institution of Safety Officers (SISO) to develop continuing professional development programmes to ensure that the competencies of WSH professionals remain up to date and relevant.

Enterprises will also need risk assessment capabilities for good WSH performances. To help enterprises build risk management capabilities, we will continue to leverage on the Risk Management Assistance Fund (RMAF) which helps to offset part of the costs of implementing a risk management system. These capability building initiatives will equip the industry with the competencies to better manage WSH.

• Heightening engagement efforts with industry to increase WSH awareness

Stepping up our efforts in WSH promotion is an important step to increase WSH awareness. The three-month long National WSH Campaign this year saw several activities, such as the “Safety Starts with Me” photo mural which helped to raise public awareness of WSH. The campaign reached out to close to 60,000 stakeholders and engendered public awareness to safety and health.
Moving forward, we will focus our efforts to reach out to two key groups in 2010, namely top management and workers. For top management, we will continue to expand the depth and reach of our CEO summits and roundtables to increase top management participation and involvement in the “Pledge for Zero” initiative. For workers, we will extend the depth and reach of initiatives such as the iWSH newsletters and foreign dormitory roadshows to raise the level of WSH awareness.

In preparation for the extension of the WSH Act to cover all workplaces, the WSH Council will co-organise various activities such as WSH Clinics to educate stakeholders, from the sectors that will be newly covered, on their responsibilities under the WSH Act, key WSH risks in their sectors and measures they can take to manage such risks.

- Setting acceptable standards and best practices

In FY 2010/11, we will continue with the development of guidelines and standards in the areas of lift installation and demolition, management of hazardous chemicals, compressed air and other key risk work areas. We will continue with studies to improve the designs of tentages and their construction methods as the current methods employed in the industry can be made safer.

In line with the extension of the WSH Act to cover all workplaces, the WSH Council will also develop guidance materials and publications to guide and assist stakeholders to manage the risks at their workplaces.

As WSH Council looks towards a breakthrough in the stagnation in WSH performance, I would like to express my sincere gratitude to all our WSH Council Committees and Taskforce members for their continued support and feedback. I would also like to show appreciation to the industry stakeholders and our tripartite partners, for staying vigilant and incessantly drumming the safety and health messages into our workers.

While the year ahead will be challenging, I believe that our efforts are worthwhile and meaningful as all of us play a pivotal role to ensure the safety and health of all our workers. We should continue to reach out to the unconverted so that we can engender a pervasive mindset change in the industry. Although there are no superheroes in real life, it is not difficult to find safety heroes among us. Let us continue, in our own ways and efforts, to steer the course for our WSH movement.

Mr Kevin Teoh
Acting Executive Director
Workplace Safety and Health Council

SALUTING OUR SAFETY HEROES
Mr Lee Tzu Yang
Chairman
Chairman,
Shell Companies in Singapore

Mr Karthikeyan s/o R. Krishnamurthy
Member
General Secretary,
United Workers of Petroleum Industry (UWPI)

Mr Heng Chiang Ghee
Deputy Chairman
Chief Executive Officer,
Maritime Sustainability Pte Ltd

Mr Jackson Yap Kit Siong
Member
Group Managing Director and Chief Executive Officer,
United Engineers Ltd (UE)

Mr Quek Keng Liang
Member
Chairman,
Singapore Logistics Association (SLA)

A/Prof Lim Meng Kin
Member
Associate Professor,
Department of Epidemiology and Public Health, Yong Loo Lin School of Medicine, National University of Singapore (NUS)

Prof Poo Aun Neow
Member
Director,
Bachelor of Technology Programme, Faculty of Engineering, National University of Singapore (NUS)
WSH Council’s

Functional Committee
- Engagement and Outreach
- Industry Capability Building

Industry Committees
- Chemical Industries
- Construction and Landscape
- Healthcare
- Logistics and Transport
- Marine Industries
- Metalworking and Manufacturing

Taskforces
- National Crane Safety Taskforce
- National Work at Height Taskforce
ORGANISATIONAL CHART

EXECUTIVE COMMITTEE

Mr Lee Tzu Yang
Chairman
Chairman, Shell Companies in Singapore

Mr Heng Chiang Gnee
Deputy Chairman
Chief Executive Officer, Maritime Sustainability Pte Ltd

Mr Soh Kong Pheng
Member
Chief Executive, Defence Science & Technology Agency (DSTA)

Mr Jackson Yap Kit Siong
Member
Group Managing Director and Chief Executive Officer, United Engineers Ltd (UE)

Er. Ho Siong Hin
Member
Commissioner for Workplace Safety and Health, Ministry of Manpower (MOM)

FINANCE COMMITTEE

Mr Quek See Tiat
Chairman
Deputy Chairman and Partner, PricewaterhouseCoopers

Mr Chia Ngiang Hong
Member
Group General Manager, City Developments Ltd

Mr Yeo Guat Kwang
Member
Alignment Director, Quality Worklife & All Nationalities, National Trades Union Congress (NTUC)

Mr Ramaswamy Athappan
Member
Chief Executive Officer, First Capital Insurance Ltd
INDUSTRY COMMITTEES

CHEMICAL INDUSTRIES COMMITTEE (CI)

Mr K. Karthikeyan
Chairman
General Secretary,
United Workers of Petroleum Industry (UWPI)

Mr Lawrence Cheung
Deputy Chairman
Chairman,
Singapore Chemical Industry Council (SCIC)

Mr Jerome Baco
1st Vice Chairman,
Waste Management & Recycling Association of
Singapore (WMRAS)

Mr Ang Boon Tian
Honorary Auditor,
Occupational and Environmental Health Society (OEHS)

Mr Christopher R. Dobson
Vice President/ Site Director,
GlaxoSmithKline Pte Ltd

Mr G. Rajendran
President,
Chemical Industries Employees Union (CIEU)

Mr James Er Chong Tea
General Manager and Chief Executive Officer,
Singapore Refining Company Pte Ltd

Mr James Goh Heng Chew
President,
Association of Process Industry (ASPRI)

LTC Lian Wee Teck
Director,
Hazmat Division,
Singapore Civil Defence Force (SCDF)

Mr LRS Mani
General Manager,
Eastman Chemical Singapore Pte Ltd

Mr Niranjan Masurekar
Exco Member,
Singapore Institution of Safety Officers (SISO)

Mr Ong See Hee
President,
Society of Loss Prevention (SLP)

Mr Simon Li Suet Man
Honorary Treasurer,
Singapore Manufacturers’ Federation

Mr Tan Quee Hong
Director,
Pollution Control Department
National Environment Agency (NEA)

Mr Woo Siew Wah
Managing Director,
Singapore Oxygen Air Liquide Pte Ltd (SOXAL)

CONSTRUCTION AND LANDSCAPE COMMITTEE (CN&L)

Mr Jackson Yap Kit Siong
Chairman
Group Managing Director and
Chief Executive Officer,
United Engineers Ltd (UE)

Mr Chia Ngiang Hong
Deputy Chairman
Group General Manager,
City Developments Ltd

Mr Eugene Yong Kon Yoon
Deputy Chairman
Director,
Woh Hup Pte Ltd
AND TASKFORCE MEMBERS

Mr Reggie Lim  
EH&S Manager,  
Safety OpEx Asia, Bovis Lend Lease Pte Ltd

Er Koh Boon Liang  
Vice President,  
Association of Consulting Engineers  
Singapore (ACES)

Dr Ling Yean Yng, Florence  
Council Member,  
QS Division, Singapore Institute of Surveyors  
and Valuers (SISV)

Mrs Trina Loh  
Committee Member,  
Real Estate Developers Association of  
Singapore (REDAS)

Mdm Jennie Yeo Kha Keaw  
Deputy Executive Secretary,  
Building Construction & Timber Industries  
Employees Union (BATU)

Mr Desmond Hill  
Immediate Past President,  
Singapore Contractors Association Limited  
(SCAL)

Mr Simon Lee Fun  
Executive Director,  
Singapore Contractors Association Limited  
(SCAL)

Mr Soh Hong Kuan Bernard  
Exco Member,  
Singapore Institution of Safety Officers (SISO)

Mr Lim Poo Yam  
Deputy Director,  
Safety Division, Land Transport Authority (LTA)

Dr Ting Seng Kiong  
Deputy President (Academic),  
Singapore Institute of Technology (SIT)

Mr Tan Kai Hong  
Council Member,  
Institution of Engineers Singapore (IES)

Dr Leong Chee Chiew  
Deputy Chief Executive Officer, (Professional  
Development & Services Cluster) and  
Commissioner, Parks & Recreation,  
National Parks Board (NParks)

Ms Maria Boey Yuet Mei  
President,  
Institute of Parks and Recreation (IPR)

Mr Anthony Ma  
Management Committee Member,  
Specialists Trade Alliance of Singapore

Mr Yeo Kirk Siang  
Acting Deputy Director,  
Manpower Planning Department, Building &  
Construction Authority (BCA)

Mr Chan Kok Way  
Honorary Treasurer,  
Singapore Institute of Architects (SIA)

Er Goh Keng Cheong  
Acting Head (Construction Safety &  
Quality Audit),  
Building & Infrastructure Department,  
Housing & Development Board (HDB)

HEALTHCARE COMMITTEE (HC)

A/Prof Lim Meng Kin  
Chairman  
Associate Professor,  
Department of Epidemiology and Public Health,  
Yong Loo Lin School of Medicine,  
National University of Singapore (NUS)

Mrs Jeanne Lim  
Deputy Chairperson  
Assistant Vice President,  
Quality Division, ParkwayHealth
Mr Edward Poon Wing Hong
Director of Nursing,
Dover Park Hospice

Dr Ong Bee Ping
Head (Health Services Legislation),
Health Services and Health Research Planning Division, Ministry of Health (MOH)

Mr Foo Hee Jug
Chief Executive Officer,
Jurong General Hospital

Dr Tan Yia Swam
Council Member,
Singapore Medical Association (SMA)

Dr Gregory Chan Chung Tsing
President,
Occupational & Environmental Health Society

Dr Bertrand Chew
Honorary Secretary,
Singapore Dental Association

Ms Belina Tham
Executive Director,
Singapore Nurses Association

Mr Simon Ong Teck Leong
General Treasurer,
Healthcare Services Employees’ Union

Mrs Alice Chew
Senior HR Manager,
National Skin Centre,
National Healthcare Group

LOGISTICS AND TRANSPORT COMMITTEE (L&T)

Mr Quek Keng Liang
Chairman
Chairman,
Singapore Logistics Association (SLA)

Mr Tan Puay Hin
Deputy Chairman
Chief Operating Officer Southeast Asia,
PSA International Pte Ltd

Mrs Rebecca Tan-Loke
Vice President (HR),
Singapore Airport Terminal Services Ltd (SATS)

Mr Steven Lee Joo Kang
Chairman,
Singapore Air cargo Agents Association (SAAA)

Mr Ng Boon Hong
Chairman,
Singapore Transport Association (STA)

Mr Fang Chin Poh
General Secretary,
National Transport Workers' Union (NTWU)

Mr Ameer Hamzah s/o Abul Nasir
General Secretary,
Singapore Port Workers' Union (SPWU)

Mr Lim Ah Kiat
Chairman,
Singapore Stevedores’ Union

Mr Fong Kok Wai
EVP (Engineering & Development),
Changi Airport Group (Singapore) Pte Ltd

Mr Colin P Fordham
Associate Director,
Ampex Insurance Brokers Pte Ltd

Mr Fong Yue Kwong
President,
Jurong Port Pte Ltd

Mr Poh Key Boon
Executive Director,
Poh Tiong Choon Logistics Pte Ltd

Mr Lim Poo Yam
Deputy Director,
Safety Division, Land Transport Authority (LTA)

Cpt Henry Heng Fok Yong
Deputy Port Master,
Maritime and Port Authority of Singapore (MPA)
Mr Sharafdeen s/o A R
President,
Container Depot Association (Singapore) (CDAS)

Mr Yeo Tiong Joo
General Manager,
OCWS Logistics Pte Ltd

Mr Cheong Yew Fei Randy
Member,
Singapore Chemical Industry Council (SCIC)

MARINE INDUSTRIES COMMITTEE (MI)

Prof Poo Aun Neow
Chairman
Director,
Bachelor of Technology Programme,
Faculty of Engineering,
National University of Singapore (NUS)

Mr Michael Chia
Deputy Chairman (April 2008 – June 2009)
Executive Director,
Keppel FELS Ltd

Mr Wong Weng Sun
Deputy Chairman (June 2009 – April 2010)
President,
Association of Singapore Marine Industries (ASMI)

Mr Wong Peng Kin
Member
Vice President,
Association of Singapore Marine Industries (ASMI)

Mr Abu Bakar Mohd Nor
Chairman,
ASMI Safety Committee, Association of Singapore Marine Industries (ASMI).

Ms Winnie Low
Executive Director,
Association of Singapore Marine Industries (ASMI)

Mr Seah Liang Bing
Assistant Secretary,
Singapore Institution of Safety Officers (SISO)

Mr Nelson Yeo
Executive Director,
Keppel Shipyard Limited

Mr Lim Nian Hua
Vice President,
Singapore Technologies Marine Ltd

Mr Ong Poh Kwee
Managing Director,
Sembawang Shipyard Pte Ltd

Mr Patrick Phoon
Councillor and Treasurer,
Singapore Shipping Association (SSA)

Ms Goh Sor Imm
Head,
Shipbuilding and Marine Engineering Employees’ Union (SMEEU)

Mr Chen Chin Kwang
President,
Society of Naval Architects & Marine Engineers Singapore (SNAMES)

Mr Philip Yeo Hock Beng
Senior Marine Surveyor,
Maritime and Port Authority Singapore (MPA)

Mr Ong Say Cheng
Director,
Penguin Shipyard International Pte Ltd

Mr Dennis C Carroll
Managing Director,
Damen Shipyards Singapore

A/Prof Foo Swee Cheng
Council Member,
Institution of Engineers Singapore (IES)
**METALWORKING AND MANUFACTURING COMMITTEE (MW&M)**

- **Prof Low Teck Seng**
  Chairman
  Deputy Managing Director (Research),
  Agency for Science, Technology and Research (A*STAR)

- **Mr K. Karthikeyan**
  Deputy Chairman
  General Secretary,
  United Workers of Petroleum Industry (UWPI)

- **Mr Lai Weng Kee**
  Deputy Chairman
  Vice President,
  Kinetics Integrated Manufacturing ST Kinetics

- **Er Lim Sui Soon**
  Director of HSSE, APME & EE,
  Cameron (Singapore) Pte Ltd

- **Mr Jordan Tan**
  General Manager,
  Baker Oil Tools Asia Pacific

- **A/Prof Ang Hock Eng**
  Associate Professor,
  School of Mechanical & Aerospace Engineering, Nanyang Technological University (NTU)

- **Mr Leong Seng Yang**
  WSH Manager,
  Domestic Appliances Product, Philips Electronics Singapore Pte Ltd

- **Mr Mack Moey**
  Director SPUR @ SNEF,
  Singapore National Employers Federation (SNEF)

- **Mr Mah Cheong Fatt**
  Head,
  Industrial Relations, Metal Industries Workers’ Union (MIWU)

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**Mr Tan Gark Lim**
General Manager,
Enterprise Development Centre @ Association of Small Medium Enterprises (ASME)

**Mr Andrew H S Tan**
Vice President,
Singapore Institution of Safety Officers (SISO)

**Mr James Arul Samuel**
Chairman,
Responsible Care Committee, Singapore Chemical Industry Council (SCIS)

**Ms Soh Guat Hiong**
Asia Pacific EHS Director,
Motorola Electronics

**Mr Reza Nikfar**
Operations Vice President,
Seagate Technology International

**Mr Roger Lim**
EHS Director,
Seagate Technology International

**Mr Bensonn Ong**
Chairman,
Bedok Safety Group

**Mr Foo Fook Khang**
Committee Member,
Workmens Compensation & Others, General Insurance Association (GIA)

**Mr Gwee Seng Kwong**
Secretary General,
Singapore Manufacturers’ Federation (SMa)

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**INDUSTRY CAPABILITY BUILDING COMMITTEE (ICB)**

**Mr Soh Kong Pheng**
Chairman
Chief Executive,
Defence Science & Technology Agency (DSTA)
Mr Edwin Yap  
Deputy Chairman  
President,  
Singapore Institution of Safety Officers (SISO)

Mr Ameer Hamzah s/o Abul Nasir  
General Secretary,  
Singapore Port Workers Union (SPWU)

Dr Ting Seng Kiong  
Deputy President (Academic)  
Singapore Institute of Technology (SIT)

Mr Simon Lee  
Executive Director,  
Singapore Contractors Association Limited (SCAL)

Er Lim Sui Soon  
Director of HSSE, APME & ACR,  
Cameron (Singapore) Pte Ltd

Dr Jason So  
Medical Director,  
Occupational Health and Safety Division,  
Parkway Health Primary Care Network

Mr Wong Peng Kin  
Vice President,  
Association of Singapore Marine Industries (ASMI)

Dr Hee Soo Yin  
Director,  
Generic Skills Development Division,  
Singapore Workforce Development Agency (WDA)

ENGAGEMENT AND OUTREACH COMMITTEE (E&O)

Ms Kala Anandarajah  
Chairperson  
Partner,  
Head, Competition & Trade, Rajah & Tann

Mr Dominic Nathan  
Deputy Chairperson  
Editor,  
The New Paper, Singapore Press Holdings

Ms Chua Bee Hong  
Deputy Chairperson  
Executive Director,  
Association of Accredited Advertising Agents Singapore (4As)

Mdm Jennie Yeo Kha Keaw  
Deputy Executive Secretary,  
Building Construction & Timber Industries Employees Union (BATU)

Mr Fok Fook Kong  
Head (Emergency Preparedness),  
National Environment Agency (NEA)

Mr Andrew Khng  
President,  
Singapore Contractors Association Limited (SCAL)

Ms Chia Yei Yei, Cindy  
Senior Correspondent,  
Lianhe Zaobao, Singapore Press Holdings

Mr Michael Ho  
Committee Member,  
Waste Management & Recycling Association of Singapore (WMRAS)

Ms Margaret Heng  
Executive Director,  
Singapore Hotel Association (SHA)

Mrs Margarita Loh  
Deputy Director,  
Community Partnership (Central), Land Transport Authority (LTA)

Mr Arthur Khong  
Council Member,  
Singapore Human Resources Institute (SHRI)

Ms Winnie Low  
Executive Director,  
Association of Singapore Marine Industries (ASMI)

Mr Ong Yong Seng  
Executive Member,  
Singapore Institute of Safety Officers (SISO)
Mr Birch So  
Council Member,  
Singapore Manufacturers’ Federation (SMa)

Mr Bensonn Ong  
Chairman,  
Bedok Safety Group

TASKFORCES

NATIONAL CRANE SAFETY TASKFORCE

Mr Tan Wee Seng  
Chairman  
Managing Director,  
Bovis Lend Lease Pte Ltd

Mr Albert Chua Yew Chye  
General Manager,  
Liebherr-Singapore Pte Ltd

Mr Chiang Soon Hock  
Committee Member,  
Association of Singapore Marine Industries (ASMI)

Mr Frankie Tan  
Committee Member,  
Singapore Crane Association (SCA)

Mr John Stewart  
General Manager,  
Manitowoc Cranes

Mr Neo Choon Keong  
Director,  
Building and Construction Authority (BCA)

Mr Wilfred Tan  
Managing Director,  
Tiong Woon Crane & Transport Pte Ltd

Mr Yeo Kim Hock  
Committee Member,  
Singapore Contractors Association Ltd (SCAL)

Mr Chan Yew Kwong  
Deputy Director,  
Ministry of Manpower (MOM)

Er. Mohd Ismadi  
Deputy Director,  
Ministry of Manpower (MOM)

NATIONAL WORK AT HEIGHT (WAH) TASKFORCE

Mr Wong Weng Sun  
Chairman  
President and Chief Executive Officer,  
Sembcorp Marine Ltd

Mr Abu Bakar  
Council Member,  
Association of Singapore Marine Industries (ASMI)

Mr Brad Gates  
Managing Director,  
Capital Safety Group Asia

Mr Howard How  
Member,  
Singapore Contractors Association Ltd (SCAL)

Mr Jonathan Wan  
President,  
Access and Scaffold Industry Association (ASIA)

Mr Reggie Lim  
EH&S Manager,  
Safety OpEx Asia, Bovis Lend Lease Pte Ltd

Mr Ronnie Tan  
Director,  
QMT Industrial & Safety Pte Ltd

Mr Simon Low  
Director,  
PRESCO Scaffolding & Services Pte Ltd

Mr Suresh Navaratnam  
Director,  
Ministry of Manpower (MOM)
STRENGTHENING WSH CAPABILITIES
MADAN! LET'S QUICKLY GET THIS JOB DONE AND WE CAN CALL IT A DAY...

YOU TIDY UP THE GUARDRAIL WHILE I GO DOWN AND CHECK ON THE PAINTWORK...

OK!

YOU SHOULDN'T GO DOWN INTO THE CONFINED SPACE. I DON'T SEE ANY ENTRY PERMIT.

HUH? BUT ABHRA...

WE SHOULD GET THE CSSA* TO CONDUCT THE GAS TESTING AND THEN APPLY FOR PERMIT.

WHY SO TROUBLESome? WE'RE GOING IN FOR FIVE MINUTES ONLY!

IT'S SAFER THAT WAY. YOU WAIT HERE. I GO ASK MR. CHIN WHAT WE SHOULD DO!

*CONFINED SPACE SAFETY ASSessor
OK GUYS…LET'S GET TO WORK…

WAIT… WHERE'S ABHRA?!

WHAT'S THE BIG DEAL? BY THE TIME MADAN COMES BACK...

...I WOULD'VE FINISHED CHECKING THE PAINTWORK IN THE STORAGE TANK.

MR CHIN!

HEY MADAN! WE'RE ON OUR WAY TO CONDUCT GAS TESTING FOR THE STORAGE TANK...LET'S HEAD BACK THERE!

UPON ARRIVING AT THE MANHOLE...

OK GUYS...LET'S GET TO WORK...

HE'S DOWN THERE!!

WAIT... WHERE'S ABHRA?!
QUICKLY! VENTILATE THE STORAGE TANK WHILE I ALERT THE ERT*!!

ERT ARRIVES AT THE MANHOLE...

SINGAPORE CIVIL DEFENCE FORCE (SCDF) PARAMEDICS LOAD ABHRA INTO AN AMBULANCE...

I THINK HE HAS FAINTED!!
HOW ARE YOU, MY FRIEND?

I’M OKAY, MADAN. THANK YOU FOR SAVING MY LIFE...

I SHOULD’VE LISTENED TO YOU. IF NOT FOR YOUR QUICK THINKING, I WOULD’VE LOST MY LIFE.

MAYBE I SHOULD ATTEND A SAFETY COURSE TO IMPROVE MY SAFETY AWARENESS?

I’LL GO WITH YOU! I ALSO NEED A REMINDER IN SAFETY!

LET ME ASK MR CHIN ABOUT WSH COURSES ON CONFINED SPACE SAFETY THAT ARE RECOMMENDED BY THE WSH COUNCIL.

YES, WE BOTH SHOULD BE MORE ALERT ABOUT SAFETY SO THAT WE CAN GO HOME SAFELY AFTER A HARD DAY’S WORK!
WSH Council is committed to help businesses create a safer and healthier work environment for workers. Believing that prevention is of paramount importance, WSH Council, in the past year, has put in tremendous efforts to help businesses and workers build capabilities so that they can be competent in taking charge of their own safety.
WSH Professionals Workforce Skills Qualifications Framework

The WSH Professionals (WSHP) Workforce Skills Qualifications (WSQ) framework is the key thrust in building the WSH capability of our workforce. Launched in April 2008, the framework was co-developed with Singapore Workforce Development Agency (WDA), Ministry of Manpower (MOM) and the industry to ensure that competencies keep pace with industry development.

The framework provides clear pathways for career progression and upgrading for aspiring WSH professionals. To date, close to 7,000 trainees had attained various qualification levels within the WSHP WSQ framework.

"The flexible nature of this well-structured modular course offers working professionals of varying academic backgrounds and work experiences an excellent opportunity to seek continuous upgrading."

Choo Teng Yam
Senior Manager
Facilities & Equipment Engineering
Apart from the WSHP WSQ framework, WSH training goes beyond the WSH professionals and includes members of the general workforce. Both local and foreign employees are provided with relevant WSH information and training so that they can implement WSH systems effectively and apply them at work.

New Trade-Specific WSH For Marine Industry Workforce Skills Qualifications Framework

In collaboration with WDA, MOM, Association of Singapore Marine Industries (ASMI) and major shipyards, Council launched the 13 trade-specific competency standards under the WSH for Marine Industry Trade-Specific WSQ framework in June 2009. These standards equip marine workers with WSH knowledge and trade skills specific to their areas of work. This is crucial in safeguarding lives and preventing accidents. With a structured competency framework in place, marine workers can also look forward to better performance management and career prospects in the sector which employed close to 116,900 workers in 2009.1

"[Our employee] Raymond has benefited greatly from the systematic training and this is evident in his work. His knowledge in safety and competency skills has sharpened considerably... On the whole, WSQ WSH course is extremely advantageous for the company and it bodes well for the industry as well!"

Richard Pang
Senior Corporate Manager
Kay Lim Construction Pte Ltd

1 Source: Ministry of Manpower (MOM)

New Project Safety and Health Coordinator Course

WSH Council (Construction and Landscape) Committee worked with MOM to launch the Guidelines on Design for Safety in Buildings and Structures in 2008. In the new Guidelines, the Project Safety and Health (PSH) Coordinator role was introduced and a competency-based course was created. The PSH Coordinator is appointed by the client to see the project from its beginning to the end when the building is handed back to the client for maintenance. In addition, a special “Train-the-Trainers” course was conducted to train potential trainers for the PSH Coordinator Course in FY 2009/10.

Enhanced Metalworking Safety Orientation Course

The metalworking sector accounts for the third largest number of workplace fatalities in 2009, after the construction and marine sectors. To enhance the workers’ ability to manage WSH issues and raise awareness of their employment rights and responsibilities, WSH Council and MOM introduced a new component to the Metalworking Safety Orientation Course (MSOC). From 1 October 2009, all foreign workers must pass the Worker Safety and Wellbeing Test as a requisite for their continued employment in Singapore. 4,000 workers have already been trained under this enhanced course.

Enhanced WSQ Forklift Operator Course

In the national drive for competency-based training, WDA, together with WSH Council, MOM and industry partners, developed and launched the “Operate Forklift” WSQ Competency Standard on 1 October 2009 which replaced the Forklift Driver’s Training Course. The training emphasises the need for trainees to demonstrate skills and knowledge proficiency before they qualify as forklift operators.
**Setting Standards For Training Providers**

To propel local WSH training service providers to higher standards, there is a need to provide clarity on the expected standards from Accredited Training Providers (ATPs). In response, WSH Council initiated the development of the Curriculum Development Advisory (CDAs) for numerous MOM-accredited courses. Some of the CDAs such as Lifting Safety Course for Supervisors (LSSC), Explosive Powered Tools course for Operators (EPTO), Building Construction Supervisor Safety Course (BCSS) will be launched in FY 2010/11.

The CDAs provide ATPs with greater clarity on the expected standards required for conducting the courses, such as details on course-learning objectives, learning outcomes, syllabus and table of specifications. The CDAs will be introduced progressively as standard advisories that are to be adopted by ATPs when they conduct MOM-accredited courses.

In line with the ongoing enhancements to the WSH training landscape in Singapore, WSH Council constantly reviews the standards of training delivery and administration of the MOM ATPs. It also recommends key changes to the parameters of the ATPs Terms and Conditions.

WSH Council also reinforces the WSH training framework with regular assessments and spontaneous audits. In FY 2009/10, 17 surveillance audits and four verification audits were carried out on ATPs. As a result of audit findings, three ATPs were suspended for serious breaches of the ATP Terms and Conditions.

In our efforts to enhance the standards of WSH ATPs, two forums were organised for ATPs in FY 2009/10. The forums provided a common platform for sharing audit findings and observations of best practices from the various ATPs. Participants were also updated on the latest WSH developments in the industry.

**Enhancing Trainers’ Competencies**

Competent trainers are critical to develop a world-class system that delivers a high-standard of WSH training. To produce quality trainers, aspiring trainers are encouraged to enhance their professional advancement through the attainment of Advanced Certificate in Training and Assessment (ACTA) issued by WDA. This not only certifies their competency in course delivery but also helps to enhance the quality of WSH training in Singapore.

A recent survey conducted by WSH Council revealed that 65% of our WSH trainers are ACTA certified. There are also indications that the rest of the WSH trainers are planning to obtain their ACTA certification. This is a healthy indication that the industries are taking measures to improve and enhance their training quality and standards.
WSH Council developed bizSAFE, a five-step programme to assist small- and medium-sized enterprises (SMEs) to build their WSH capabilities. SMEs are guided through the journey, starting from top management demonstrating their commitment towards WSH, to acquiring risk management capabilities and implementing a WSH management system.

**Driving Improvements through Large Organisations**

Large companies are pivotal in instilling a strong safety and health culture in their industry sectors. Hence, tapping on large organisations to help shape the WSH culture of their suppliers and contractors is a key to improve the WSH performance of the industry.

By March 2010, close to 5,000 companies have become bizSAFE Enterprises. This warm response was partly attributed to the support of our 220 bizSAFE Partners who made it a requirement for their contractors and business associates to be similarly bizSAFE recognised.

This requirement has a cascading effect as each bizSAFE Partner is committed to reach out to a targeted number of SMEs within a stipulated timeframe. In addition, many large organisations made it a tender and contractual requirement for contractors to have implemented risk management and/or obtained bizSAFE Level 3 recognition.


Government agencies and associations who are bizSAFE Partners include Defence Science & Technology Agency (DSTA), Housing & Development Board (HDB), JTC Corporation, Land Transport Authority (LTA), Ministry of Manpower (MOM), National Parks Board (NParks) and Town Councils.

“Our principal and business partners are aware of [the] commitment and efforts [we put into] achieving the bizSAFE STAR. It reflects our dedication and responsibility in delivering results safely and without delay.”

Michael Lee
Manager
PLC Scaffolding
Winner of WSH Awards for bizSAFE STAR
bizSAFE Community

- FY07: 550
- FY08: 1,683
- FY09/10: 2,671

bizSAFE Enterprises Total: 4,904
bizSAFE Partners Total: 228
bizSAFE Mentors Total: 10

Industry Breakdown of bizSAFE Enterprises*

- Marine: 20%
- Manufacturing: 19%
- Construction: 42%
- Transport: 4%
- Hotels: 1%
- Others: 13%
- Chemical: 1%

*Total: 4,904
(as of 31 March 2010)
**Good Business Sense that Translates into Profitability**

The cause for WSH was further strengthened with the creation of a strong direct link between the cost of insurance premiums and WSH performance. WSH Council has established an agreement with American International Group (AIG) to offer lower insurance premium for work injury compensation (WIC) for SMEs that have attained bizSAFE Levels 3 to 5. Hence, companies which have successfully implemented risk management and WSH Management Systems at their workplace pays a lower premium.

WSH Council also collaborated with Liberty International Underwriters (LIU) as a bizSAFE Partner to offer an enhanced work injury compensation insurance package that includes practice rehabilitation and medical care.

Not resting on its laurels, in February 2010, WSH Council organised its second bizSAFE Convention which included different tracks to cater to participants with different WSH needs. To extend its reach, WSH Council also organised bizSAFE Cluster Seminars and participated in various industry-led safety events to promote bizSAFE to contractors and vendors.

**RISK MANAGEMENT ASSISTANCE FUND**

Launched on 28 April 2006, the Risk Management Assistance Fund (RMAF) assists SMEs to defray the cost of building in-house risk management capabilities. RMAF enables an SME that engages an approved risk management consultant to claim up to 90% of the consultancy cost, capped at $6,000 per SME.

By FY 2009/10, RMAF had disbursed over $6 million to more than 1,000 companies. There are currently 20 RMAF agents facilitating RMAF applications for SMEs.
PROMOTING AND RECOGNISING GOOD WSH PERFORMANCES
RAJOO, GOOD JOB! UNDER YOUR SUPERVISION, THE PROJECT HAS JUST PASSED ONE-MILLION HOURS OF WORK WITH ZERO FATALITIES!

THIS PERFECT SAFETY RECORD MEANS WE CAN FINISH THIS BUILDING AHEAD OF TIME!

THANK YOU, MR JONES. "ZERO FATALITIES" WAS THE TARGET MY PROJECT TEAM SET, AND I AM HAPPY TO ACHIEVE IT!

KEEP THIS UP, AND I'M SURE YOU'LL BE REWARDED!

RAJOO AND I HAVE THE SAME EXPERIENCE; WE WORK AT DIFFERENT WORKSITES BUT WE DO THE SAME JOB. WHY DOES HE GET ALL THE RECOGNITION AND NOT ME?
CONGRATS RAJOO!
WHAT'S YOUR SECRET?
DO YOU THINK I CAN VISIT YOUR WORKSITE TO LEARN FROM YOU?

COME, COME,
IT'LL BE MY PLEASURE TO SHOW YOU AROUND!

OF COURSE, RAJOO.
I'LL BE THERE TOMORROW...

THANKS CHENG!
NO SECRET LA...

I JUST PRACTICE GOOD WSH STANDARDS!

CHAN?

CONGRATS RAJOO!
WHAT'S YOUR SECRET?
DO YOU THINK I CAN VISIT YOUR WORKSITE TO LEARN FROM YOU?
Hi Cheng! Let me get you some PPE first.

Need PPE ah? I'm just here for a quick visit Rajoo!

No need for troublesome gear lah.

This is our worksite policy. We insist that everyone who visits the site wears PPE.

So tidy! This worksite is so much neater than mine.

They have properly laid steel plates placed side by side...

...and even trained riggers, signalmen and supervisors to guide the crane...

...my worksite has none of these.

Rajoo, how come your workers are so organised?

We make sure that there is a proper lifting plan and PTW* system before every lift.

* PERMIT-TO-WORK
IT ALSO HELPS THAT ALL OUR LIFTING PERSONNEL ARE TRAINED AND COMPETENT.

ON TOP OF THAT, ALL OUR CRANES UNDERGO MAINTENANCE FROM TIME TO TIME. THEY ARE INSPECTED YEARLY BY AN AUTHORISED EXAMINER.

AND EVERY MORNING, THE OPERATOR HAS TO COMPLETE A CHECKLIST WHILE INSPECTING THE CRANE’S CONDITION.

YOU MEAN THERE ARE SO MANY THINGS TO DO JUST TO USE ONE CRANE?

WON’T ALL THAT CHECKING SLOW DOWN THE PROJECT?

NO. SAFETY SHOULD NOT BE COMPROMISED. EVERY WORKER DESERVES TO GO HOME SAFELY AT THE END OF EACH WORKDAY.

BUT AFTER TODAY, I CAN SEE THAT YOUR TEAM DOES A LOT TO MAKE SURE YOUR WORKERS ARE SAFE.

THANKS, CHENG.

CAN YOU SHARE WITH ME SOME TIPS HOW I CAN IMPROVE MY WORKSITE?

SURE! THE WSH COUNCIL IS ORGANISING A CRANE SAFETY FORUM NEXT WEEK, WHY DON’T YOU JOIN ME?

RAJOO, I MUST BE HONEST. I JUST THOUGHT YOU WERE LUCKY.
Many companies, large and small, have started their quest for safer and healthier workplaces. While many are walking strong and proud, some do, however, need encouragement every now and then. That is why WSH Council is constantly on the lookout to help companies refresh their commitment towards WSH. To this end, WSH Council has conducted several programmes to remind companies that they cannot only “talk the talk” but must also “walk the talk”. Following are some of the programmes.
Launched in 2006, Programme-Based Engagement (ProBE), a key collaborative WSH initiative of WSH Council and MOM, aimed to raise the standards of WSH in identified priority areas. In 2009, ProBE cast the spotlight on crane safety, work in confined spaces and work at height.

**Crane Safety**

The use of lifting equipment in workplaces continues to be an area of concern as related accidents account for 12% of fatalities. In 2008, besides fatal incidents, there were also several cases of crane-collapse that could have easily caused fatalities or serious injuries.

With cranes being a common feature in most construction sites in Singapore, WSH Council and MOM are working together to improve crane safety.

As part of ProBE (Crane) activities, WSH Council and MOM co-organised a technical forum in May 2009 to share the analyses and recommendations of a Safety Analysis Report (SAR) based on 40 crane accidents over the past five years. Printed materials such as the Technical Advisory for Safe Operation of Lifting Equipment, compliance checklist and lifting plan, and posters were distributed to the participants.

In July 2009, a National Crane Safety Taskforce was set up to drive and coordinate crane safety efforts on a national level.

**Confined Spaces**

Fatalities linked to work in confined spaces accounted for about 10% of the 67 fatalities in 2008. This was the second highest contributor to workplace fatalities that year. Besides claiming seven lives, there were also 10 injury cases. Accidents related to confined spaces are catastrophic and usually cause multiple fatalities and injuries. Recognising the significance of these issues, ProBE (Confined Space) focused on the identification of safety procedures and implementation of confined space entry permits and emergency plans.

More than 400 participants attended a WSH Council forum on Confined Space in September 2009 whereby confined space accident case studies, industry best practices and the salient points of the new WSH (Confined Space) Regulations, introduced in November 2009, were shared. Confined Space Kits (consisting of stickers, posters, guidebook and animation video) were distributed to the participants during the event.

**Work At Height**

Work at Height (WAH) remains an area of concern. Despite sustained efforts from ProBE (WAH) since 2006, WAH remains the top contributor to workplace fatalities in 2009. 24 lives were lost due to fatal falls.

WSH Council and MOM introduced a slew of initiatives such as Code of Practice on Safe Working at Height, and targeted special enforcement exercises to combat WAH accidents. Another key initiative was the formation of an industry-led National Work at Height Taskforce to drive and coordinate WAH efforts nationwide.
BRINGING THE SAFETY MESSAGE TO THE NATION

National Workplace Safety and Health Campaign

The National WSH (NWSH) Campaign is a high-profile annual event organised by WSH Council to promote safety and health at workplaces. The campaign was extended from one month in 2007 to three months in 2009 to ensure a wider reach and participation. During the launch event, Guest-of-honour, Minister for Manpower, Mr Gan Kim Yong, announced the launch of WSH 2018—the national strategy to guide stakeholders to achieve sustainable improvements in WSH standards and performance in Singapore.

Guests at the launch event were treated to interactive games and winning artworks inspired by safety. In support of WSH 2018, guests were also invited to have their photos taken with “Safety Starts with Me” placards.

In 2009, the campaign calendar included a record of over 200 events and activities with participation from over 100 partners across 10 sectors. These events ranged from roadshows, exhibitions to in-house safety training programmes.

“Safety Starts With Me” Competition

To inculcate a safety mindset among the community, WSH Council, in collaboration with MOM, launched the “Safety Starts With Me” competition with the tagline: “Work safety. Our lives. Our responsibility”. The WSH community, as well as the public, was invited to submit entries in the form of a photograph, poster, video clip or story to convey their views on the importance of safety and the impact of work injury. The winning entries were showcased during the NWSH Campaign.

“Over the past two years, I have learnt more about work safety, particularly construction safety, through my participation in this competition. Many people feel detached when they read about workplace fatalities in the news. I was like that too. It was only when I got to work with the workers… for my creative entries that I witnessed, first-hand, the unnecessary dangers they face. Only then did I truly appreciate the work you guys do and understand the importance of enforcing safety at work.”

Ada Chua
Gold Winner,
Video & Short Film Category,
Safety Starts With Me Competition
Annual WSH Awards

The annual WSH Awards showcases the finest in WSH in Singapore. Companies and individuals who maintain excellent safety records or implemented good safety practices are recognised. For 2009, 172 individuals and companies were presented with WSH Awards from eight categories. The new category, the bizSAFE Award for SMEs, recognises exemplary performance and valuable contributions by bizSAFE STARS SMEs.

Noting that the number of winners has increased by more than 30% when compared to 2008, Guest-of-Honour, Minister for Manpower, Mr Gan Kim Yong, congratulated the winners for demonstrating strong commitment to WSH excellence.

"[The award] acknowledges our team effort in maintaining safety in our company on the highest order...Besides that, we will be able to use the award to inspire other workers at other work sites to constantly think of ways to improve safety so as to create a safe working environment."

Jamil Ismail
Senior Supervisor
Singapore Technologies Pte Ltd
Winner of WSH Practices Award
(Outstanding Achievement)
**Construction CEO Summit**

In 2008, 20 CEOs from developers and contractor companies pledged their commitment to raise Singapore’s safety standards to world-class level through the “Pledge for Zero—A CEO Commitment Charter”. The CEO Summit and Pledge for Zero are important milestones in our WSH journey, shaping the nation’s WSH culture and standards.

Riding on the positive awareness generated by the Summit, a Safety Leads Session was held on 5 November 2009. The Session was a precursor to prepare the pledged companies for the Construction CEO Roundtable on 23 March 2010.

The Construction CEO Roundtable, led by Mr Jackson Yap, Chairman, WSH Council (Construction and Landscape) Committee, was a peer-to-peer sharing and learning session for CEOs of the 20 pledge companies to review WSH achievements and progress made since the pledge. The next Roundtable will be held in 2011.

**Marine CEO Summit**

WSH Council, in collaboration with MOM, organised a CEO Summit for the Marine Industries on 25 November 2009. Guest-of-honour, Minister for Manpower, Mr Gan Kim Yong, graced the inaugural event for the sector and unveiled the Marine Industries 2018 Sectoral Plan. The Summit focused on improving the industry’s safety performance. CEOs in attendance also gained insights on the importance of safety and how to minimise injuries.

At the Summit, 27 CEOs, including CEOs from major shipyards such as Keppel Offshore & Marine, and Sembcorp Marine, signed the “Pledge for Zero—A CEO Commitment Charter”. Under the charter, the CEOs are committed to implement:

- A workplace guided by a comprehensive WSH policy;
- WSH leadership across all staff levels;
- A governance structure to ensure good WSH management;
- A budget to allow adequate resources to achieve WSH goals;
- Safety plans at each stage of each project from conception to completion;
- Effective communication on WSH and reporting of all WSH incidents; and
- Effective contractor management system with clearly defined safety goals and appropriate incentive schemes.

The CEO Roundtable, a follow-up with the pledge companies, will be held in 2011 to review the companies’ progress in the charter implementation and its WSH performance.
Over the past year, WSH Council organised several forums for WSH professionals and senior management to share WSH-related issues.

**Fall Protection Plan**

The Fall Protection Plan is one of the key programmes that can be implemented to prevent WAH incidents for construction and marine sectors. During the forum on 24 June 2009, MOM shared with 500 participants, including senior management, WSH professionals and supervisors, how the plan could be implemented to improve safety performance for WAH.

**Metalworking Safety**

The *Case Studies on Metalworking Industry* booklet, the *Technical Advisory on Safe Use of Power Press and Press Brakes* were launched at the forum attended by over 800 industry representatives on 10 July 2009. The audience was briefed on the revised MSOC criteria and the benefits of bizSAFE. The forum also included a talk on hand reconstructive microsurgery.

Due to overwhelming response, a second run of the forum was held on 24 August 2009. Speakers presented the main amendments to MSOC and risk management tips for the metalworking industry. A brochure with details on the changes to MSOC was also distributed to 500 participants.

**Landscape Safety**

The forum, organised with NParks on 17 August 2009, highlighted WSH best practices in the landscape sector. The *Guide to Landscape Works Safety* video, a basic guide to educate landscape workers on the common hazards encountered during landscape works and the associated safety precautions, was launched during the event.
**Working Safely in Confined Spaces**

To help the industry understand the new Regulations and put in place the necessary measures, WSH Council organised a forum on Confined Space Safety on 24 September 2009. Close to 500 participants gained insights to this topic from a series of presentations on the new WSH (Confined Space) Regulations, past accident case studies and the sharing of good practices for working safely in confined space. The *Technical Advisory on Confined Space* was introduced at the forum. A *Confined Space Kit* was also distributed at the event.

**Inland/Inshore Commercial Diving Safety and Health**

WSH Council organised a forum to announce the new *Technical Advisory for Inland/Inshore Commercial Diving Safety and Health*. In line with building capabilities to better manage WSH, the technical advisory (TA) provides guidance on best practices for the commercial diving industry. Participants at the forum shared experiences on conducting underwater tasks and related safety procedures and analysed recent accidents to uncover salient tips. MOM officers also shared how the WSH Act and its relevant subsidiary legislation would impact this industry.

**Protecting the Safety and Health of Our Unsung Heroes**

In September 2009, WSH Council and MOM participated in the 6th Annual Ministry of Health Clinical Quality Improvement Conference. Speaking at one of its symposiums, WSH Council and MOM turned the spotlight on the health and safety of healthcare professionals. Common safety and health problems and solutions for the sector were shared, along with risk management techniques, strategies and programme to manage workplace issues like stress, abuse and violence.

To reach out to more workers in the healthcare industry, copies of the *Workplace Safety and Health Guidelines: Healthcare* were distributed along with information on bizSAFE at the WSH Council booth. Exhibition panels explaining the common hazards in the healthcare work environment were used to reach out to participants at the conference.
Improving Logistics and Transportation

Held in collaboration with National Trades Union Congress (NTUC), with support from Singapore Logistics Association (SLA) and MOM, WSH Council organised a forum on Improving WSH in Logistics and Transportation on 17 November 2009. In the forum, case studies of past accidents were shared and WSH best practices in this sector promoted. Highlights of the forum included the launch of *Workplace Safety and Health Guidelines: Workplace Traffic Safety Management*, and the *Case Studies on Logistics and Transport Industry* booklet. In addition, Singapore Airport Terminal Services Ltd’s (SATS) good traffic management practices were highlighted. This event was attended by more than 500 participants.

Shine Newsletter

Launched in December 2006, *Shine* took on a fresh new look in July 2008. The newsletter is packed with WSH human-interest stories, business-driven articles, and case studies on best practices. Feedback has shown that it is an engaging read for management and safety professionals alike.
Foreign Workers Roadshows

These roadshows are part of WSH Council’s and MOM’s continual effort to educate and inform foreign workers about safety at work. During the roadshows, workers learnt about WSH and their employment rights and responsibilities through game booths, stage games, quizzes and drama performances. By adopting this fun and interactive format, workers can better understand the intended messages. To date, 22 roadshows have reached out to some 55,000 foreign workers.

Logistics and Transportation Safety Day

To create and enhance WSH awareness among workers, WSH Council and MOM organised a Logistics and Transportation Safety Day. More than 1,000 prime movers, forklift drivers and their families attended the event at East Coast Playground @ Big Splash on 2 August 2009.

Participants learnt about safety at work through roving exhibits, educational games, animation videos, and a “dress up your prime mover creative competition” for children. The highlight of the event was the “forklift safe driving contest”. By involving the workers’ families, it is hoped that the message that safety at work is a personal responsibility as well as an obligation to family members gets across to the workers.

"I have read iWSH newsletter...The cartoons on the safety procedures are great! I also like to read the cover story on other workers and their experiences. It is good for us to learn from the stories the precautions that we should take at work."

B. Kumaresan
ST Marine

Construction Case Study Posters

Following the well-received launch of Construction Accident Case Study in 2008, selected case studies were adapted into posters for general distribution and display at dormitories. The posters, in Chinese, Tamil and Bengali, are also available online at www.wshc.sg

iWSH Newsletter For Workers

iWSH newsletter is a quarterly newsletter for workers that comes in an easy-to-read format. Each issue is available in English, Chinese, Tamil and Bengali and highlights safety tips and the importance of WSH. Comprising interviews with workers, case studies and quizzes, the newsletters are distributed to ATPs, foreign workers’ dormitories, shipyards, construction sites and other public venues.
WSH Bulletin

WSH Council disseminates the WSH Bulletin—a free email newsletter which keeps stakeholders updated on WSH developments and events. Subscribers receive notifications on recent WSH incidents, safety and health articles, events organised by WSH Council and our partners, and announcements of new laws and regulations, and publications such as guidelines, TAs and Codes of Practices (CPs).

It is critical for the industry to be kept updated on WSH developments and issues of interest. The WSH Council has leveraged on a variety of platforms and tools to alert and inform industry and stakeholders, with the Internet being one of the most efficient.

WSH Council also maintains a corporate website (www.wshc.sg) which serves both as a one-stop resource for WSH-related articles, case studies, publications, newsletters as well as a platform for the delivery of services (e.g., registration for assistance programmes and events). WSH Council also maintains an email advisory service (contact@wshc.sg) to provide specialist or customised WSH solutions and advice to address specific concerns raised by employers, workers, professionals and the general public.

"We will definitely encourage our students to sign up for WSH Bulletin. I have also observed a distinct improvement in the quality of the bulletin over the years. In addition, I have been using some of the bulletins and WSH Council material for my teaching."

Dr. Goh Yang Miang
Senior Lecturer
School of Public Health, Faculty of Health Sciences, WHO Collaborating Centre for Environmental Health Impact Assessment, Curtin University of Technology, Western Australia

2 A new corporate website was launched on 29 April 2010 at www.wshc.sg
The address of the CONTACT email advisory service was also changed to contact@wshc.sg
Close collaborations among key stakeholders continue to advance the WSH agenda in Singapore. Leveraging on existing partnerships and forming new ones between the government, unions, trade associations, developers, insurance companies, financial institutions, media and the community, the WSH strategic outcomes outlined in WSH 2018 are within sight.

**New WSH Council (Chemical Industries) Committee**

Formed in May 2009, WSH Council (Chemical Industries) Committee is chaired by Mr K. Karthikeyan, General Secretary, United Workers of Petroleum Industry (UWPI). The Committee includes leaders from key industry companies, trade associations, professional bodies and statutory boards. It aims to identify gaps and champion initiatives to raise safety management capabilities in the chemical sector. The immediate concerns of the Committee are:

- To develop and facilitate the development of WSH acceptable practices relating to safety, health and welfare at work;
- To promote the adoption of acceptable WSH practices relating to safety, health and welfare at work;
- To devise, organise and implement programmes and other activities for or related to providing support, assistance or advice to any person or organisation in preserving, improving and promoting safety, health and welfare at work;
- To research into any matter relating to safety, health and welfare at work; and
- To provide practical guidance with respect to the requirements of the WSH Act.

One of the first tasks which the Committee initiated was a study of the chemical sector to attain a deeper understanding of the industry. The initial findings showed that the accident rate in the sector was relatively lower compared to the traditional industries in Singapore. However, the potential severity of a single accident in the sector is recognised. The Committee therefore pressed on in its efforts to identify and address potential hotspots, and to build capabilities in this sector.

**Sharing Intelligence**

WSH Council acts as a conduit for engagement and planning activities to take place regularly among industry, business communities and public agencies. An example of the outcome of this shared platform is the collective effort in the release of the Tripartite Advisory on Workplace Measures to Tackle Influenza A (H1N1-2009). This inter-agency collaboration was important at the onset of the H1N1 outbreak in distributing vital safety tips to workplaces efficiently to halt the spread of the disease.
FROM GOOD TO GREAT

RAISING WSH STANDARDS
AFTER A HARD DAY’S WORK, KARIM, A CONSTRUCTION WORKER FROM INDIA, IS ABOUT TO PACK UP HIS TOOLS ON THE 23RD FLOOR AND HEAD HOME...

AH HUAH! I'M ABOUT TO PACK UP AND LEAVE. WHAT ELSE DO YOU NEED ME TO HELP WITH BEFORE I GO?
30 MINUTES LATER...

HMM... JUST HELP ME PACK UP THAT MESS OVER THERE! THANKS, KARIM!

OK!!

IT'S NAZIMA'S BIRTHDAY NEXT WEEK... IF I CAN PACK UP QUICKLY, I MAY BE ABLE TO GET HER A PRESENT LATER...

MAYBE A TEDDY BEAR...?

HMM... WHAT SHOULD I GET FOR HER?

EH...?

KARIM!!!
WATCH OUT!!

AHHHHHH
HHHHHH!!!!!!!

UGH--

WWHHOOOPPPP!!
ARE YOU OK?!
SO DANGEROUS YOU DIDN'T SEE THAT HOLE!

I'M SORRY...
I WAS DISTRACTED...

KARIM!
NEXT TIME YOU HAVE TO BE MORE ALERT WHEN YOU ARE WORKING!
YOUR SAFETY IS YOUR OWN RESPONSIBILITY!

WHOEVER REMOVED THE COVER OF THE OPENING SHOULD HAVE PUT UP A BARRIER AND WARNING SIGNS!

...AH HUAT...
...THANK YOU...

IF NOT I WOULD HAVE FALLEN IN...

COME!
LET ME SHARE SOME OF THE SAFETY TIPS THAT I LEARNT FROM THE WSH COUNCIL LAST YEAR!
In the last decade fatal falls at work remained the top contributor of workplace deaths in Singapore. That is why WSH Council constantly launches new programmes and enhances current ones to remind practitioners that they need to keep fighting the evils of safety-complacency at workplaces. To bring WSH issues to the forefront, the Council has, in the past 12 months, instituted the following programmes.
Despite the introduction of preventive measures, WAH-related incidents continue to be a cause of concern. In August 2009, the WSH Council-led National Work at Height Taskforce was formed to address the concern of working safely at height. The taskforce is led by Mr Wong Weng Sun, President and CEO, Sembcorp Marine Ltd, with members from various stakeholder groups, including the government, industry and suppliers.

Together with WSH Council and MOM, the Taskforce analysed the contributing factors for past fall from height incidents. The findings on 126 WAH cases from 2003 to 2007 were published in the Safety Analysis and Recommendation Report on Work at Height. The report highlights contributing factors to WAH incidents and proposed a three-pronged plan to reduce fatal falls across workplaces. They are:

1) Build Strong Capabilities
The Taskforce recommends the implementation of Fall Protection Plans to manage WAH at a systemic level. WSH Council and the Taskforce introduced a new Code of Practice for Working Safely at Height and a new Work at Height Kit for supervisors and workers. The Taskforce also aims to improve national WAH competency standards by introducing WAH training for supervisors.

2) Promote the Benefits of WAH Safety
The Taskforce collaborates with relevant industry associations and partners to reach out to a wider audience so as to raise awareness and promote the adoption of best practices. In addition, a series of bus advertisements was rolled out in April 2010 to remind workers and prompt the public to report unsafe work practices.

3) Enhance the Intervention Framework for WAH
To enhance the current intervention framework, the Taskforce commissioned a series of Safety Compliance Assistance Visits (SCAV) to worksites. By end June 2010, 1,000 such visits would be made by special vans fanning across Singapore to check worksites for WAH concerns and even provide onsite training for site supervisors and personnel.
National Crane Safety Taskforce

In the past year, the continued severity of crane accidents caught our attention. Believing that these accidents can be prevented with properly-trained workers, WSH Council formed the National Crane Safety Taskforce in July 2009. It is led by Mr Tan Wee Seng, Managing Director of Bovis Lend Lease Pte Ltd with members from various stakeholder groups, including the government, industry and suppliers. The Taskforce aims to:

1) Provide industry leadership and work with WSH Council to make recommendations to improve the safety of crane operations;

2) Provide industry input when developing the implementation plan for the recommendations; and

3) Garner buy-in and support from industry for effective implementation of the recommendations to reduce crane-related fatality and injury rates.

Based on the taskforce’s analysis report shared at the Crane Symposium on 26 May 2009 and the analysis of over 40 crane incidents, several important learning points and areas were identified for safer crane operations. The three focus areas are:

1) Enhance training curriculum for lifting crews and ensure their competency;

2) Enhance outreach efforts to raise WSH awareness; and

3) Review CPs and upgrade the existing Technical Advisory for Lifting Operations to Code of Practice for Lifting Operations.

The Taskforce also shared insights on local regulations and case studies on the local crane industry at the Cranes Asia Conference held in Singapore in December 2009. The conference was attended by leading safety experts and standards committee members around the world. The Taskforce will continue to enhance awareness of crane safety through relevant platforms.
Despite the best efforts of the WSH Council to conduct outreach activities for workers in all industry sectors, some were still not reached. Acknowledging that not all workers are able to attend the myriad of WSH education activities, WSH Council did the next best thing.

The Council produced materials and distributed them widely so that many more workers can get WSH information in their hands. Where materials were deemed relevant and necessary, they would be jointly developed by the industry, industry associations and regulatory agencies under the auspices of WSH Council. Highlights of some of such collaborations in FY 2009/10 were:

**Approved Codes of Practice**

Periodically, the WSH Council would review and evaluate the need to either develop its own Code of Practice\(^3\) (CP) or adopt SPRING-issued Singapore Standard (SS) CPs as ACOP. ACOPs set the preferred work practices or standards that industry practitioners are expected to adopt when managing workplace risks, unless there is an alternative course of action that can achieve the same or better standard of safety and health in the workplace.

In January 2010, WSH Council approved and issued 28 SS/CPs as ACOP. WSH Council’s CP would be deemed as ACOP under the existing process. Standards overseen by other National Standards bodies (e.g., Spring Singapore) can be approved as ACOP where the WSH Council considers it to be practical for industry’s WSH use.

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\(^3\) CPs provide comprehensive information on preferred practices to achieve the desired level of WSH outcome.

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**Code of Practice For Working Safely at Height**

The new CP for Working Safely at Height issued by WSH Council describes a variety of fall prevention measures. The CP highlighted the Fall Protection Plan which provides a systematic approach to mitigate the risks of or eliminating falls. This is achieved by ensuring that all reasonable fall protection measures and methods are taken before the commencement of work.

**Case Studies on iWSH Portal**

At WSH Council, we feel that past workplace accidents are good lessons from which all workplaces can gain insights from. That is why WSH Council plays an active role in sharing case studies of incident investigations with stakeholders through a comprehensive range of accident case studies. Businesses can use these case studies to establish, guide and improve their WSH practices and systems. The WSH Council website currently hosts 46 of such articles to facilitate the sharing of observations, findings and learning points.

WSH Council also regularly develops Lessons Learnt Case Reports (LLCRs) on significant fatal incidents. We use the 5M analysis model: Man, Machine, Medium, Management and Mission to identify the primary and contributory factors which may have led to the accidents. We then make recommendations for improvements in safety practices and WSH management systems. To date, WSH Council has published eight LLCRs on its website.
Case Studies on Logistics and Transport Industry

WSH Council (Logistics and Transport) Committee, in collaboration with MOM, produced a compilation of the 16 most common accidents in the logistics and transport industry. The booklet provides insights on the causes of these accidents and offers prevention tips to prevent similar recurrence. It also serves as a learning tool to remind workers of the potential hazards in their workplaces.

Guidelines on Cleaning and Custodial Services

Workers in the cleaning and custodial services sector are exposed to hazards which may cause injuries or ill health. The Council, in collaboration with NTUC, combined the industry’s experience, research on overseas resources and validations by subject specialists to publish the first comprehensive set of guidelines for the industry. The guidelines aim to help stakeholders identify work hazards so that they can take the appropriate measures to prevent injuries.

Guidelines on Fatigue Management

This general guidelines provide guidance to assist industries in managing fatigue from the safety and health perspective. It includes recommended measures to help workers avoid long work hours and manage shift work effectively to prevent the onset of fatigue. The guidelines also provide advice on designing a fatigue management policy that can be integrated into an organisation’s WSH system.

4 Guidelines provide users with guidance or technical knowledge on specific process or practices.
Guidelines on Workplace Traffic Safety Management

Workplace traffic is an integral part of everyday operations in many industry sectors. If not properly managed, workplace traffic risks can cause fatalities and injuries. In view of this, WSH Council (Logistics and Transport) Committee launched WSH Guidelines: Workplace Traffic Safety Management in November 2009. The guidelines aim to assist stakeholders in implementing risk management and identifying traffic hazards within workplaces and establishing a Workplace Traffic Management Plan. It also included suggested elements of a Workplace Traffic Management Plan to serve as reference for traffic control and the operation of transport vehicles at workplaces.

Technical Advisory on Working Safely in Confined Spaces

This TA provides detailed information on the actions necessary to meet the requirements of relevant legislation and CPs in workplaces with confined spaces. It also provides practical guidance on the necessary measures for safe entry into or work in confined spaces.

Guide to the Safe Boarding of Vessels

The WSH Council (Marine Industries) Committee developed a brochure, Guide to Safe Boarding of Vessels, to improve understanding of the relevant safety practices and procedures which should be in place prior to the boarding of vessels. The brochure was then given to anchorage repair workers at West Coast Pier, Marina South Pier and Changi Point Ferry Terminal.

Logistics and Transport Video

The WSH Council (Logistics and Transport) Committee has developed a series of animated training clips to raise WSH standards in this sector. The video complements education programmes in companies to inform workers of risks associated with prime mover- and forklift-operations.

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5 TAs provide detailed information on meeting the requirements of the CP or legislation.
**WSH Healthcare Checklists**

Riding on the success of *Workplace Safety and Health Guidelines: Healthcare*, WSH Council (Healthcare) Committee embarked on the creation of checklists for smaller establishments to cater to the specific needs of the different sub-sectors in the industry. These checklists were created to provide an easy, quick reference to improve WSH at the various medical facilities. A total of five checklists were created for medical clinics, dental clinics, traditional Chinese medicine practitioners, nursing homes and veterinary clinics.

**WSH Healthcare Best Practices**

In response to a shortage of relevant WSH case studies for the Healthcare industry, the Committee collated a total of 18 best practices from its members’ organisations for sharing. These measures aimed to raise awareness of WSH best practices in the healthcare sector and served as a useful guide for future WSH implementations. Members of the industry can also rely on these creative ideas to inject innovative solutions for their daily WSH challenges at the workplace.

**Improving Workplace Health Standards**

In 2009, WSH Council (Metalworking and Manufacturing) Committee developed a Workplace Health Engagement Plan. To enhance employees’ workplace health, the Plan includes a *Workplace Health (WH) Kit*, promotional activities and a Workplace Health Implementation Plan. It focuses on three most common occupational diseases in the sector—Noise-Induced Deafness (NID); Industrial Dermatitis (ID) and Excessive Absorption of Chemicals. The completed Kit would be rolled out in October 2010.

**WSH Manual For Marine Industries**

To assist the Marine Industries in achieving better compliance with WSH regulations, WSH Council (Marine Industries) Committee collaborated with the ASMI to publish the *WSH Manual for Marine Industries* in September 2009. The manual has details on basic WSH principles and good practices related to safety management systems. Shipyards were encouraged to study the manual and implement changes that would enhance the workers’ safety and health.

**WSH Statistics Report**

WSH Council and MOM made available reports and statistical findings on the Internet to provide the public and WSH stakeholders with useful WSH information. The bi-annual *WSH Statistics Report* provides comprehensive data analysis of WSH trends in Singapore. This includes a study of both fatal and nonfatal injuries as well as occupational diseases. The report also looks into each sector’s WSH performance during the period of study.

The 2009 statistics report highlighted the industries that were at risk to injuries and occupational diseases so that they could be more vigilant to take the appropriate actions to mitigate them. In addition, the objects or equipment involved in the injuries or occupational diseases were also included to alert the industries. The top incident type leading to fatalities was fall from height, while the equipment leading to the highest number of fatalities and dangerous incidents was cranes. The National Work at Height Taskforce and the National Crane Safety Taskforce were formed to target these two priority areas.
To keep abreast of international WSH developments, the Council conducts environmental scanning of local and overseas WSH practices and developments from various agencies and learned societies.

To enhance the practical adoption of WSH in Singapore, information and trends from the research are analysed to derive solutions and workplans. For example, the Council has commenced research on the poor work practices of the local tentage industry. Creative solutions are being explored with industry partners. Aspects being looked into include developing safe work practices, building WSH capabilities, and implementing measures to encourage industry to adopt safe tentage designs and practices.

The Council has commenced sector scans of some industries and will continue to cover the WSH maturity and development in local industry.

Construction Sector

In the past three years, the sector continued to account for more than one third of all workplace fatalities. In 2009, 31 lives were lost due to construction activities in Singapore. The sector needs to set bold targets for itself before Singapore could attest to be a nation with good safety and health practices at its workplaces.

To align the sector with the national target of less than 1.8 fatalities per 100,000 workers, the construction sector reviewed its WSH 2015 strategy document. In March 2010, the sector launched the enhanced WSH 2018 sectoral plan for the construction industry after extensive consultations with multiple stakeholders.

The sectoral plan outlined four key strategies and identified more than 70 programmes and initiatives over the next 10 years to address the multi-folds and unique safety and health challenges faced by the sector. The WSH (Construction and Landscape) Committee continues to encourage the industry to increase the take-up rate of key capability building programmes such as Construction Safety Audit Scoring System (ConSASS) and Design For Safety (DFS).

The plan also targets the achievement of a workplace fatality rate of less than 3.4 fatalities per 100,000 workers by 2013 and less than 1.8 fatalities per 100,000 by 2018. In order to accomplish this, the industry must adopt a “zero fatality” mindset. In addition, the industry has pledged to reduce workplace injuries to less than 390 injuries per 100,000 workers by 2013 and less than 200 injuries per 100,000 workers by 2018.
Logistics and Transport Sector

As a continual effort to detect trends and identify challenges faced by the logistics and transport sector, WSH Council (Logistics and Transport) Committee embarked on a comprehensive study on the WSH landscape of this sector. Major incidents types and their causes were identified, and preventive measures for industry-wide implementation were recommended. These findings enabled the sector to build the required WSH capabilities and to develop outreach programmes. Several guidelines and a case studies booklet had been developed and distributed to the stakeholders in the sector through various industry engagements.

Marine Sector

As a leading maritime hub, the marine sector in Singapore contributed to 1.3% of Gross Domestic Product (GDP) in 2008 with a turnover of about $15.4 billion. It hired about 116,900 workers (4.8% of workforce) in 2009 and continues to be of high priority to WSH Council for improvement in WSH performance.

The WSH Council (Marine Industries) Committee spearheaded a study in December 2008 to detail the WSH landscape in the industry. The Marine Industries Diagnostic Study consists of a thorough evaluation of existing systems in the industry as well as a detailed analysis of the workforce’s perception of WSH.

From the findings of this study, the Committee obtained a better understanding of the areas to address in the current systems and practices. Recommendations were drawn to improve these areas in the current safety systems and behaviours, as well as to strengthen areas in which the industry had performed well.

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7 Source: Ministry of Manpower.
Some of the areas identified include the lack of a common platform to facilitate sharing of good practices, as well as the need to improve companies’ management of contractors and sub-contractors. For the first concern, ASMI introduced Marine Industry Safety Engagement Team (MIndSET)—a platform where best practices of intervention programmes were shared with the industry. A guide for ship owners and ship crew in risk management would be developed to address the second area for improvement.

In addition to the study, the Committee developed a Marine sectoral plan, *Implementing WSH 2018 for Marine Sector in Singapore*, to drive the industry towards safer and healthier workplaces for everyone. The 10-year plan was released for public consultation in November 2009 and was launched in March 2010. The document sets WSH targets in key work areas for the next 10 years. The four key areas identified are effective risk management, enhancing capability building, intervention programmes and strengthening stakeholders’ involvement in WSH.

The sectoral plan commits to halve the current industry fatality rate of 9.2 fatalities per 100,000 employees in 2007, to 4.6 by 2013. As a mid-term target, the sector aims to reduce workplace injuries to less than 200 injuries per 100,000 employees by 2013.

In line with the effort to continuously examine sectoral developments, WSH Council (Metalworking and Manufacturing) Committee commissioned a study of the metalworking and manufacturing sector. The Committee completed the scan in October 2009. Based on statistical evidence, the Committee observed that no new hotspots were apparent and that hand injuries and amputations caused by working with machines were still the main problem area. The top three areas of concern identified include body parts getting caught in between objects, getting struck by moving and falling objects. Efforts to address these hotspots continue.

*Metalworking and Manufacturing Sector*

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SAFETY HEROES!
WSH COUNCIL SALUTES YOU!

WITH YOUR BELIEF, SUPPORT AND COMMITMENT, WE CAN CREATE A SAFE AND HEALTHY WORKPLACE FOR EVERYONE!
# Financial Statement

## No. | Items | FY 2009/10 ($)
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1 | EXPENDITURE ON MANPOWER (EOM) | 6,407,816
2 | OTHER OPERATING EXPENDITURE (OOE) | 5,839,607
   | Sector-Specific Initiatives | 439,586
   | Engagement And Outreach Efforts | 2,228,907
   | Capability Building Initiatives | 1,673,616
   | Corporate Support | 1,426,479
      | Supplies And Services | 74,252
      | Manpower Development | 93,574
      | Rental | 1,258,653
      | Others | 71,019
3 | TRANSFERS (RISK MANAGEMENT ASSISTANCE FUND) | 1,714,000
4 | TOTAL EXPENDITURE | 13,961,423