





SUSTAINABILITY

ENVIRONMENT, HEALTH & SAFETY

SSMC is certified in ISO 14001:2004 Environmental Management Systems and OHSAS 18001:2007 Occupational Health and Safety Management Systems. The company has also received certification for Singapore Standards including SS 506:Part3:2013 Occupational Health and Safety Management Systems as well as SS 577:2012 Water Efficiency Management Systems.

Striving for excellence and continuous improvement, SSMC actively seeks to enhance our pollution prevention and control, power and resource conservation, waste reduction and recycling, environment, health and safety managements. Our products comply with regulatory and customer requirements, including the European Union's Restriction of Hazardous Substances (RoHS) Directive, EU Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), and Perfluorooctane Sulfonates (PFOS) restriction standards.

In 2015, SSMC's dedication and efforts towards environmental sustainability has led to the achievement of many prestigious awards.

SSMC WINS PRESTIGIOUS PRESIDENT'S AWARD FOR THE ENVIRONMENT 2015



The President's Award for the Environment (PAE), organized by the Ministry of the Environment and Water Resources (MEWR) is the highest environmental accolade which recognizes outstanding contributions towards Singapore's environmental and water resource sustainability. The award was presented to SSMC by the President of Singapore - His Excellency Dr. Tony Tan. SSMC is proud to be 1 of 4 recipients of the President's Award for the Environment 2015, amongst the 55 nominees this year.

Under the strong leadership of the management team, SSMC has differentiated itself from other players in the semiconductor industry, where water and energy are extensively consumed in the wafer processing steps. As a forerunner in environmental sustainability, SSMC has made it a priority to achieve the 3Rs – Reduce, Reuse and Recycle by reducing waste generation and carbon emissions under their 5-year EcoVision policy.

SSMC is the first wafer fabrication plant in Singapore to adopt NEWater as 100% process water since 2003 and is among one of the best fabrication plants in Singapore that recycles 75% of NEWater. Even when there are no regulatory requirements, the company would pro-actively improve the work processes aligning it towards environmental sustainability. Apart from ensuring organizational sustainability, SSMC has also worked with its suppliers to declare to its Sustainability Requirements since 2011.



Besides being relentless in its focus and dedication towards environmental and water resource sustainability, SSMC has also been very active in corporate social responsibility for the larger community. It has adopted three schools, from Primary School to Junior College through the NEA Corporate and School Partnership programme and is also actively involved in the annual Singapore World Water Day. It is no mean feat that SSMC has adopted a litter Hot-Spot, Pasir Ris MRT, for a year, where Mr. Jagadish and SSMC staff volunteers have been conducting regular clean-up activities. SSMC has proven to be an excellent role model for the private sector and the community, and we will continue to integrate environmental and water sustainability as part of our corporate planning and daily business operation. Our constant strive towards being sustainable and socially responsible is a testament to our dedication towards Singapore's environment.

SSMC WINS TOP NATIONAL AWARD FOR EXCELLENCE IN ENERGY MANAGEMENT (ENERGY EFFICIENCY NATIONAL PARTNERSHIP AWARD 2015)

SSMC is proud to be one of the 4 recipients of the prestigious Energy Efficiency National Partnership (EENP) Awards amongst the 44 nominees this year; winning in the category of Excellence in Energy Management. The Energy Efficiency National Partnership Awards is organized by the National Environment Agency, Energy Market Authority and the Economic Development Board, and aims to foster a culture of sustained energy efficiency improvement in the major energy consuming industries. The EENP Awards also aims to encourage companies to adopt a proactive approach towards energy management by identifying and sharing best practices for other companies to emulate.

With various initiatives implemented, SSMC achieved an overall 32% reduction in normalized energy consumption (GJ/m² wafer) from 2009 to 2015. Going forward, SSMC aims to explore more innovative ideas and new solutions to improve energy efficiency, and to source for new technologies available in the market. SSMC will also collaborate with government agencies, relevant companies and academic institutions for benchmarking best-in-class practices.



The EENP Awards were presented by Guest-of-Honour, Dr. Amy Khor, Senior Minister of State for Environment and Water Resources, at the awards ceremony held during the National Energy Efficiency Conference on 6 October 2015.

SSMC WIN BEST ECO PRACTICES AWARD FOR DRIVING SUSTAINABILITY

On 5 June, SSMC joined the 2015 Eco Action Day event, which was organized by Ricoh Asia Pacific and supported by various government agencies and private sectors in Singapore. A Panel Discussion, "Driving Sustainability for Our Future", and Awards Ceremony 2015 was conducted in commemorating the United Nations Environment Programme's World Environment Day.

SSMC is proud to be one of the eight 2015 Eco Action Award Winners which comprise of schools and corporations. A total of 165 companies, 40 schools and 449 individuals pledged to take actions to reduce their resource consumption and environmental impact; and to make pledge that are positive to the environment. This award recognizes the importance of our role and our efforts in corporate social responsibility, and it also demonstrates the positive impact we made to the environment as well as affirms our continuous drive towards sustainability for our future generation.

Particularly, the Best Eco Practices Award signifies our active involvement in the environmental awareness promotion programme organized by the government bodies such as NEA and PUB. Close to 200 of SSMC employees volunteer carry out litter picking activities regularly and the company's "Hot Spot to Bright Spot" Programme has also helped to collect more than 280kg of trash around its nearby community in a year. SSMC's energy and water saving projects since 2003 has also contributed to more than 10million kWh and 1million m3 saved to date respectively.



(Rightmost) Ms. Kelly Sofian, Senior Director of Quality and HR, SSMC, together with (from Left) Representatives from Crescent Girls' School, West Spring Primary School, StarHub Ltd, Mr. Tetsuya Takano, Managing Director, Ricoh Asia Pacific Pte Ltd, Representatives from Orchid Park Secondary School, Loola Adventure Resort, Samwoh Corporation Pte Ltd

BUSINESS CONTINUITY MANAGEMENT (BCM)

SSMC is committed to the proactive management of strategic, operational, financial and hazardous risks, aiming to mitigate the potential impact to operations and revenue.

We have established our BCM program based on corporate vision and long-term sustainability and responsibility to society. Our BCM program seeks to provide an effective risk management tool by SSMC on behalf of all stakeholders. Risk maps which consider likelihood and impact severity are applied to identify and prioritize corporate risks. Various risk treatment strategies are also adopted in response to reduce corporate risks. To reduce SSMC's supply chain risks, a cross-function task force comprised of members from fab operations, material management, risk management and quality system management work with SSMC's primary suppliers to develop business continuity plans and enhance supply chain resilience capability by effectively managing the risks faced by our suppliers.

Since SSMC inception, we have recognized the importance of robust business continuity contingency plans as a strategy to stay prepared for the unforeseen circumstances. The importance of sustaining business resilience by being BCM-ready were recognized at the very early in SSMC's life. We have been taking steps to manage risks and formulate Business Continuity Plans (BCPs) since 2002. SSMC's BCM journey started from having the clear mindset of risk management as an essential foundation of delivering the best in-class foundry services to our customers. Integrated as part of our management policies and culture, our risk management policy assures business continuity and protects stakeholders, assets and operations.



The Annual Business Continuity Management (BCM) drill was held on 09 Oct 2015. The focus was on response to a Single Point Interruption – Ultrapure Water Supply Interruption resulting in a halt to wafer production. In the 5-hour impromptu drill, participants from all levels of the organization were fully engaged in the role plays and critical business functions recovery. New scenarios were injected on the day of the drill itself, to closely simulate actual crisis situation, and to test the readiness and resilience of participants in dealing with unexpected events. The drill simulated a delay in DI water supply to check our containment, recovery as well as timely and proper communication to customers on the delay of their wafer delivery. As in all the drills, a post mortem was carried out to capture key lessons learnt and continual improvement to the drill execution.

Furthermore, SSMC had successfully conducted a joint exercise with SCDF in Aug 2015 to respond to fire and emergency; this was also an audit for our Company Emergency Respond Team (CERT). We passed this audit and received good comments from SCDF on our thorough linkup and good co-ordination with them.

The drills and exercise experiences had enable SSMC to continually maintain a high state of alert and readiness in our business continuity pursuits. Our goal is to be self- sufficient, sustainable, and ready to withstand impacts of emergency events, so that we can continue our supply commitment to our customers in a safe and secured manner. We firmly believe in creating value to our stakeholders by having a viable BCM system, identify, assess and manage all risks associated with our daily business operation. By getting certified to ISO 2230 - Business Continuity Management System (BCM), SSMC has further raised the bar of BCM best practices, and is moving towards becoming the benchmark in identifying, assessing and managing all risks associated with our daily business operation.