

DSTA's
COMMITMENT
TO NATIONAL
DEFENCE



DEDICATION
BEYOND
DEFENCE



A STAR IN
QUALITY



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DSTA IN 2010

8-PAGE REPORT

A SPECIAL **dstavista** PULL-OUT

DECEMBER 2010



A Toast to Ten

THE DSTA 10th Anniversary Dinner, held to commemorate the organisation's 10th year since its formation on 15 March 2000, saw more than 1,200 members come together to give a grand toast to the organisation. The dinner was held at the main ballroom of the Suntec Singapore International Convention and Exhibition Centre on 25 March 2010.

With the theme 'Blast From The Past' to add a flashy and retro edge to the occasion, the dinner was a celebration and show of appreciation for staff's contributions to DSTA's success and accomplishments over the past 10 years.

Gracing the occasion as the Guest of Honour was Deputy Prime Minister and Minister for Defence Teo Chee Hean. Also in attendance were several other luminaries such as Minister for Education and Second Minister for Defence Dr Ng Eng Hen, Chairman (DSTA) Dr Tan Kim Siew, Chief Executive Soh Kong Pheng, and his two predecessors Dr Su Guanion and Richard Lim.

Entertainment served, piping hot

The night-long entertainment dished out on stage warmed the hearts of the audience.

Using simple everyday objects, the STOMP team gave a high adrenaline performance of percussive beats and sounds choreographed to perfection. The STOMP team comprised Deputy Directors, Assistant Directors, and other senior DSTA members.

A group of talented members also came together and sang their hearts out on stage in true a cappella fashion, belting out evergreen tunes. More songs and spectacles lit up the stage when Senior Technical Officer (Systems Management) A Jegatheesan, DSTA's very own Elvis Presley impersonator, wowed the crowd with rock and roll classics from yesteryear.

Performances aside, DSTA's very own music video was also screened at the 10th Anniversary Dinner. The music video featured a kaleidoscope of scenes and snapshots of DSTA members going about their usual business at work, as well as flashing their quirky actions and groovy dance moves – all in the office setting!

Making up the rest of the evening's activities were a Best Dressed Contest and a professional dance performance as well as a grand lucky draw.

In all, the 10th Anniversary Dinner was a memorable and delightful occasion for many who turned up to celebrate DSTA's 10th birthday in true retro style!

Delivering Excellence by Air, Land and Sea

DSTA members were part of the project teams that delivered the Gulfstream 550 Airborne Early Warning jet (G550-AEW), the TERREX Infantry Carrier Vehicle (ICV) and the Comprehensive Maritime Awareness system (CMA) to the Singapore Armed Forces. For their outstanding contributions, the teams were awarded the prestigious Defence Technology Prize (DTP) at the award ceremony held at Biopolis on 29 October 2010.

Here, we feature three of the four teams that received the DTP 2010 Team (Engineering) Award. The award is presented to teams for outstanding achievements in the delivery of highly complex engineering solutions and integrated systems in the Ministry of Defence's acquisition programmes.

An Undeniable Air of Camaraderie Among the Jet Pack

Four G550-AEW jets were procured for the Republic of Singapore Air Force (RSAF) to replace their ageing E-2C Hawkeye aircraft. The new jets allow the RSAF to see farther and respond more effectively to various operational situations.

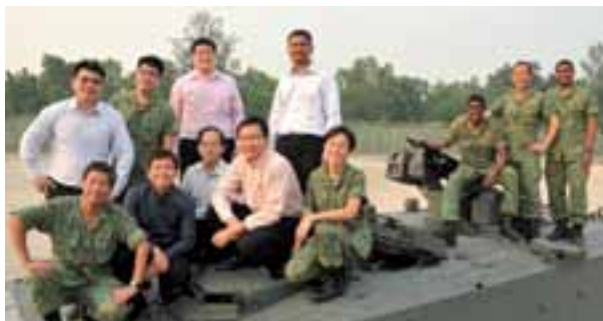
The G550-AEW team comprised members from DSTA, DSO National Laboratories (DSO), the RSAF, Singapore Technologies (ST) Electronics and ST Aerospace.

DSTA managed the development and acquisition of the G550-AEW jets. Principal Engineer (Air Systems) Yap Kon Piau, the project's Programme Manager, and his team managed and participated in numerous design reviews, systems integration, technical discussions, as well as the system and flight testing phases of the project.

This acquisition project was also one of the first in DSTA to adopt the Integrated Project Management Team (IPMT) concept. Led by Air Systems Programme Centre (PC), the IPMT was supported by managerial and technical staff from other PCs, including Networked Systems, C4I Development, Infocomm Infrastructure, and Procurement.

A Platform that Breaks New Ground

Launched by Deputy Prime Minister and Minister for Defence Teo Chee Hean on 5 September 2009 at the Army Open House, the TERREX ICV was jointly developed by DSTA, the Singapore Army and ST Kinetics. The platform is a significant enhancement to the Army's Third Generation networked and motorised capabilities that will provide soldiers with greater protection and mobility, as well as better situational awareness to operate at a higher tempo.



While the team – headed by Principal Engineer (Land Systems) Sunil Sadanandan – had to overcome many challenges to deliver the TERREX ICV, they also agreed that the experience has given them good memories. Senior Engineer (Systems Management) Loy Chong Keong said: "It was challenging to integrate different sub-systems from different suppliers into a single platform. The project has given me a rich learning experience."

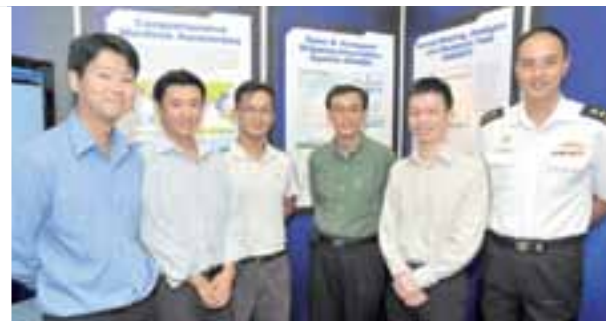
The team members were also proud to have contributed to the nation's defence. Principal Engineer (Land Systems) Raymond Tan said: "There are traces of my 'footprints' on the TERREX and being a Singaporean, I am glad to have played a part in the defence and security of my country."

Making Sense of the Sea of Information Out There

To make use of the large amount of data available today, the CMA Team developed a home-grown information fusion system that provides early warning of threats to Singapore and its sea lines of communication.

The CMA Team comprised members from DSTA, the Republic of Singapore Navy, DSO and ST Electronics. Senior Principal Engineer (Networked Systems) Tan Lye Huat – the Programme Manager for the project – headed the team.

When the team embarked on the project some five years ago, there was no precedent for such a system that the team could take reference from. "While we welcomed the opportunity to be involved in such



a revolutionary and challenging project, we were quite apprehensive about the outcome as there were too many variables and unknown factors at that point," recalled Senior Principal Engineer (Protective Infrastructure) Lek Jiunn Feng.

The team spent many sessions with the users, holding extensive discussions on how to conceptualise the operations as well as the systems and infrastructure that were required. Despite all the challenges, the team overcame the problems together.

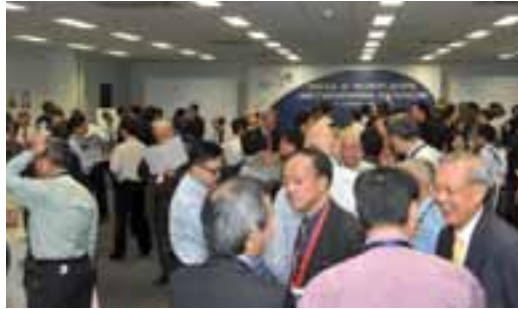
"Looking back, it was indeed exciting to be involved in a project that pushed the frontiers of technology and made a pivotal difference in protecting Singapore's maritime security," Jiunn Feng added.

DELIVERING CAPABILITIES

Lifting the Airshow to Greater Heights

SOARING high again since its debut in 2008, the Singapore Airshow 2010 (SA10) wowed crowds with the displays of mean flying machines, and impressed on the business end with the sealing of several lucrative aviation deals.

Held from 2 to 7 February 2010, SA10 was organised by Singapore Airshow and Events, of which DSTA is a shareholder. The biennial event saw top government officials, military leaders, and airline chiefs from the region and around the world throng the event site during the four trade days, while more than 71,000 members of the public visited over the final two days. More than 800 companies from the commercial and military aviation sectors showcased their products and technology during SA10, inking deals worth a total of US\$10 billion.



Widening the Network

DSTA organised a networking session with suppliers as one of the fringe events that took place concurrently with SA10. It was held for suppliers, especially those new to DSTA, to gain an understanding of how to do business with DSTA and to know its product areas of interest. Some 160 local and overseas vendors attended the DSTA and Suppliers Networking Session.

With the event allowing for closer and more direct interaction with new and existing suppliers, DSTA was able to strengthen and broaden its network of defence suppliers. On the other hand, suppliers were able to meet members of DSTA senior management and programme teams to introduce their products and services.

The networking session was a lively affair, with scores of suppliers



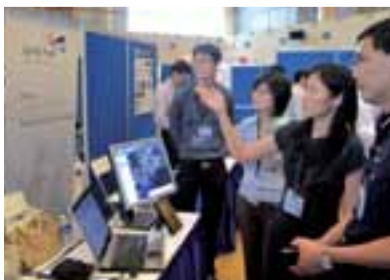
and business representatives mingling with the various Programme Centre heads in the function room.

Flying High with Students

In a bid to promote the importance of science and technology among students, as well as familiarise them with DSTA and the Defence Technology Community, DSTA invited students and scholars to visit SA10 on 5 February 2010.

Human Resource organised the visit and hosted 240 DSTA scholars, scholarship applicants, interns, and participants of the Young Defence Scientists Programme. Through the visit, the students learnt more about organisations in the aviation industry and the science and technology behind the myriad of platforms and weapons on display.

Strengthening Homeland Security



IT pays to plan ahead, which is why DSTA and the Ministry of Home Affairs (MHA) jointly developed the MHA-DSTA One-Stop Engineering Support Framework.

The framework will allow forward planning of MHA's technology and engineering projects in the five technological domains that DSTA supports. With this, MHA will be able to draw on DSTA's technological competencies and knowledge for their projects, and also learn from DSTA's established processes and methodologies in managing and implementing projects. On the other hand, the framework also enables DSTA to better plan and manage its manpower and resources to provide comprehensive support to MHA.

DSTA was invited by the Singapore Police Force (SPF) to set up a booth at the SPF InfoComm Technology Seminar 2010 held on 4 November 2010 to raise awareness of the MHA-DSTA One-Stop Engineering Support Framework across various SPF departments. A team of engineers from Networked Systems Programme Centre was on hand at DSTA's booth to speak with SPF officers about DSTA's role and scope of support to MHA and SPF.

A Stealthy Swordsman



Photo Courtesy of PIONEER

EMBODYING the latest submarine technology, the RSS Swordsman underlines the Republic of Singapore Navy's (RSN) drive to develop its submarine capability.

Launched on 20 October 2010 in Karlskrona, Sweden, the RSS Swordsman is the last of the two Archer-class submarines DSTA has procured to retrofit for the RSN. The first submarine, the RSS Archer, was launched in 2009.

The addition of the Archer-class submarines will "enable the RSN to better fulfil its mission of protecting Singapore's sea lines

of communication and territorial integrity," said Minister for Education and Second Minister for Defence Dr Ng Eng Hen, who officiated at the launch ceremony.

Following this launch, the various systems on board RSS Swordsman will be prepared to get her ready for sea trials next year. Among other adjustments, DSTA engineers modified the submarine, which was originally built for the cooler, brackish Baltic waters, for use in Singapore's warmer and more saline equatorial waters.

Overcoming the Obstacles



NATIONAL Servicemen take an average of six minutes to clear the new Vocation Obstacle Course (VOC), but for a team of DSTA engineers, the VOC was a project that took more than a year to complete.

The Singapore Armed Forces (SAF) had relied on the Standard Obstacle Course (SOC) for the physical training of National Servicemen. However, as modern warfare shifted its focus towards urban terrain, there was a need to revamp the SOC. The Army Fitness Centre approached DSTA in 2009 to help strengthen its combat fitness training system and better prepare Singapore's soldiers to meet increasingly complex and evolving operational demands.

After months of hard work, the team finally delivered the redesigned SOC, now renamed the VOC, to the SAF on 11 August 2010. It currently features 12 obstacles, of which seven are completely new. The obstacles were designed to test the soldiers' physical (in terms of endurance, mobility and agility) and mental strength. Each obstacle was specifically designed to simulate various combat tasks and movement skills.

The Modernised Hercules

BOASTING an upgraded avionics system and a modern digital cockpit, the C-130B Hercules now provides better situational awareness as well as reduced aircrew workload for the Republic of the Singapore Air Force (RSAF).

The modernised C-130B, the first upgraded aircraft in RSAF's C-130 fleet, was redelivered to the RSAF during a handover ceremony. DSTA was heavily involved in the upgrading programme and ensured that the project was kept on schedule.

All Fired Up

THE High Mobility Artillery Rocket System (HIMARS) proves that just because you are 70km away does not mean that you are entirely safe.

The truck-mounted rocket launcher can hit targets up to 70km away and is capable of a top speed of 100km/h. After firing, the launcher and its crew can be on the move in 20 seconds, so as to avoid enemy counter-attacks.

DSTA played a central role in the acquisition and integration of the HIMARS for the Singapore Armed Forces (SAF), having steered the programme and supervised the project management, as well as the testing and acquisition of the platform and systems.

DSTA has successfully delivered 18 HIMARS to the SAF as of October 2010.

Hawk-Eyed



Photo Courtesy of PIONEER

assessing and guiding the acquisition of the S-70B naval helicopters. In addition, DSTA engineers also provided vital engineering and operational support to the Republic of Singapore Air Force's (RSAF) Peace Triton Sikorsky Seahawk Naval Helicopter detachment in San Diego, US.

Acquired primarily to complement the Formidable-class stealth frigates' anti-submarine and anti-surface warfare roles, the S-70B is the airborne 'eye' of its parent ship. With a top speed of 140 knots (260km/h), the S-70B offers a speedy reaction to threats as it can move several times faster than a frigate.

A ceremony was held at Sembawang Air Base in July 2010 to mark the homecoming of three S-70Bs. Another three S-70Bs were delivered to Singapore in late 2010. Prior to their delivery to Singapore, these three S-70Bs were based at the site of Peace Triton as part of the plan to operationalise the naval helicopters.

DOMINANCE over a greater area of sea and airspace surrounding frigates and warships is a valuable asset that naval helicopters undoubtedly bring to their parent ships. This is an edge that the new Sikorsky S-70B Seahawk naval helicopters will give to the Republic of Singapore Navy (RSN).

DSTA played an important role in

DEMONSTRATING COMMITMENT

Dedication Beyond Defence



THE National Day Parade (NDP) saw the nation come together to celebrate Singapore's independence in the biggest birthday bash of the year. DSTA is proud to have played a vital role in the NDP's success.

Ground Reinforcements

For the first time in the history of NDPs held at the Padang, the Presidential Drive-Past was conducted right on the Padang field. This was made possible by a team led by former Senior Engineer Poon Jiing Koon, co-Chairman of the Committee, and Senior Engineer Michael Teo from Protective Infrastructure Programme Centre (PC). The team hardened the Padang ground and made it more stable to allow for the Presidential Drive-Past and to take on heavy props such as floats, which can weigh up to five tonnes each.

In addition, the team also designed the seating galleries and maximised the capacity of the Padang.

Making an Impact

One highlight of this year's show was the Mobile Column where over 200 military platforms hit the roads. Engineers Sim Chee Ann and Lim Chun Chiang from Protective Infrastructure PC assisted in the assessment of the possible road

impact resulting from the Mobile Column Drive-Past.

Firing Off

An essential parade ceremony, the Presidential Gun Salute is held to honour the President while he inspects the Guard-of-Honour contingents. A team of DSTA engineers – comprising Senior Engineer Angelia Hoong, Engineer Lim Chuan Kai and Senior Technical Officer Cheng Ting Sung from Armament Systems – was tasked to assess the placement and safety levels of the ceremony involving 25-pounder guns.

Sounding out the Parade

On the PA and Sound front, Principal Engineer (Infocomm Infrastructure) Victor Tan led the DSTA team to oversee all the audio requirements for NDP 2010.

For the previous parade held at the Padang in 2005, the main speakers were placed only at the rooftop of the City Hall building. To enable the performers to achieve a more precise music synchronisation this year, the team situated the speaker systems right at the performance area for a much better sound projection.

In addition, the team conducted risk assessments to ensure that adequate mitigation actions were

taken. Sound system failover tests were conducted for all audio equipment from the main speaker systems right down to the individual microphones.

Supporting the NDP

Another committee was the Technical Support Committee led by Principal Engineer (Systems Management) Seah Lye Kang. Working along with Lye Kang were Senior Engineer Yeo Yee Ngee and Engineer Ong Ka Hing from Protective Infrastructure PC.

Taking charge of all power requirements of the parade, the team put together a complex 25km-long network of cables and 40 generators – the amount of electricity generated was enough to power 39 HDB point block flats!

Shopping for the NDP

Fun packs, fireworks, costumes, bus services, meals, and all things big and small fell under the purview of Senior Manager (Procurement) Rajinder Singh and his team once again. One of the greatest challenges the team had to overcome was meeting all the requirements of the various committees within the given timelines as they had to ensure that all items procured were delivered on time.

Reaffirming DSTA's Commitment to National Defence



THE First of July has always held a special meaning for the Singapore Armed Forces (SAF) and its National Servicemen (NSmen) as it marks SAF Day, a day when they renew their pledge and commitment to defend and safeguard the security of Singapore.

DSTA demonstrated its support for the occasion by participating in the SAF Day Combined Rededication Ceremony for the West Zone 2010 at SAFRA Mount Faber. Led by Chief Executive Soh Kong Pheng, DSTA members joined some 200 NSmen from 34 other companies to rededicate themselves to the defence of Singapore publicly.

The NSmen were welcomed by Officiating Minister and Minister for Trade and Industry Lim Hng Kiang, and Singapore Technologies Logistics Chairman Rear Admiral (Retired) Richard Lim. During the ceremony, Kong Pheng received a token of appreciation from Minister Lim in recognition of DSTA's support for national defence and the contributions of its NSmen.

In addition, 11 DSTA NSmen were promoted to higher ranks in July 2010 for performing their NS duties proficiently and beyond the call of duty.

A Milestone in Public Service

HELD from 17 to 23 May 2010, Public Service Week (PSW) was a time to reflect, connect, recognise and celebrate the achievements of public officers and agencies.

As part of PSW's host of programmes, the inaugural Excellence in Public Service Awards Ceremony was initiated to commend individuals and agencies for their service and organisational excellence. DSTA received the Public Service Milestone Award.

Other PSW activities included a carnival that was held for the first time on 22 May 2010 at the Bukit Batok Civil Service Sports Club where all public officers and their families enjoyed some games together. A commemorative book entitled 'Pioneers Once More: The Singapore Public Service, 1959 – 2009' was also launched to trace the evolution of the service and celebrate the achievements of past public officers.



A Blazing Trail of Success



WITH a dedicated team, DSTA contributed to the success of Singapore's first and largest international sporting event ever - the Singapore Youth Olympics (YOG) held from 14 to 26 August 2010.

Armed with engineering expertise, a team of DSTA engineers was on the ground from the kick-off of the YOG preparations to the last note of the closing ceremony. Not only did the engineers assist in the development, design and construction of the YOG cauldron, they also had to make sure that the YOG flame would burn continuously throughout the competition period. In addition, the team was in charge of the power supply for the YOG opening and closing ceremonies and the stage's construction. The engineers also gave recommendations on the safety requirements of the floating platform, the cauldron and other operational matters.

At the same time, another team from Procurement Programme Centre provided consultancy services to the YOG organising committee for the various procurement requirements.

Apart from the engineering and procurement teams, 39 DSTA members also blazed the trail as Short-Term Assigned Regular Staff and took on various roles and duties during the YOG in August.



NURTURING YOUNG TALENTS

To Further Depths of Knowledge



SCHOOL examinations were over and holidays were round the corner, but the learning did not stop for 101 students from various secondary schools and pre-tertiary institutes. They joined 26 recipients of the DSTA undergraduate scholarship to visit the Navy Open House on 20 May 2010.

Held at Changi Naval Base, Navy Open House 2010 showcased the capabilities of the Third Generation Republic of Singapore Navy (RSN). This included many key programmes managed and delivered by DSTA, namely the Formidable-class stealth frigates, landing ship tanks and the Challenger-class submarines.

The visit was a hit among the students. They took a close look at the RSN's impressive suite of weapons, learnt about the capabilities that DSTA helps to build for the RSN, and explored the career and scholarship opportunities available in DSTA and the Defence Technology Community.

Cultivating an Interest in Defence Science and Technology

SOMETIMES, five days are all that are needed to cultivate a lifetime's interest in science and technology, and that was just what the four Young Defence Scientists Programme Science and Technology Camps held in June and December aimed to accomplish.

Designed to spark interest in defence science and technology, the first two camps held from 31 May to 4 June 2010 attracted 30 Integrated Programme (IP) Year 2 and 35 IP3 students. Another 36 IP2 and 27 IP3 students participated in the December camps held from 29 November to 3 December 2010.

Students who took part in the June camps learnt about the



fundamentals of naval technology as well as essential ship building principles such as hydrodynamics, buoyancy and speed. The IP2 students were tasked to construct waterborne vessels powered by motors, while the IP3 students had to create vessels capable of full user control with electronic components incorporated. In a competition to decide whose vessel was the best, students from Raffles Institution (RI) and Dunman High School emerged victorious in the IP2 and IP3 categories respectively.

In the camps held in December, the students were introduced to the fundamentals of robotics and electronics. The IP3 students were exposed to programming as well. The students' new-found knowledge was put to the test when they designed and built motor or programmable vehicles. IP3 students from Hwa Chong Institution (HCI) and IP2 students from RI and HCI proved that their vehicles were most competent and emerged as winners in the friendly competition.

Bright Sparks from Future Defence Scientists



INNOVATION, imagination and creativity: these are qualities that are valued in any field. At the Young Defence Scientists Programme (YDSP) Congress 2010, some 200 students showed their mettle through novel concepts and projects that may have future applications in defence science and technology.

Held on 8 April 2010 at Orchard Hotel, the YDSP Congress marked the culmination of YDSP activities held over the last 12 months. Deputy Prime Minister (DPM) and Minister for Defence Teo Chee Hean was the Guest of Honour.

Promising projects from the 2009 YDSP activities were featured in an exhibition during the Congress, drawing keen interest among the participants and DPM Teo, who visited several booths and interacted with the students to learn more about their project findings.

Among the highlights of the Congress was the YDSP Scholarship and Academic Awards ceremony. Thirty Integrated Programme (IP) Year 3 students nominated by their schools were awarded the YDSP Scholarship for academic excellence in science, while 57 IP students received the YDSP Academic Awards for proficiency in Physics and Mathematics.

Congratulations to our Scholars!



Young Inventors Showcase their Talents

THE cultivation of creativity begins with a hunger to learn and seek out new knowledge, as amply demonstrated by teams that vied for the Tan Kah Kee Young Inventors' Awards 2010.

The awards are presented annually to encourage students to use their knowledge and skills with imagination and daring innovation, and to promote scientific and technological research among young and aspiring scientists. The competition is organised by DSTA, the Tan Kah Kee Foundation, and the Agency of Science, Technology and Research, along with the support of Science Centre Singapore (SCS).

This year, 53 schools, teams and individuals received awards in five categories catering to various interests and age groups. The winners received their awards from Senior Minister of State for National Development and Education Grace Fu, who was the Guest of Honour during the award presentation ceremony held on 5 June 2010 at SCS.

The winning entries in this year's competition were displayed at an exhibition held at SCS from 5 to 13 June 2010.



DSTA provides a conducive environment filled with exciting opportunities for aspiring defence scientists and engineers, according to Permanent Secretary (Defence Development) and Chairman of DSTA and DSO National Laboratories Dr Tan Kim Siew.

This year, 53 DSTA Undergraduate Scholars were selected from some 600 applicants. They joined 31 Junior College Scholars and 25 Postgraduate Scholars to receive their awards from Deputy Prime Minister and Minister for Defence Teo Chee Hean at a ceremony held at Orchard Hotel on 7 July 2010. This also marked the 11th consecutive year that DSTA has awarded scholarships to some of Singapore's brightest science and engineering talents.

In addition, 25 DSTA members received the DSTA Scholarship (Postgraduate) to hone their technical skills through further studies in specific technology areas.

Unwavering Passion, Untold Possibilities



LAUNCHED on 4 September 2010 at *SCAPE, the inaugural National Engineers Day (NED) recognised the contributions and achievements of engineers. The event also reached out to the public on engineering issues and promoted the engineering profession as a desired career choice among students. NED was spearheaded by the Institution of Engineers, Singapore.

DSTA was a sponsor for the event and showcased its engineering expertise at a public exhibition that was held in conjunction with the NED from 4 to 7 September 2010 at *SCAPE. More than 2,000 people visited the four-day exhibition which featured Singapore's engineering innovations from space, aviation, automobile as well as the robotics industries.

At DSTA's booth, DSTA engineers from Land Systems

Programme Centre were on hand to speak to visitors about the Chemical, Biological, Radiological and Explosive Robotics Suite that DSTA had developed together with DSO National Laboratories and ST Kinetics for the Singapore Armed Forces.

As part of the NED, DSTA also opened its doors to welcome more than 250 students and their teachers at the main lobby in Science Park on 8 September 2010. DSTA engineers interacted with the students and explained some of the technologies and engineering innovations behind projects such as the F-15SG, Formidable-class stealth frigate and the Advanced Combat Man System. Students also had a chance to touch and hold exhibits like the SAR21 rifle and the Man-portable Anti-Tank, Anti-Door disposable anti-armour weapons system.

In the Search for Greater Minds

DSTA showcased that a career in the defence science and technology industry was nothing short of exciting and challenging at the two Scholarship Open House events held on 9 September and 2 October 2010.

Welcoming the crowd at the Open House held on 9 September

2010, then Director (Human Resource) Rosemary Yeo encouraged the students to look for an area in the defence ecosystem where they could ignite their passion and be inspired professionally to contribute to Singapore's national security.

Acting Director (Human Resource) Vincent Lim was present to receive the crowd on 2 October 2010, and he too, encouraged the students to find their niche in the defence ecosystem, pointing out that

the work that defence engineers do is very important and relevant to the world today.

Organised annually, the DSTA Scholarship Open House aims to engage potential scholarship applicants and their parents by providing them with information on the DSTA scholarship and career opportunities in the Defence Technology Community (DTC).

This year, the programmes included talks on the DSTA

scholarship and the DTC, sharing sessions by DSTA scholars and a showcase of project exhibits from various programme centres. Apart from interacting with DSTA engineers at the Science Park lobby, the 250 students and parents were also invited to DSO National Laboratories and the Centre for Strategic Infocomm Technologies to learn more about the organisations and the work they do.



EXEMPLIFYING EXCELLENCE



Tribute to Kong Pheng for a Decade of Contributions

FIRST serving as Deputy Chief Executive (CE) (Operations) from 2000 to 2007 and then as CE for the following three years, outgoing CE Soh Kong Pheng has left an indelible mark on the organisation in many ways.

Multiple capabilities were delivered successfully to the Singapore Armed Forces (SAF) during his tenure. These included platforms for air, land and sea, as well as facilities, programmes and other systems. As Kong Pheng led DSTA to support the SAF, he also lent strength to homeland security. Under his leadership, DSTA delivered several platforms to the

Ministry of Home Affairs.

To ensure that DSTA would remain well-positioned to meet the SAF's operational demands in the future, Kong Pheng effected leadership review and renewal and created opportunities for staff to strengthen their technical and leadership competencies. Kong Pheng explained: "These changes are designed to sharpen our focus in technology and capability development, and ensure stronger integration and technical coherence in front-end planning and systems architecting within and across projects and Programme Centres."

Another focus high on Kong

Pheng's priority list was that of human capital management and development. For that, he put several initiatives in place to provide staff with a career where they could continually upgrade their knowledge and sharpen their skills. This included the establishment of a comprehensive DSTA Competency Development Framework to guide the growth and accreditation of every staff. In addition, he revised the performance management system, introduced mandatory discussions on performance between staff and their supervisor, and strongly encouraged staff rotation to broaden every staff's breadth of knowledge and allow

them to develop multi-disciplinary capabilities and knowledge.

Kong Pheng has further strengthened DSTA's Governance Framework for better risk management and public accountability, thereby enabling DSTA to move up another notch in organisational excellence.

Through his decade with DSTA, Kong Pheng has charted an important roadmap for DSTA to remain relevant not only to Singapore's defence needs but also as a key member of the Defence Technology Community.

The Joy of Giving



IN 2010, DSTA members showed their care and concern for the less fortunate through various volunteering and charity programmes.

As part of DSTA's Volunteer-A-Day (VAD) programme, volunteers from Enterprise IT Programme Centre (PC) brought some underprivileged children from Tampines Family Service Centre (FSC) out to decorate and fly kites on 10 August 2010. Tampines FSC

is one of three welfare organisations that DSTA worked with in 2010.

The children also had fun when volunteers from Finance and Shared Services Centre brought them out on an educational excursion to historical hubs of the major racial communities in Singapore on 7 September 2010.

On 17 December 2010, at the Mint Museum of Toys, volunteers from Land Systems PC shared their love with the children as they bonded over the history of toys.

Apart from the VAD programme, DSTA members also got into the spirit of caring and sharing by participating in the Sharity Gift Box project organised by the Boys' Brigade. A high profile national community service project during the Christmas season, the project collects gifts from thousands of Singaporeans based on a wish list specially compiled by voluntary welfare organisations. The gifts are then distributed to the less fortunate. This Christmas, DSTA members fulfilled 239 wishes for needy families from three voluntary welfare organisations by gifting them with stationeries, toys, furniture, bicycles, electronic ovens and more over November and December.

Through these acts of kindness, DSTA shows that it is not just an organisation that contributes to national defence but also one that lends a helping hand to Singaporeans in need.

Striving Towards Further Fields, Richer Depth and Greater Heights



AS DSTA celebrated a decade of growth and achievements in 2010, the organisation also looked ahead to its future development. At the DSTA Staff Conference 2010 held on 19 May, senior management from DSTA and the Singapore Armed Forces (SAF) shed light on what makes DSTA distinctive, and shared several important aspects of DSTA's journey ahead.

Based on the theme of 'Further Fields, Richer Depths, Greater Heights', the conference highlighted DSTA's achievements over its 10-year history, and reaffirmed its commitment to deliver capabilities that meet Singapore's evolving defence and security requirements.

DSTA received congratulatory

remarks from Chief of Defence Force Major-General Neo Kian Hong for having delivered good capabilities to the SAF. In his keynote address, he spoke of DSTA's significant contributions in transforming the SAF into a Third Generation fighting force, and elaborated on several key challenges that lie ahead for DSTA.

Also, in recognition of the sterling contributions made by DSTA members in the past year, awards were presented to outstanding teams and individuals during the conference. On behalf of DSTA, Chief Executive Soh Kong Pheng presented Long Service Awards to members who have served the organisation for 35 years or more.

Other awards presented included the Team Excellence Awards, Innovation Excellence Awards, Productivity and Innovation Awards and Star Service Awards, while authors of the sixth edition of DSTA Horizons were also commended for their efforts. At the event, Protective Infrastructure Programme Centre (PC) also received the Inter-PC Sports Tournament trophy.

Electrifying the Stage

WITH a love for music, a motivation to learn from other musicians, and a desire to build friendships with colleagues beyond work, members from various programme centres came together to form The Star Electric Ensemble (TSEE), DSTA's first live band, in July 2010.

TSEE's debut performance at DTTA Auditorium was played to a full house. Held on 21 December 2010 in conjunction with Christmas, the concert saw a refreshing edge injected into traditional Christmas carols and showcased the spectrum of music genres that TSEE is capable of. With their musical skills and talent, TSEE gained more than a handful of new fans by the end of the concert.



A Star in Quality

DSTA has moved a notch up the business excellence ladder by attaining the coveted Singapore Quality Class Star status!

The Integrated Assessment held on 14 and 15 October 2010 for DSTA's renewal of the Singapore Quality Class (SQC) and Singapore Innovation Class (I-Class) certifications turned out to be more than a routine renewal. Having showcased an impressive level of organisational excellence and competency, DSTA joined the ranks of 16 other companies with SQC Star certification. There are currently 430 SQC-certified organisations in Singapore.

This is yet another milestone in DSTA's 10-year business excellence journey. After first attaining the SQC and I-Class certifications in 2003 and 2007 respectively, DSTA has been pursuing business excellence through a disciplined approach of addressing key customer and operational requirements, as well as encouraging learning and innovation.

It's Assessment Time!

Held once every three years, the renewal assessment is conducted



by SPRING Singapore's Business Excellence Assessment Committee. This time round, four assessors were brought in for a site visit.

Stretching over one and a half days, this year's assessment involved over 100 DSTA members from various Programme Centres and departments. Members of Senior Management were led by Chief Executive Soh Kong Pheng and Deputy Chief Executive (Strategic Development) Teo Chin Hock in a three-hour presentation which targeted categories in accordance with the assessment criteria. The topics discussed included customer relations, information management and human resource policies.

DSTA members were also randomly selected to participate in group interviews with the assessors. Learning and development opportunities, work culture, as well

as familiarity with the organisation's values and missions were just some of the topics discussed during these sessions. In addition, the assessors also conducted several document reviews to better understand DSTA's work processes.

A follow-up report from the assessment team conveyed positive feedback on various aspects. In addition to being highly impressed by DSTA's innovation capabilities which made it possible for DSTA to deliver successful projects to its stakeholders, the assessors also saw great value in DSTA's eHabitat portal infrastructure, intellectual content and wealth of case studies. The assessors highlighted that the emphasis on staff training and development through the Competency Development Framework was one of DSTA's key strengths as well.

Hitting the Charts

DSTA is up on the charts! Potential scholars, undergraduates and fresh graduates surveyed in 2010 have identified DSTA as their preferred employer.

In a survey conducted between March and April 2010 by Brightsparks, JobsFactory's online portal for scholarships, careers and higher education, DSTA emerged as the seventh most popular scholarship provider as indicated by 1,000 potential scholarship applicants. The DSTA Scholarship (Undergraduate) also moved up the rankings to become the 10th most sought-after local scholarship.

DSTA was also ranked as the fifth most preferred government or government-linked organisation in JobsFactory's Employer of Choice Survey that was held in August 2010. The 4,597 respondents included undergraduates, as well as graduates who had graduated in the last three years from local universities.

In another survey conducted by GTI Media and its strategic partner CPA Australia in October 2010, DSTA was ranked 19th among a shortlist of 100 Leading Graduate Employers in Singapore. Notably, the survey results cut across private and public sector organisations and DSTA took the top spot out of the latter group. The survey respondents included Singaporean undergraduates and fresh graduates based locally or living abroad.

Cheers, Singapore!



THE CMPB parade square was transformed into a sea of red on the morning of 6 August 2010 as DSTA members came together to celebrate Singapore's 45th birthday during the annual National Day Observance Ceremony.

Chief Executive Soh Kong Pheng led members to sing the national anthem and recite the pledge, followed by a workout session and a 2.4km walk to HortPark.

NEWS IN BRIEF

Changes in the Board

DSTA welcomed five new Board Members in 2010.

In March, Chief of Defence Force Major-General **Neo Kian Hong**, Chief of Staff-Joint Staff, Rear-Admiral **Ng Chee Peng**, Professor of Industrial and Systems Engineering, National University of Singapore, **Professor Goh Thong Ngee**, Director (Higher Education), Ministry of Education, **Tan Gee Keow**, and Vice President and Managing Director, Hewlett-Packard Singapore (Sales) Pte Ltd, **Tan Yen Yen**, were appointed as Board Members.

The five Board Members who stepped down from the Board were Lieutenant-General **Desmond Kuek**, Brigadier-General **Chan Chun Sing**, Chairman and Director, SEMICAPS Corporation Pte Ltd, **Professor Jacob Phang Chee Hong**, Deputy Secretary (Policy), Ministry of Education, **Loh Ngai Seng**, and Director, MFS Technology Ltd, **Alex Chan Meng Wah**.

Sharpening DSTA's Focus on Delivering Coherent and Integrated Capabilities

To better meet the demands of the Third Generation Singapore Armed Forces (SAF), DSTA's acquisition Programme Centres were restructured on 1 April 2010. The restructuring has put DSTA in a better position to handle complexities, enhanced DSTA's ability to respond to changes quickly, sharpened the development of competencies, and created the capacity for DSTA to stay ahead of the technology curve. It has also allowed DSTA to deliver capabilities to the Third Generation SAF instead of merely projects.

Enhancing the Effectiveness of Corporate Entities

To better define the roles and responsibilities of each corporate entity, create synergy, and enhance the effectiveness of corporate entities, Corporate Planning and Development (CPD) and Corporate Services (CSVC) were restructured with effect from 1 October 2010.

After the restructuring, CPD now consists of Plans, Organisation Performance and Finance. CSVC is made up of Security, Corporate Communications, Shared Services Centre and Business Excellence.

In addition, several departments that were under the two corporate entities have also joined other entities following the restructuring. Organisational Development and Engagement has joined Human Resource, the Information Resource Centre has joined DSTA College, and Legal is now part of Procurement Programme Centre. Joining the Chief Information Officer's Office are the Knowledge Management Team, the Portal Team, and the DSTA Enterprise Systems Team.

Sharing of Knowledge through DSTA Lecture Series

In a bid to enhance knowledge sharing among the defence community and other national agencies, DSTA organised four DSTA lectures in 2010.

Dr Steven Aoki, Deputy Undersecretary for Counterterrorism in the US Department of Energy, kicked off the lectures on 18 January 2010 when he provided his insights into non-proliferation and counterterrorism. Next was **Dr James A. Tegnelia**, former Director of the US Defense Threat Reduction Agency, and he spoke about research, innovation, and the public service on 24 February 2010. In the third DSTA Lecture held on 18 March 2010, IBM Analytics Group Chief Scientist **Jeff Jonas** highlighted how next-generation smart analytic systems could be leveraged to improve enterprise intelligence. Lastly, **Professor Lee Jin-Fa** from the Electroscience Laboratory of the Electrical and Computer Engineering Department at Ohio State University, USA, rounded up the year's DSTA lectures with his talk on science and applications of computational electro-magnetics.



- TIPS & TRICKS -

Here is a collection of *tips and tricks* to help you do more — and be more productive — with less.

Hardening up Your Soft Skills

In DSTA, learning is not only continuous but also holistic. We gain technical knowledge from lectures and seminars as well as soft skills through specially organised lunch-time talks. Here are some quick tips extracted from four lunch-time talks conducted in 2010:

Dress for Success

1. Wear only clothes that fit properly as it can make a difference between looking well-dressed or shabbily dressed.
2. Ladies should avoid wearing revealing clothes such as mini skirts, tube tops and clothes with spaghetti straps. Blouses worn should come with a comfortable collar without a revealing neckline. Blouses made of material that are too thin should also be avoided.
3. Men should avoid wearing sloppy attire, including crumpled shirt and tie and trousers that are too short. The hemline of a good pair of trousers should end where the heel meets the shoes.

Social Graces, Business and Dining Etiquette

1. A leopard cannot change its spots? Think again. Manners and etiquette are skills that can be learned!
2. Name cards DO NOT belong in your wallet. Stash them in a leather name card holder for a touch of class and professionalism!
3. Turn that negative into a positive. Instead of "I don't know", say "I will find out and get back to you as soon as possible".



Anger Management

1. Understand that anger is not caused by events but by the way the events are viewed.
2. Take a time-out and cool down before returning to emotionally charged discussions.
3. Seek professional help if anger becomes a constant in your life and if it affects your lifestyle.

Practical Optimism to Manage Change

Use the 3Ps to explain good or bad events:

1. Permanence: Good events are permanent (e.g. "I am always lucky") while bad events are temporal (e.g. "I am unlucky today").
2. Pervasiveness: Good events are pervasive and universal (e.g. "I am friendly") while bad events are limited to a particular scope (e.g. "I am unfriendly in her eyes").
3. Personal: Good events are internalised (e.g. "I look good in this photograph") while bad events are externalised (e.g. "The photographer was not skillful enough").



Internet and IT Security

Today, the internet plays an important role in our day-to-day work. However, it is also a double-edged sword that can expose users and the organisation to multiple risks. These quick tips will help you protect your laptop and email account:

Protecting the Intranet

1. Do not connect third party storage devices (e.g. from contractors) to the shared network. Instead, email the files over or save the files in a DVD/CD-ROM.
2. Do not plug DSTA thumb-drives into unprotected systems or networks, including home networks.
3. Exercise caution when dealing with emails from unknown sources, especially those that contain file attachments with .exe, .vbs, .pif or .scr extensions.

Securing our Email Accounts

1. Use your DSTA email account primarily for official purposes.
2. Do not share or access another user's email account.
3. Ensure that the content of emails sent from official accounts will not subject DSTA to any public embarrassment or legal obligation.

Workplace Improvements

We spend at least 50 percent of our waking hours in the office. Thus, our office can be considered as our 'second home', and everyone has a part to play in making this place a more liveable environment. Here are some quick suggestions:

A Rodent-free Environment

1. Eat only in the designated areas (e.g. pantry and canteen) and always clean up after eating.
2. Keep all food items in tightly sealed glass containers.
3. Allocate some time each week to do some housekeeping and keep workstations clean and hygienic.



A Safer Environment

1. Keep corridors, walkways and passageways that have been designated as emergency escape routes clear at all times.
2. Switch off electrical appliances or equipment when they are not in use.
3. Keep items in your cabinets or drawers. Avoid keeping items in empty spaces underneath the floorboards as they may catch fire if the cables under the floor short-circuit.



A Cleaner and Healthier Environment

1. Cover your mouth with a tissue or handkerchief whenever you cough or sneeze.
2. If you find yourself coming down with flu, put on a face mask and visit the doctor.
3. Allocate some time each week to wipe down furniture surfaces, including telephones and computer keyboards.



A Greener Environment

1. Use the recycling bins located at the lift lobbies on DSTA premises for non-classified paper waste.
2. Use the recycling bins at the DTTA and Science Park canteens for plastics and beverage cans.
3. Print and photocopy using both sides of the paper.



AWARDS

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National Innovation and Quality Circles (NIQC)

DSTA had a record-breaking haul of three Star and three Gold awards at the NIQC Team Excellence Assessment held on 22 January 2010

Corporate Information Technology (CIT) Special Recognition Award (Project Category)

Three DSTA project teams were recognised for their outstanding achievements and contribution to the CIT field. They are:

- the OA Email Disaster Recovery Facility team
- the Enterprise Systems Operations and Support team
- the iPrepNS team

Public Service Milestone Award

DSTA received the award on 21 May 2010 for attaining key organisational excellence

ISO 9001:2008 Certification

DSTA attained the certification for its management system standard on 28 July 2010

Distinguished Pledge Ambassador

DSTA received this certificate on 26 June 2010 for its active participation in the Singapore Family Pledge Movement, an indication of DSTA members' strong sense of commitment to their families

Workplace Safety and Health Innovation Award

A group of engineers from Protective Infrastructure Programme Centre received this award on 30 July 2010 from the Workplace Safety and Health Council for their Firefighting System in a Vehicle Tunnel Environment for the Underground Ammunition Facility

Water Efficient Building

DTTA and DSTA Science Park were certified to be Water Efficient Buildings on 23 September 2010 and 3 November 2010 respectively for DSTA's efforts in water conservation

Friends of Water

This certification was given to DSTA on 24 September 2010 in recognition of DSTA's contributions in raising awareness of water conservation

bizSAFE Partner Recertification

DSTA was recertified in October 2010 by the Workplace Safety and Health Council for providing motivating factors for small and medium enterprises to join the bizSAFE programme

Singapore Quality Class (SQC) Star

Having showcased an impressive level of organisational excellence and competency, DSTA received the SQC Star certification on 2 December 2010, making it one of only 17 organisations in Singapore to receive the certification

Innovation Class Recertification

DSTA received this recertification on 2 December 2010 for organisational excellence

Defence Technology Prize (DSTA Winners)

DTP2010 Team (Engineering) Award

The Gulfstream 550
Advanced Early Warning Team
DSTA, DSO National Laboratories (DSO),
Republic of Singapore Air Force (RSAF),
ST Aerospace, ST Electronics

The Comprehensive Maritime Awareness Team
DSTA, Republic of Singapore Navy, DSO,
ST Electronics

The TERREX Infantry Carrier Vehicle Team
DSTA, the Singapore Army, ST Kinetics

The Guided System Team
DSTA, DSO, ST Kinetics

National Day Award (as of 9 August 2010)

Public Service Medal

Betty Khoo
DSTA Board Member and Chairperson of the
DSTA Audit Committee

Public Administration Medal (Gold)

Soh Kong Pheng
Chief Executive

Public Administration Medal (Silver)

Pang Poh Cheng
Director, Enterprise IT

Yeo Mei Li Rosemary
Director, Human Resource

Public Administration Medal (Bronze)

Tay Yeow Koon
MINDEF Chief Information Office,
MINDEF Information Systems Division

Dr Koh Hock Seng
Head Capability Development, Naval Systems

Ong Hi Loon
Assistant Director, Air Systems

Chua Hee Tiam
Head Resident Programme Office,
Networked Systems

Commendation Medal

Cheng Heng Ngom
Principal Engineer, C4I Development

Chua Hing Han Eric
Senior Principal Engineer, Land Systems

Khoo Wee Tian
Head Engineering, Air Systems

Koh Seow Yew
Senior Principal Engineer, Systems Management

Lam Kek Hua
Senior Manager, Procurement

Ng Kok Keng
Head Capability Development,
Networked Systems

Quek Tong Soon
Programme Director, DSO
(Seconded from DSTA)

Teo Koon Kiat
Principal Engineer, Systems Engineering

Tong Chee Kong
Resident Lecturer, DSTA College

Yip Mei Foong
Senior Principal Engineer, Enterprise IT

Efficiency Medal

Chow Kan Fong
Technical Officer, Land Systems

Chua Siak Huat
Senior Technical Officer,
Protective Infrastructure and Estate

T Sathiananthan
Senior Technical Officer,
Protective Infrastructure and Estate

Thien Yin Hing Peter
Senior Technical Officer,
Protective Infrastructure and Estate

Yeow Lay Keng
Assistant Executive, Corporate Planning
and Development

2010 Long Service Medal (DSTA)
Ang Seng Hee Lawrence
Protective Infrastructure and Estate

Chan Yin Wan
Corporate Planning and Development

Chang Eugene King
Systems Management

Chang Mun Yuen
Protective Infrastructure and Estate

Chia Cheng Ghee
Protective Infrastructure and Estate

Gerad Joseph
Systems Management

Kua Soon Hoe
Protective Infrastructure and Estate

Lee Chooi Har
Corporate Planning and Development

Lee Ying Kin
Human Resource

Loh Kim Chye
Protective Infrastructure and Estate

Loong Mann Shian
Networked Systems

Low Chin Seng Victor
Protective Infrastructure and Estate

Ng Chong Heng
Protective Infrastructure and Estate

Ng Nee Boon
Protective Infrastructure and Estate

Ng Tian Kok
Systems Management

Ong Hi Loon
Air Systems

Ramanathan Gunasekaran
MID-RSAF-HQRSAF

S Santhirasekar
Protective Infrastructure and Estate

Tan Sok Kiang Julie
Human Resource

Tang Bee Theng
Human Resource

Tay Chee Wah
Protective Infrastructure and Estate

Yap Kah Leng
Systems Management

Yeo Hong Lee
Systems Management

VOICES

ON SPENDING 10 YEARS HERE . . .

"In my first few years here, we had to use shared computer terminals if we wanted to access the internet. Now, everyone has a laptop that can access web-based applications and even work from home!"

Senior Engineer
(Infocomm Infrastructure)
Paul Yeo

"Despite having spent 10 years here, I find that I am still learning every day – what I appreciate about DSTA is the generous training opportunities that are offered to its members. Learning is a continuous journey here in DSTA."

Senior Analyst
(Systems Engineering)
Cheng Siew Yen

"I really appreciate the people who take pride in their work and give their best to produce results. This is the spirit of DSTA, and what I enjoy about my career here."

Senior Investment Manager
(Cap Vista Pte Ltd)
Alex Lee

"What I enjoy most about working in DSTA are the relationships I have developed with my colleagues. There are no office politics, and it has been that way since I joined 10 years ago."

Senior Engineer
(Land Systems)
Ang Chin Tiam

"The organisation has given me many opportunities to develop my skills – through overseas and local courses, a job posting to the Resident Programme Office in Paris, and even a postgraduate education at the Naval Postgraduate School in the United States!"

Principal Engineer
(Naval Systems)
Winston Ong

"My colleagues are helpful and always willing to share their knowledge. I like my colleagues and the friendly environment in DSTA."

Senior Engineer
(Enterprise IT)
Catherine Chua

"Many things have changed in the organisation. Processes, especially, have been streamlined for higher efficiency. For example, most documents are now done on the computer and submitted online by the individual."

Assistant Executive
(Human Resource)
Jocelyn Yeo

"DSTA has placed a greater emphasis on family and work-life balance over the years. The management understands the importance of letting DSTA members spend time with their families and this is clearly reflected in policy changes over the years."

Senior Engineer (C2IT)
Louis Lam

"What I like most about working in DSTA is the great working relationship with colleagues, and I have forged close friendships with many of the people I have worked with over the last 10 years. I am glad many of them are still around, like me."

Manager
(Corporate Planning and Development)
Patrick Lim

"Working in DSTA has enhanced my skills. I really appreciate DSTA for its willingness to invest in its people."

Manager
(Procurement)
Edmund Chua

Football Fiesta



KICKING off 2010 with some good fun were DSTA's football enthusiasts at the annual DSTA Futsal Tournament on 16 January 2010.

On the scorching Saturday morning of the tournament, some 80 members gathered at Saint Wilfred's Stadium to compete for the coveted title of champion. Socks were pulled and sleeves were rolled as the teams got ready for the exciting matches ahead. It was all action from the blow of the whistle! After roughing it out for what seemed like eternity under the hot sun, team Triumph International edged out the rest to emerge victorious.

Hotshots on the Basketball Court



ORGANISED by the Basketball Special Interest Group, the Inter-Programme Centre (PC) 3-on-3 Basketball Tournament held on 23 January 2010 attracted 11 teams from various PCs.

The matches started proper and the teams got into action immediately. To encourage more female players to aim for the basket, a change was made to the usual basketball 3-on-3 rules to award bonus points whenever female players scored. This special rule enabled greater flexibility within the teams to strategise and utilise this advantage.

In the nail-biting finals, 'PC 8 Again' scored the winning point over 'PC 7 Networked Systems' to emerge as champions. 'CI' from Protective Infrastructure PC came in third. In addition, 'PC 5' received the Best Participation award for their zeal and enthusiasm.

Getting a Kick out of Soccer

NIFTY footwork and sharp tackles ruled the pitch at DSTA's annual Street Soccer competition. Jointly organised by the DSTA Football Special Interest Group and Air Systems Programme Centre (PC), the annual Inter-PC Street Soccer Competition spanned across February and March and attracted an overwhelming response.

Held at the Street Soccer Court at Telok Blangah Crescent, the matches were fast, furious and packed with excitement. It was an exciting tussle among six teams for the top spot at the finals played on 9 March 2010. Amid cheers from avid supporters rooting for their favourite team, 'Fat Boys' edged 'PRM' to win the much coveted title. The second runner-up was 'Connection 1'.

Of Chariots and Cannons



THE annual Inter-Programme Centre Chinese Chess Tournament witnessed some fierce chessboard combat as the competitors pitted their skills against one another on 4 March 2010. To add to the intensity, the players had to keep up with the clock as they had to defeat their opponents within 30 minutes, regardless of the number of moves made.

After an evening of intense matches, Senior Technical Officer (Systems Management) Pang Lip Hen clinched the top spot while Assistant Director (Shared Services) Ng Teck Kim and Senior Technical Officer (Protective Infrastructure and Estate) Michael Kuan emerged first and second runners-up respectively.

Gen X Trumps Gen Y

FOOTBALL fans in DSTA were in for a treat when two teams, Team Gen X and Team Gen Y, locked horns at the annual DSTA Football Cup!

Two teams battled it out on 4 December 2010 at the Marina Bay Floating Platform for the championship title. Despite Team Gen Y's strong defence, Team Gen X managed to score a goal halfway through the game. Through a lot of skill and strategies, Team Gen X held onto its lead until the final whistle and emerged victorious with a close 1-0!

Games on the Greens



THE good weather on 1 November 2010 could not have been better for the 45 golfers who took part in the Inter-Programme Centre (PC) Golf Challenge.

Representatives from various corporate departments and PCs vied with one another for the team and individual challenge trophies at the friendly competition held at Kranji Sanctuary Golf Course.

With a total score of 75 points, the team from C4I Development PC successfully won the Richard Lim Team Challenge Trophy again for the third consecutive year. Principal Engineer (C4I Development) Lim Chee Chin, the defending champion of Soh Kong Pheng Individual Challenge Trophy, also stood his ground and won it again.

Lose to Win



TO encourage healthier living among DSTA members, Shared Services Centre (Work and Life) organised a special 12-week Weight and Body Fat Management Programme.

The programme consisted of 24 one-hour aerobics sessions, during which participants worked out to the rhythmic beats of pop tunes, and six health talks that discussed topics such as stress management and diets. Apart from that, the participants also went through basic health screenings and took their health measurements regularly to ensure that they were on track. A functional fitness provider was engaged to carry out this programme held from May to August 2010.

A second run of the programme was held from October to December 2010.

Run, For Your Life!

DSTA runners have once again maintained a fabulous track record at the Ascendas Singapore Science Park Healthy Lifestyle Week 2010 by successfully winning the champion title for the seventh consecutive year.

This year's race, named 'Run for Your Life', received an overwhelming response from 56 teams. Sending in four teams this year, DSTA successfully claimed podium positions of champions and second runner-up, as well as commendable fifth and twelfth positions.

Organised by Ascendas Singapore Science Park, the week-long health promotion programme held from 13 to 17 September 2010 also featured other sports including table tennis, volley ball as well as fun team games such as Tug of War.



Win a Mystery Gift!

Answer a simple question and win a nifty prize! All you have to do is email your answer to corpcomms@dsta.gov.sg. The first 20 people with the correct answer will win a mystery gift!

QUESTION:

What can DSTA members do to help keep our workplace clean, safe and green?

1. Keep all food items in tightly sealed glass containers.
 2. Throw non-classified paper waste into recycle bins located at lift lobbies on DSTA premises.
 3. Switch off electrical appliances and equipment when they are not in use.
- a. 1 only
b. 1 and 3 only
c. 2 and 3 only
d. All of the above

P.S. Hint: the answer can be found in the pull-out!

Bowling Good Times

THE Inter-Programme Centre (PC) tournament gathered 136 avid bowlers for a skills showdown at SuperBowl @ SAFRA Mount Faber on 1 October 2010.

It was a tightly contested and exciting race down the alley among the 34 teams. Amid cheers and heartening sounds of falling pins, Systems Management PC emerged as champions! Following closely in the score lines were Protective Infrastructure PC and Infocomm Infrastructure PC which came in second and third respectively.