CIO

BUSINESS TECHNOLOGY LEADERSHIP

THE 2013

100 LISTING

CIO 100

1. 21CN Information Network

CHINA — Telecommunications

Project: An open-source virtualisation environment that takes advantage of existing hardware resources, yet is stable, efficient and powerful enough to meet current and future demand growths.

Key technologies/providers: Red Hat Enterprise Virtualization solution

Xiao Jinsong, Project Manager

2. ABN AMRO Bank, N.V., Singapore

SINGAPORE — Financial services

Project: The Launcher programme saw the IT team in Singapore implement an entire new EUC platform based on the latest Microsoft technology and migrated its total end-user base, server landscape and BCP environment to levels above industry standards. The results included a decrease in operational costs, decrease in service-desk incidents, higher user satisfaction and cost avoidance of EUR 1.2M annually.

Key technologies/providers: Microsoft server products, VMware, Hewlett-Packard, NetApp

Dirk Sibiet, Country Technology Officer, Singapore & UAE

3. Airmate Electric (Shenzhen) Co., Ltd.

CHINA — Manufacturing

Project: Through the application of IT in business, management and through technological innovation this project boosts the enterprise's upgrades and transformation, and creates value.

Key technologies/providers: Siemens Teamcenter PLM, Microsoft CRM, IBM SCM

Robert Chen, CIO

4. AMA University

PHILIPPINES — Education

Project: A standardised student and business administration system that provides a standard view of all branches; facilitates management and reduces operating expenditure; introduces a self-service portal to support students and lighten the administrative burden, and facilitates the introduction of new services to existing branches by eliminating repetitive duplication during set up. The new system also eases deployment of new systems to support international and domestic business expansion, gives greater control of distant sites resulting in uniform policies that reduce financial losses through accounting and discounting errors, and delivers a sound administrative base to support new online learning plans.

Key technologies/providers: Hewlett-Packard hardware and software

Edwin Santos, Head of Information Technology, AMA Education Services

5. Asia Commercial Bank

VIETNAM — Financial services

Project: Framework for evaluating, planning, designing and implementing the right information management strategy by adopting a strategic roadmap consisting of a proven three-pronged methodology. The framework helps ACB implement business analytics and optimisation solutions across its entire organisation, with customer analytics and service optimisation, risk mitigation and insight, and operational efficiency.

Key technologies/providers: IBM solutions

Nguyen Thanh Toai, Executive Vice President

6. AsiaTone

HONG KONG — Telecommunications

Project: Implementing cloud computing solutions to help achieve business growth by adding new services to existing data centre colocation. The solutions help reduce system management time, thereby saving equivalent cost and manpower; and makes it easier to organise disaster recovery, data backup and planned downtime. Collectively, these solutions cut go-to-market time for new customer projects from 15 days to just one hour, resulting in swifter revenue return.

Key technologies/providers: Hewlett-Packard solutions

Dominic Wong, Executive Director

7. Atul Limited

INDIA — Manufacturing

Project: Integrated XAMPP open-source vendor portal, automated landed cost computation based procurement, electronic receipt settlement and business intelligence solution.

Key technologies/providers: Oracle eBusiness Suite, Red Hat Enterprise Linux 4, MySQL, Apache server, QlikView BI, Thwaite Encryption & SSL, Cyberoam UTM, IBM server and storage, Microsoft Exchange Messaging System

Rajat Sharma, President, IT

8. Bakrie Telecom

INDONESIA — Telecommunications

Project: Business intelligence and analytics solution in database to execute high-impact customer acquisition and retention programs, strategic reporting, performance management, and other BI functions. The solution allows Bakrie to perform massive-scale data loading at very high speeds, providing immediate visibility into the company's

data so that teams can get early warnings about customer churn, analyse market patterns, and assess plans for the rollout of new services.
Key technologies/providers: EMC storage, Greenplum Business Intelligence & Analytics
Amit Bose, Chief Technology Officer

9. Bank Andara
INDONESIA — Financial services
Project: Building an IT infrastructure that supports the provision of wholesale banking services to microfinance institutions in Indonesia.
Key technologies/providers: VMware vSphere and vCenter Server, HP servers and storage
Ferdinandus Rudijanto, Head of IT

10. Bank of Xuchang
CHINA — Financial services
Project: Improving the availability, security, and stability of a core business system that processes vast quantities of financial data and millions of customer accounts involving multicurrency business transactions; providing a stable and efficient database and middleware infrastructure for the bank's business units such as debit and credit, savings, and mortgage divisions, across multiple regions; supporting the creation of new financial products and services for customers; and ensuring the system can reliably handle an average of 100,000 transactions every day and up to 200,000 transactions during peak times.
Key technologies/providers: Oracle Database, Enterprise Edition 11g, Oracle Weblogic Suite
Zhao Kunpeng, Department Chief, Technical Information

11. Bank Simpanan Nasional
MALAYSIA — Financial services
Project: Project to streamline the management and delivery of internal IT projects in order to improve Web and workflow-based functionality of project management; deliver comprehensive reporting; and simplify approval and tracking process.
Key technologies/providers: HP IT Performance Suite, HP Services
Alain Boey, Senior Vice President & Head of Transformation Management Office

12. Borneo Motors (Singapore) Pte. Ltd.
SINGAPORE — Retail
Project: Implementation of iPad native application to assist Service Advisors to upsell products and services to customers, and improve the explanation process. This helps to drive increased spend per customer and promote trust.
Key technologies/providers: Apple iPads, SingTel 3G Data Plan, Nano iTrust mobile app and CMS app, AirWatch AirTrust app
Koh Kok Tian, IS Director/Regional Programme Director

13. Casino Regulatory Authority of Singapore
SINGAPORE — Government
Project: The Casino Exclusion Order System (CES) is an information management system that automates the collection and management of data on persons excluded from the casinos.
Key technologies/providers: Microsoft Windows Server 2008 R2 Enterprise Edition, Microsoft SQL 2008 R2 Enterprise Edition, Total eBiz Solutions (app developer), NCS (facility management services)
Ee Kiam Keong, Chief Information Officer

14. Changi Airport Group (Singapore) Pte. Ltd.
SINGAPORE — Services
Project: OneChangi is a new centralised platform developed by CAG which allows the company, and its airport partners and tenants to collaborate and share information to deliver a world- class customer service to passengers and the general public. It also ensures that productivity and customer services are managed at a consistently high level.
Key technologies/providers: Wincor Instant Feedback Solution & System Integrator, Surbana e-Inspection Solution & System Integrator, Salesforce.com CRM, Naits Consulting CRM system integrator, MicroStrategy Enterprise BI product provider, Infforay BI solution system integrator.
Steve Lee, Chief Information Officer / Senior Vice President (Technology)

15. China CITIC Bank
CHINA — Financial services
Project: An enterprise data warehouse solution that provides massive parallel processing architecture for data loading and parallel query processing to support operational, tactical, and strategic business intelligence (BI) activities across the company. The project involves extracting and converting data from the bank's existing legacy systems and developing a single centralised enterprise data warehouse to enable multi-user collaborative work across 11 departments and various analytical systems.
Key technologies/providers: Greenplum database
Zhang Ming, Vice President, Credit Card Centre

16. China Paint (Shenzhen) Co., Ltd.

CHINA — Manufacturing

Project: Implementing business management solution that increases the efficiency of chemical manufacturing workflow; extracts maximum use from resources used to manufacture chemicals for reduced costs; provides information and systems that help staff make informed decisions about finance, chemical production, and logistics; optimises customer service by offering a wider selection of paints for interior masonry, metal, and wood; and supports development as a world-class chemicals organisation.

Key technologies/providers: JD Edwards EnterpriseOne Financials, Oracle Business Accelerators, Axline consultancy.

Lin Shu, Managing Director

17. China Southern Power Grid Co., Ltd.

CHINA — Utilities

Project: Implementing solutions to enable subsidiaries to meet information security requirements mandated by the parent company and the State Asset Regulatory Commission of the State Council, and to improve data audit rules, audit reports, and security measures. The solutions also help protect sensitive corporate information, such as human resources, asset sales, and transaction data from unauthorised access, and identify improper user behaviour in real time. All this allows the establishment of strong security measures for six enterprise-level applications (including power asset management, human resources, and finance) and an enterprise decision-support system.

Chen Rui, Database Administrator, System Maintenance Centre

18. Chong Hua Hospital

PHILIPPINES — Healthcare

Project: Storage solution to accommodate the hospital's newly digitised medical imaging (PACS) technology by replacing its ageing storage capacity, enabling timely data for medical teams to provide faster patient analysis; and helping broaden technical skills of the hospital's IT team through wide knowledge transfer.

Key technologies/providers: HP utility storage systems, network attached storage, HP 3PAR Storage, IBRIX X9000 Storage, ProLiant servers

Arthur Jason Go, PACS Administrator

19. City University of Hong Kong

HONG KONG — Education

Project: The "University Paperless Office Project" is part of the University's commitment to sustainability. The project uses advanced ECM technology to reduce paper and space consumption and improves efficiencies in University administrative processes as well as information security, thus balancing University growth with social responsibility.

Key technologies/providers: EMC Documentum Platform bundle, Brava for Documents WebTop and TaskSpace (from Informative Graphics Corporation), Dell R710 servers, Palo Alto PA-520 firewall, Cisco switches, EMC storage & backup

Andy Chun, CIO

20. CLP Holdings Limited

HONG KONG — Utilities

Project: Implementing a common and centrally hosted platform with live monitoring capabilities to improve the operational and strategic management of the fast growing renewables investment (wind and solar) in the CLP Group, supporting the complete lifecycle management of renewable projects from investment analysis, project development to plant operations and investment optimisation.

Key technologies/providers: Microsoft SharePoint 2010, HP servers & desktops, SpaceTimeInsight Space-Time Awareness Server, Apple iPads

Andre Blumberg, Director, IT

21. Companies Registry, HKSAR Government

HONG KONG — Government

Project: The Integrated Companies Registry Information System Phase 2 (ICRIS-2) Project, which includes the development of a 24-hour portal "e-Registry", to facilitate one-stop electronic service for company incorporation and business registration and electronic service for submission of specified forms reporting changes of company particulars under the Companies Ordinance.

Key technologies/providers: IBM Power servers, HP 9000 servers, Cisco Catalyst switches, HP Unix, IBM AIX/FileNet/ Tivoli, Oracle Database 9, 11g, WebLogic Server; Microsoft Server 2003/2008, JasperSoft, ImageMaker, Versitech

Louie Ng, Business Manager

22. Emirates NBD Bank PJSC

UAE — Financial services

Project: Integration of Dubai Bank and Emirates Islamic Bank, both part of Emirates NBD group, to synergise and create a larger, more stable institution with common vision and goals. Chiefly driven by IT, the project involved over 130 people across departments and was successfully managed within a shoestring budget.

Key technologies/providers: (N.A.)
Ali Sajwani, Chief Information Officer

23. Expert Systems Ltd.
CHINA — IT services
Project: This is a cloud-based solution to effect quick and easy cloud infrastructure demonstrations for customers, that will increase the organisation's opportunity to win new customers, and boost competitiveness by being able to deliver a comprehensive cloud solution that meets customers' requirements.
Key technologies/providers: HP CloudSystem, VMware ESXi 4.x, Microsoft Windows Server 2008 R2, Microsoft SQL Server 2008 R2, Linux
Joe K.T. Yeung, Manager, Professional Services

24. Food and Environmental Hygiene Department
HONG KONG — Government
Project: The Cemeteries and Crematoria Computer System (CCCS) developed by FEHD integrates the use of geographic information system (GIS), Short Message Service (SMS), Interactive Voice Response System (IVRS), Web, email and barcode information communication technologies to provide one-stop e-services to assist Hong Kong citizens to make after-death arrangements when a family member passes away.
Key technologies/providers: ArcGIS Server Advanced Enterprise Edition, ArcEditor; implementation by Esri China (Hong Kong) Ltd; Microsoft Windows Server, SQL Server, Visual Studio; Oracle Database Server; Red Hat JavaBeans and Enterprise Linux.
Chu Lan-ying, CIO

25. Foton Lovol International Heavy Industry Co., Ltd.
CHINA — Manufacturing
Project: In order to support its globalisation strategy and to maintain its industry leadership position, Foton Lovol set up R&D centres in Shandong, Tianjin , Japan and Europe. The facilities were in dire need of a unified global PLM platform to support its diverse product development process and share data.
Key technologies/providers: Siemens Teamcenter NX PLM, Oracle database, IBM database server and file server
Li Jinliang, CIO

26. Grid Communications Pte. Ltd.
SINGAPORE — Wireless communications
Project: This propject involves replacement of IT hardware and storage to improve performance and resilience through utilising virtualised servers, simplified infrastructure management, use of future-proof systems, and improved support for bulling and other business functions.
Key technologies/providers: HP Integrity and ProLiant server blades, 3PAR storage system, tape library, SAN switches; HP Virtual Connect, Data Protector, VMware, Microsoft Windows Server 2008
Choo Poh, IT Director

27. Guanghua School of Management
CHINA — Education
Project: This project involves consolidating, standardising, and sharing student and operational information across departments to ensure data accuracy and consistency; establishing a comprehensive student-relationship management system which focuses on student recruitment, educational administration processes, and student services; and integrating websites from different departments and ensuring they can support more concurrent users.
Key technologies/providers: PeopleSoft Campus Solutions Warehouse; PeopleSoft CRM for Higher Education; Oracle Webcenter Portal
Prof. Wang Mingjian, Head, Guanghua Information Team / Information Centre Director / Chief Project Inspector

28. HDFC Bank
INDIA — Financial services
Project: The Green Pin Project is one of HDFC Bank's innovative ways to Go Green – no more sending physical paper PIN mailers to customers for new cards or new PIN requests but direct and instant delivery of authorisation code to customer's registered mobile phone. The customer also experiences instant gratification as they can now instantly regenerate their PIN and select a new PIN at the ATM (post verification at the Call Centre or NetBanking), slashing the turnaround time for a new PIN request from three to four days to minutes.
Key technologies/providers: HP NonStop NB50000c servers; Guardian J series OS; Base24 v. 6; Webgate 5.2, SOA Suite 11.1.1.3. Integrator: ACI Worldwide Solutions Pvt. Ltd.
Anil Jaggia, CIO

29. Henan Mobile

CHINA — Telecommunications

Project: This project improves the overall security and defence capability of the business support network, reduces asset security risks, and improves management. Objectives include strengthening information sharing and transfer, and standardising security operations and inspections; creating effective security operation monitoring and network security asset configuration capabilities; and reducing the burden on security maintenance staff.

Key technologies/providers: HP ArcSight software; HP Security Consulting Services

Du Haifeng, Project Manager

30. Hisense Group

CHINA — Manufacturing

Project: Hisense was looking to maximise its productivity and operations following its acquisition of Kelon, one of the largest white goods manufacturers in China. It decided to implement Product Lifecycle Management into its design collaboration over multiple sites. Hisense hoped this implementation would not only streamline its design process with a newly acquired company, but also reduce operational costs from collaboration.

Key technologies/providers: Siemens Teamcenter PLM software; Siemens NX software

Wang Zhihao, CIO

31. Hong Kong Baptist University

HONG KONG — Education

Project: This project overhauls the university's storage infrastructure in order to gain significant new capabilities and agility to support the university's growth while reducing IT complexity and costs. With storage virtualisation solutions and professional services, the university built a robust storage architecture that simplifies the management of disparate, multi-vendor storage resources to achieve optimal IT efficiency and reliability. It also creates a powerful storage platform that can support the delivery of new private cloud services and drive future innovations.

Key technologies/providers: Hitachi Virtual Storage Platform, Hitachi Dynamic Tiering

Jennifer S.Y. Lau, Director of Information Technology

32. Hong Kong Efficiency Unit

HONG KONG — Government

Project: Implementing visual analytics tools for insights to meet its own goal of evolving local government to better serve its populace. The project allows the Unit to visually examine data on citizens' complaints, develop insights and find innovative solutions in collaboration with its partner agencies.

Key technologies/providers: SAS Visual Analytics

Yuk Wai-Fung, Assistant Director

33. Hong Kong Housing Authority

HONG KONG — Government

Project: The Customer Services Management System (CSMS) is designed for the support of property management services for rental public housing.

Key technologies/providers: Maple Touch touch-screen POS monitors; Genius G-Note Writing Pad; Star Thermal printers; MapleTouch touch-screen LCD monitors; Microsoft SQL Server, Windows Server 2008 software; system implementation services (all supplied by Fusion System Ltd.); Microsoft Hong Kong for consulting services.

Henry Chan, Senior IT Manager, Estate Management Division

34. Hong Kong Police Force

HONG KONG — Government

Project: The Personnel Information Communal System II is the decision-support human resources (HR) management system of the HKPF in providing end-to-end services from strategic planning to the HR needs of the individual police officers including succession and manpower planning, effective skills matching with policing requirements, and others like e-HR self-services.

Key technologies/providers: Oracle Database and Oracle Business Intelligence Suite; IBM Websphere app server; Azeus Personnel & Establishment System (PES), Symantec Backup; server and storage hardware; Encryption Manager, Load Balancer; infrastructure setup and implementation services; privacy impact assessment service; security risk assessment and audit services.

Peter Else, Assistant Commissioner of Police (Information Systems)

35. HRH Group of Hotels

INDIA — Hospitality

Project: To improve the quality of client information management for the entire salesforce, the internal IT team focused on developing a Web-based centralised eCRM and SFA (Sales force Automation) tool to provide the salesforce a platform for sales call planning, follow-up, monitoring and Key account management. The solution was entirely based on the process centralisation from initiating an appointment with the prospective client, having a sales call,

follow up of prospects generated, conversion and ongoing client relationship management. The reports generated by centralised dashboard based on the market research data added by the users is a big advantage having various projections for future planning.

Key technologies/providers: Cisco routers, Catalyst switches; Dell Optiflex servers; Microsoft Windows Server 2003 R2, Windows XP/7.

Vijay Choudhary, CIO

36. ICICI Securities Ltd.

INDIA — Financial services

Project: A rich Internet version popularly known as "Trade Racer Web" of its trading portal ICICI direct.com. This platform was developed using the Silverlight platform. The application allows the customer to trade in the equities market.

Key technologies/providers: Microsoft Silverlight and .NET software; Oracle Tuxedo middleware and database; IBM P-series AIX servers

Joydeep Dutta, Chief Technology Officer

37. Immigration & Checkpoints Authority

SINGAPORE — Government

Project: The electronic Appointment Booking System (e-Appointment) is a 24x7 online service that manages the appointment slots for all three Services Centres at the Immigration & Checkpoints Authority (ICA) office.

Key technologies/providers: J2EE platform from NCS Pte Ltd (system integrator)

Tan Sor Hoon, Director, Technology

38. Indonesia Stock Exchange (IDX)

INDONESIA — Financial services

Project: Implemented an IT system that could deliver superior performance, capacity, and security, in order to cope with the rapid growth of Indonesian capital market and the demanding development of its online trading system.

Key technologies/providers: Red Hat Enterprise Linux

Adikin Basirun, IT and Risk Management Director

39. Infocomm Development Authority of Singapore

SINGAPORE — Government

Project: IDA pioneered, in Singapore's public sector, this project integrates Business Capability Modelling to the organisation's strategic ICT planning as a quantifiable approach to determine business value of ICT, identify strategic priorities and achieve ICT-enabled business

transformation. This has potential for wider adoption and contributes to international thought leadership.

Key technologies/providers: ARIS IT Architect, IT Designer, Business Publisher and Mashzone — all from Software AG.

Chris Chau, CIO; **Nicholas Wee**, Chief Architect

40. Institute of Technical Education (ITE)

SINGAPORE — Education

Project: Development of ITE headquarters and College Central data centre and network infrastructure at the new premises at Ang Mo Kio.

Key technologies/providers: NCS Pte Ltd (system integrator); VMware, Cisco switches and routers; Citrix Zen Desktop; Avocent IP KVM and intelligent PDU; IBM Bladecenter; HP chassis and blades; F5 gateway; McAfee firewall; Juniper firewall; Bluecoat Transparent Proxy; APC UPS.

Lee Foo Wah, Divisional Director, IT Division

41. Integrated Health Information Systems/NHG Pharmacy

SINGAPORE — Healthcare

Project: The Multi-dose Medication Management system pre-packs all medicines a patient needs at a prescribed time into a single sachet. It dispenses patients' medication as a series of sachets organised by the date/ time for consumption. This significantly improves patient safety and care in nursing homes, at home, and beyond hospital walls.

Key technologies/providers:

Mark Winn, Director, Ancillary-Allied Health, Clinical Systems, IHIS

42. International SOS

SINGAPORE — Services

Project: Project Symphony is an integrated concierge CRM and service delivery platform, pioneered by International SOS enabling clients to fulfil their brand promise to their customers. Compliant with the highest industry standard for data security, the system manages customer records, case details and the ongoing delivery of premium concierge services globally.

Key technologies/providers: Astute Solutions, Inc. for ePowerCenter; Interactive Intelligence Group for Customer Interaction Center; Citrix XenApp; Microsoft SSRS; Hexaware Technologies for custom apps built on SOA and Web services based on Microsoft .NET platform using Microsoft SQL databasess; Fotrex Technologies for qualified security assessor for PCI-DSS.

Richard Davies, CIO

43. KGI Hong Kong Group

HONG KONG — Financial services Project: Deploying virtualisation technology to provide a flexible, robust infrastructure that delivers the required system avaiability, scalability and performance. It enables the organisation to bring new financial services products to market quickly to meet client demand and to maintain a competitive edge.
Key technologies/providers: VMware vSphere 5, vCenter Server and View; Lotus Notes, Microsoft SharePoint, K2 workflow system, and Enterprise Messaging System; HP BladeSystem with server blades; EMC and HP storage systems; Microsoft Windows Server 2003, Server 2003, and Microsoft Windows Server 2008.
Andrew Wu, IT Director

44. Khonburi Sugar Public Co. Ltd.

THAILAND — Manufacturing
Project: Establishing a centralised ERP system to integrate data about farmers, production, inventory, distribution, and financials, and better manage the sugar supply chain. Improving sugar cane production efficiency by collecting data that will help determine favourable farming conditions; establishing accurate and flexible financial reporting to meet regulatory obligations; and building a business intelligence repository to store information about operational activities and customers.
Key technologies/providers: JD Edwards EnterpriseOne Financials, Grower Management, Grower Pricing and Payments, EnterpriseOne Manufacturing, Sales Order Management and Inventory.
Issara Twiltermsup, Executive Director

45. L&T Infotech

INDIA — Services
Project: Implementation of application lifecycle management tools to enable the organisation to offer a competitive end-to-end test service. These tools support automated test cycles which reduce test times by up to 70 percent; cut "defect leakage" by half, and increase service efficiency through reduced test errors.
Key technologies/providers: HP Application Lifecycle Management; HP Quality Center 11; HP Unified Function Testing; HP Performance Center and Diagnostics.
Manoj Shikarkhane, Vice President and Global Head of Testing Service Line

46. Land Transport Authority, Singapore

SINGAPORE — Government
Project: Open Data@LTA – Co-Creating New Transport Information Services. Building on its extensive digital knowledge of land transport infrastructure, data has come alive where the innovative use of Web 2.0 technologies and dissemination of these data in DataMall@MyTransport.SG, a key data-sharing initiative, has brought LTA closer to the pulse of businesses, the community and the commuters.
Key technologies/providers: NCS as overall system integrator and strategic partner for DataMall project; Microsoft Singapore for Windows Azure, Azure Storage and SQL Azure; ESRI for GIS mapping software; Safe Software for FME Server; suite of Web management, analytical an monitoring tools supported by Oracle WebLogic server.
Rosina Howe-Teo, Group Director, Innovation & Infocomm

47. Leisure & Cultural Services Department, Hong Kong SAR Government

HONG KONG — Government
Project: To introduce a new Integrated Library System to provide the public with a sophisticated and user-orientated public library service. There are three phases: provide core library functions and backend support; introduce RFID in selected branch libraries; and provide new e-services.
Key technologies/providers: VTLS Inc. for virtual library system an Chamo; HP ProCurve switch, server blades, SAN switches; Symantec EndPoint protection; HP-UX 11i; Microsoft Windows Server 2008; Red Hat Linux; VMware; JBoss; Crystal Report server; 3M RFID series; Oracle 11g R2.
Boer Chan, CIO

48. Macau Polytechnic Institute

MACAU — Education
Project: Implementation of a private cloud to create a better research environment and improved learning outcomes for students. The project improved the scope, quality and timeliness of research activity; raised learning outcomes by providing students with servers on a one-on-one basis; and enhanced the institute's reputation as a regional leader in the use of information technology.
Key technologies/providers: HP ProLiant server blades; HP switches; HP CloudSystem Matrix; HP Storage Enterprise virtual array.
José Chan Fai Man, Head of Computer Service Centre

49. Manila Water Company, Inc.

PHILIPPINES — Utilities
Project: Customer Care and Billing System – Business Intelligence (CCBS BI) project is the third component of the CCBS project which gives focus on giving excellent service

for Manila Water customers as well as operational efficiency to the company. Manila Water Business Intelligence has intensive integration of diverse information that provided the company easy access in data analysis of specific operational and financial performances through self-service report generation.

Key technologies/providers: Primesoft for Microsoft Office, SharePoint 2010 and SQL reporting services; Equicom for IBM servers and XIV storage; First DataCorp for Microsoft Hyper-V virtualisatin platform.

Maurico "Mauch" D. Franco, Jr., CIO

50. Mansfield Manufacturing Co., Ltd.

HONG KONG — Manufacturing

Project: Improving the performance of mission-critical ERP business systems while maintaining enterprise-class server reliability and support. The initiative improved server speeds and allowed systems to be upgraded without disruptive downtime. It also provided the capacity for IT resources to be scaled up and down, depending on future business needs; reduced in month-end closing periods by two days; and increased speed of customer responses.

Key technologies/providers: HP ProLiant servers and Enterprise Virtual Arrays; HP tape libraries; Oracle JDE Enterprise Resource Planning; HP Services for system design, configuration and ongoing support.

K.K. Ong, Group IT Director

51. Mashreq Bank

UAE — Financial services

Project: As part of Mashreq's multi-country Core banking transformation initiative, the UAE implementation commenced in December 2011 and completed in November 2012. The project aimed to benefit 800,000 customers and 1500 users. 135 existing applications have been integrated and 40 replaced, through 200 member banks and vendor teams.

Key technologies/providers: Oracle Financial Software Services for core and Internet banking system implementation; Thinksoft Global Services for functional testing service; GBM for online middleware, IBM servers, AIX, Rational Clear Quest, IBM Broker and Websphere MQ products; Oracle 11g database and WebLogic app server; SAP Business Objects for business intelligence, HP Openview product for incident management.

Rajesh Kumar Bhaskaran, CIO

52. Maybank Berhad

MALAYSIA — Financial services

Project: Project inVISION delivers end-to-end Service Performance capabilities through the exploitation of cutting edge diagnostics and monitoring tools and the leveraging of subject matter expertise. This project provides total visibility of IT Services performance to enable effective incident response and minimise service degradation to ensure superior customer fulfilment and satisfaction.

Key technologies/providers: Compuware Gomez real user monitoring and Gomez Business Service Manager; ISA Technologies for consultation, implementation and support services; CSC for outsourcing and infrastructure implementation and managed services; HP ProLiant servers.

Tan Kok Meng, CIO

53. MBC Radio

SOUTH KOREA — Services

Project: Initiatives to ensure system stability, which is essential for seamless radio production and broadcasting; prevent lapses in broadcasting (defined as 10 seconds or more) for which advertisers can claim compensation; implement a system that can process and manage large voice files, which have increased in size due to changes in audio formats; and provide a quality broadcasting service to maintain high levels of listener satisfaction and achieve strong audience ratings.

Key technologies/providers: Oracle Database appliance and Database 11g Release 2.

Shin Yong-woo, Deputy General Manager & Project Manager, Engineering Department

54. Midland Holdings Limited

HONG KONG — Real estate

Project: Implementation of Private Cloud infrastructure to enable thin client architecture and Enterprise Mobility Service.

Key technologies/providers: Network Box for network monitoring and security; MTel for custom iOS and Android app development; Cisco IP phones.

Francis Fung, Chief Technology Officer

55. Ministry of Manpower, Occupational Safety and Health Division (OSHD)

SINGAPORE — Government

Project: SNAP@MOM is a strategic project to achieve a quantum leap towards high standards of Workplace Safety and Health (WSH) through industry ownership, crowd-

sourcing and active citizenry by offering a simple-to-use mobile application for all WSH stakeholders to flag out and resolve safety and health issues or sharing of best practices.

Key technologies/providers: Microsoft Windows Server 2003 R2; Microsoft SQL Server 2005 SE; Apple iOS and Android mobile OS; Furry Analytic statistical reporting; Government Web Services Exchange (GWSX).

Ang Mui Kim, CIO

56. Monsanto Holdings Pvt. Ltd.

INDIA — Manufacturing

Project: In line with Monsanto's commitment to help our customers get maximum yield from every seed, Mobile Farm Advisory Services (MFAS) was launched in 2010 (previously called Dr. DeKalb Farm Care), combining the strengths of mobile phone penetration and Monsanto's expertise in agriculture. An industry first, this platform offers unique, interactive and customised farm and crop management advisory services to help farmers produce more and enhance their crop profitability.

Key technologies/providers: IBM Daksh for call centre services; Infosys for rule engine software.

Sumeet Srivastava, Regional Lead - IT, India & APAC

57. Nanyang Technological University

SINGAPORE — Education

Project: NTU implemented Managed Print Services (MPS), involving managing hardcopy device fleets (copiers, printers, multifunction devices) in a unified fashion for all its 12 schools and 25 administrative departments in the campus. MPS aims to achieve 'Enhanced Efficiency' for improved user productivity and satisfaction, to support 'Go Green' for environmental sustainability, and to achieve 'Cost Saving' through proper management in device and paper usage.

Key technologies/providers: HP access control software; HP remote monitoring software; HP Web JetAdmin; HP ProLiant servers and multifunction printers; Microsoft Windows Server and SQL Server.

Tay Kheng Tiong, CIO

58. National Health Insurance Company — Daman

UAE — Financial services

Project: Migrating its enterprise content management platform to open source platform in order to increase efficiency, improve control of information, and reduce the overall cost of information management.

Key technologies/providers: Red Hat Enterprise Linux.

Ramzi Rahal, Director of IT

59. National Institute of Education (NIE)

SINGAPORE — Education

Projects: To build a green data centre that not only meets the Singapore Standards for Green Data Centre SS-564, but also provides efficiency in operational and energy in Data Centre services. NIE Mobile is an iOS and Android mobile application created for visitors, staff and students of NIE to keep abreast about the activities relating to the institute. The intuitive and user-friendly interface makes it easy for users to navigate and obtain the information that they need.

Key technologies/providers: Emerson airconditioning; GTec UPS; building automation system and environment monitoring system; security system; fire protection. Apple iPhone 5. OSX licences; Codigo interactive maps; PointStar for LibGo! mobile app development; JK Technology for Samsung smartphones; Sapura Synergy Singapore for Adobe CS 5.5 Master collection; Sun Japan for SunPark Carpark system.

Tan Hoon Chiang, CIO

60. National Library Board, Singapore

SINGAPORE — Government

Project: The Singapore Memory Project (SMP) is a national movement which aims to capture and document stories and memories of Singaporeans from all walks of life. SMP aims to fulfil that charter by collecting institutional memories from organisations as well as personal perspectives and stories from individuals whose first-hand accounts provide emotions and give life to Singapore's history. Together these individual stories weave the tapestry of the nation.

Key technologies/providers: Microsoft Windows Server, IIS, SQL Server; Alfresco content management system; Wowza video streaming; HP server hardware; XM Asia for creative design.

Lee Kee Siang, CIO/Director, Technology & Innovation

61. Orchard Grand Court

SINGAPORE — Hospitality

Project: Upgrading of wireless broadband access network for hotel guests. The project provides total network control from one central console, thereby reducing staff time and cost; enables password authentication to ensure user security; and ensure reliable Internet access from anywhere within the hotel premises.

Key technologies/providers: HP switches; HP PoE switches; HP wireless access points.

Mark Chng, IT Director

62. OSInet Communications Pte Ltd

SINGAPORE — Services

Project: Switching solution to reduce backend costs which in turn ensures improved pricing for customers; lower capex/opex; and competitive, robust and secure services to customers.

Key technologies/providers: HP switching solution: HP A12500 application, switch chassis, HP TippingPoint IPS

James Phoon, Director

63. P&G Manila Service Center (P&G International Operations SA-ROHQ)

PHILIPPINES — Manufacturing

Project: The AMP It Up project leveraged and repackaged existing and newly deployed employee solutions into one service. It utilised employee volunteers to run events which commercialised and deployed each solution, tailor-fit to individual needs, and ensured employees utilise these in driving more productivity to focus more on building the business.

Key technologies/providers: Microsoft Windows 7, Office 2007, 2010; Cisco WebEx; Box.Net; RSA SecurID/Digital Token; HP support service; BT for network partner/service; Jones Lang Lasalle for logistics and facilities support service.

Filippo Passerini, CIO

64. Pascorp Paper Industries Berhad

MALAYSIA — Manufacturing

Project: Implementation of a customised, end-to-end ERP platform to increase output and revenue. The fully integrated ERP platform spans across three sites, employs robust server technology to ensure high availability for mission-critical ERP application, and supports highly customised and simple to use software, thereby creating efficient workflow for a 24-hour operation.

Key technologies/providers: Custom ERP application; HP Integrity server; HP-UX 11i operating system; Prestige Atlantic Pmix/3 ERP app.

Shaliza Sabidin, Finance Manager

65. Peking University People's Hospital

CHINA — Healthcare

Project: Consolidating the hospital's ageing IT infrastructure, improving efficiency while maintaining security levels. The project incorporated multiple platforms and applications with no disruption to business. It lowered total cost of ownership and operating costs; enhanced operational efficiency of the data centre; simplified the management process; and optimised resource utilisation. It also enhanced the reliability and security of the data centre; achieved

data centralisation; and expanded the space for future data centre development — laying a good foundation for cloud computing.

Key technologies/providers: HP ProLiant DL980 server; HP 3PAR StoreServ F400 storage.

Liu Fan, IT Director

66. Perusahan Otomobil Nasional Sdn Bhd (PROTON)

MALAYSIA — Manufacturing

Project: COMPASS is the first end-to-end implementation of SAP IS-AUTO which integrates Automotive Sales and Manufacturing functions, through the integration of SAP Vehicle Management System and Advanced Planner & Optimizer in a single client instance. This integration provides end-to-end visibility and tracking of the vehicle pipeline, from Demand Planning to Sales.

Key technologies/providers: SAP ERP solution; Accenture for business process re-engineering and system implementation serivces; Microsoft Windows Server 200 R2, SQL Server 2008 R2, Northgate Arinso for business process re-engineering and system implementation services; HCL Axon ABAP development services; ForeFront Identity Manager; VMware ESX and SRM; NetApp FAS; Oracle Sun servers; Trend Micro Antivirus.

Mohamed Zuhri Mohamed Yusof, CIO

67. Plaza Indonesia Shopping Center

INDONESIA — Retail

Project: Enterprise open-source virtualisation solution to enable the company to be more agile by improving system recovery, business continuity and high availability.

Key technologies/providers: Red Hat Enterprise Linux; Web apps; Microsoft SQL; HP ProLiant server blade; Red Hat Enterprise Virtualization.
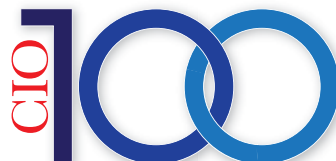
Elvin Triputra, IT Manager

68. Procter & Gamble, IT Development & Operations, Distributor Business Intelligence

PHILIPPINES — Manufacturing

Project: Real Time Distributor Connect aims to gather metrics from P&G's hundreds of global Distributors and turn them into KPIs and insights to drive company growth in the High Frequency Store channel. IT development for the global solution set was led out of the Manila Global Business Services Centre.

Key technologies/providers: Infosys Trade Edge; HP custom-built data warehouse

Ronnie Barretto, CIO

69. Procter & Gamble, Singapore

SINGAPORE — Manufacturing

Projects: Asia Real Time Distributor Connect (RTDC) is a service/solution to enable visibility to P&G Distributor Sales and Logistics teams of the Distributor business measures like Distributor Shipment, fill rates, Inventory, Distribution, Share, and Coverage. By having this data, P&G can make right decisions to grow its business. P&G Asia Video collaboration Project (VCS 2.0).

Key technologies/providers: P&G Global GBS partners

Lee Muiling

70. PT Aetra Air Jakarta

INDONESIA — Utilities

Project: Migrating to a single customer care and billing system to improve business processes and to better respond to customers' needs. The single sign-on process has helped to enable quick response to customers' inquiries and complaints. The new system's open interface allows integration of new applications and configurability to respond quickly to business opportunities and competitive challenges.

Key technologies/providers: Oracle Utilities Customer Care and Billing.

Ahmad Dimiati, IT Senior Manager

71. PT Infinys System Indonesia

INDONESIA — Services

Project: Building a reliable, scalable infrastructure to meet growing demands for cloud solutions from its customers. It saved on administration time through the use of self-service portal, cut electricity consumption, and boosted ROI of IT hardware while improving customer satisfaction.

Key technologies/providers: HP CloudSystem Matrix: ProLiant Blade system, server blades and server; HP Storage smart array' Microsoft Hyper-V, Windows Server 2008 R2, and System Center; HP Implementation Services.

Dondy Bappedynato, General Manager

72. Pulmuone Co., Ltd.

SOUTH KOREA — Manufactuing

Project: Implementing desktop virtualisation to enable strong security by centralising applications and data in the data centre, offering employees the flexibility to work from anywhere, at any time, using the device of their choice.

Key technologies/providers: Microsoft Office suite; Citrix XenDesktop; Citrix Receiver; Apple iPad2; Samsung Galaxy Tab devices.

Kim Dongsub, IT Service Team Manager

73. Republic Polytechnic, Singapore

SINGAPORE — Education Project: OASIS is the first comprehensive suite of student administration system that incorporates RP's unique education pedagogy of Problem-Based Learning and provides a consolidated, central repository of data for effective reporting and improvement in administrative productivity through integrating and streamlining its student administration functions.

Key technologies/providers: Accenture consulting: PeopleSoft campus solution; Accenture campus solution; Microsoft SharePoint and Excel; Microsoft Project SharePoint.

Neo Yong Chiang, CIO

74. Richmonde Hotels

PHILIPPINES — Hospitality

Project: Network performance enhancements to meet the needs of both staff and hotel guests. The project saved IT staff time by substantially reducing network problems, increased network performance and bandwidth, and simplified cabling for wireless access points with power over Ethernet capabilities.

Key technologies/providers: Oracle database; Micros Opera reservation system; Microsoft SQL Server; HP ProLiant servers; HP ProCurve switch with PoE.

Marl Anthony Kallos, Group IT Manager

75. Schenker Asia Pacific (Pte) Ltd

SINGAPORE — Logistics

Project: The inView application is an Internet platform for Suppliers, Manufacturers, Customers and Schenker users to view inventory balance, inventory movements (in&out) etc. regardless of physical warehouse location.

Key technologies/providers: Red Hat Enterprise Linux; IBM AIX; IBM HTTP Servers; IBM EDGE; IBM app server; Oracle 11g R2; IBM servers; consulting services.

Alex Tan, CIO

76. Shanghai Workers Mutual Association

CHINA — Government

Project: Establishing a robust server and storage platform that can manage, process, and analyse medical insurance programs, including 50 million reimbursement electronic forms and 100 million data records for more than seven million members; ensuring the server and storage platform can be easily upgraded and scaled to accommodate future membership growth and the introduction of new medical insurance programs; supporting the stable and continuous operation of business systems by optimising redundancy and

minimising failure incidents; and reducing the cost of hosting physical equipment in a dedicated computer room.
Key technologies/providers: Oracle SPARC Enterprise M8000 hardware platform; Pillar Axiom 600; Oracle Solaris OS; Oracle database.
Li Jiehua, Director, Computer Center

77. Sinarmas Land
INDONESIA — Real estate
Project: Implementing a complete digital document management solution for its BSD City project to improve productivity and customer service. It cut response times for document searches, leading to much quicker resolution of customer inquiries and better customer service; improved security for sensitive legal documents to meet government obligations; and decreased likelihood of documents becoming damaged or going missing.
Key technologies/providers: HP CMS; HP Color LaserJet MFPs and LaserJet MFPs; Hyland OnBase software; HP Managed Print Services.
Irvan Yasni, Chief of Information Technology, BSD City

78. Singapore Institute of Technology
SINGAPORE — Education
Project: Implementing an IT infrastructure that can scale in line with the institute's growth ambitions, support a distributed network of campus locations, and facilitate the management of students' desktops. Through virtualisation, it has been able to increase agility and maximise the return on existing infrastructure. It has also embarked on a plan to allow students to access learning resources from any device.
Key technologies/providers: VMware vSphere, vCenter Server, and View; Unisim process modelling software; Matlab technical computing software; AutoCAD architectural and engineering software; Adobe multimedia design and editing software; IBM servers and storage.
Huang Ee Choon, Director, Communications & Information Technology

79. Singapore Prison Service
SINGAPORE — Government
Project: The Complex Access Management System (CAMS) aims to serve as a centralised platform to manage the physical access to all the buildings within the Changi Prison Complex and track the location and movement details of personnel and vehicles within the complex.
Key technologies/providers: Oracle WebLogic; Microsoft SQL Server 2008; iDesign Plus card designer; Daon Enroll and Daon Engine middleware; IBM Tivoli Identity Manager System; IBM MQ Server.
Kuai Ser Leng, CIO

80. South China Normal University
CHINA — Education
Project: Open-source enterprise virtualisation platform to be able to optimise IT resources while building a cross-application and cross-platform teaching and learning system. The aim is to advance and accelerate its teaching and learning methods.
Key technologies/providers: Red Hat Enterprise Virtualization; JBoss Enterprise Web Server; Red Hat Linux Virtual Servers; HP blade servers.
Ye Huiwen, Director of Education Information Center

81. Spartan Engineering Industries Pvt. Ltd.
INDIA — Manufacturing
Project: Consolidating business-critical ERP information from two machinery manufacturing facilities and seven sales and services centres; replacing a legacy finance system that had reached its end-of-life and automate the manual recording of inventory, purchasing, and manufacturing data; managing sales and marketing information about more than 10,000 machinery products in an integrated system, rather than on disparate spreadsheets; ensuring ERP, sales, and customer data is consistent, to eliminate disagreements about which data source is the most accurate; and implementing international best practices for ERP and CRM processes.
Key technologies/providers: Oracle E-Business suite; Oracle inventory management; Oracle Purchasing, Financials, Discrete Manufacturing, TeleSales, Service Contracts and Field Service; Oracle Business Accelerators.
Kamran Moosa, Business Application Controls

82. Sripatum University
THAILAND — Education
Project: Building a reliable virtualised platform to deliver services via the cloud; impart a comprehensive disaster recovery capability; maximise automation and simplify manageability; and facilitate the deployment of numerous virtual servers.
Key technologies/providers: HP ProLiant server blades; EVA storage systems; Virtual Connect Flex-10 Ethernet modules; HP Matrix operating environment; Microsoft Windows OS; VMware vSphere.
Dr. Apiradee Amnuckmanee, Group Director of Technology Services

83. Standard Chartered Bank Malaysia Berhad

MALAYSIA — Financial services

Project: Standard Chartered Bank Malaysia's core-banking implementation project was synced with Standard Chartered Singapore's so as to leverage on the similarities in the way the two countries operate. Hence the name of the project came to be SIMCO (Singapore Malaysia Core Banking Project). This application is for SIMCO-Malaysia, which was completed in July 2012. SIMCO involves the replacement of the core banking system from the current Hogan system to "electronic Branch Banking System" or eBBS.

Key technologies/providers: Red Hat Enterprise Linux; Veritas Netbackup; IBM Websphere app server; Microsoft Windows Server 2003; IBM DB2 client.

Arif Siddiqui, CIO

84. State Government of Melaka

MALAYSIA — Government

Project: IT consolidation and virtualisation to overcome the challenge of information and systems in various silos. Also includes building a common data centre and a disaster recovery centre; creating operating environment and IT infrastructure standards; and introducing and evaluating effective management practices.

Key technologies/providers: Red Hat Enterprise Linux and Enterprise Virtualization.

Dr. Mohamed Sulaiman Sultan Suhaibuddeen, Head of ICT

85. STATSChipPAC Ltd

SINGAPORE — Manufacturing Project: The technology and operations transformation project aims at introducing best in class infrastructure management services across seven countries to achieve predictable cost savings and standardised operations for enhanced user experience. It includes rebadging of employees and transition from an in-sourced operating model to an SLA-based reward and penalty structure.

Key technologies/providers: Wipro managed services; Oracle Database 9i, 10g, 11g; HP UX; IBM AIX; Dell servers; CheckPoint firewall; EMC storage SAN; NetApp storage NAS; Microsoft server and client operating system; Sun Solaris OS; Red Hat Linux.

Dr. Justin Lim, Vice President & Chief Information Officer

86. Sumitomo Pharma (Suzhou) Co., Ltd.

CHINA — Manufacturing

Project: Integrating its existing IT systems to build a private cloud platform in order to support its corporate initiatives to have a reliable information architecture to support its expansion plans in research and development, pharmaceutics and packaging, as well as marketing network throughout the country.

Key technologies/providers: Hardware — Hitachi Unified Compute Platform (includes Hitachi Compute Blade 320 and Hitachi Unified Storage 110)

Hai Hong, Project Manager

87. Telekom Malaysia Berhad

MALAYSIA — Telecommunications

Project: Installation of a secure desktop infrastructure system for the Group Procurement Department of Telekom Malaysia. The system keeps confidential financial data secure by document encryption, restricting user access, limiting data transferability, and controlling the use of external memory devices — all with minimal investment in additional hardware.

Key technologies/providers: Vendors: Iconic Solutions and Safetica Technologies. Servers for DLP maintenance and database management; Safetica Endpoint Protection.

Giorgio Migliarina, CIO

88. The Essar Group

INDIA — Financial services

Project: Essar's Unified Communication strategy, which encompasses BYOD, supports the group in various domains such as Global value chains, mobile workforces, social networking, pervasive video, and information overload. To address these business complexities, UC functionalities at Essar connect people, information, and teams, helping to enable comprehensive and effective collaboration.

Key technologies/providers: Avaya, BlackBerry, Microsoft, Polycom, Shoretel, Splice.com, Juniper Networks, Cisco switches, SAP, Drona Mobile, HP.

Jayantha Prabhu, CTO

89. The Korea Exchange

SOUTH KOREA — Financial services

Project: Integrated information distribution system to improve management, operations and error response times; replaced systems to improve server expandability, stability, integration, capacity and performance; realised a world-class infrastructure through a next-generation information

distribution system; and established the basis for a leading information distribution service which focuses on consumers.
Key technologies/providers: HP Superdome2, storage solutions, smart arrays, tape libraries, ProLiant servers, Integrity servers; HP security assessment/solution.
Lee Su Kyung, Senior Manager, Market Data Distribution Development Task Force, Management Strategy Division

90. Trans Eurokars
SINGAPORE — Automotive retail
Project: Deploying and managing a private cloud environment, which is based on 10 virtual machines and four host machines, to be used as a disaster recovery platform as well as for storage for mobile users to back up and access files from the Internet.
Key technologies/providers: CA AppLogic cloud computing platform and CA ARCserve solutions for data protection.
Francis Lim, Group IT Manager

91. United Test and Assembly Center Ltd (UTAC)
SINGAPORE — Manufacturing
Project: Capitalise on Microsoft SharePoint Foundation 2010, Search Server 2010 Express and Single Sign-On with Active Directory Domain Services to provide a low cost, user friendly intranet portal solution. The Single Sign-On intranet portal enabled seamless communication, application access, document sharing, and team collaboration for multiple geographical locations worldwide.
Key technologies/providers: Microsoft SharePoint Foundation 2010; Search Server 2010 Express; SharePoint Designer 2010; Visual Studio 2010; SQL Server 2008 R2 Enterprise Edition; Active Directory Domain Services.
Ng Tiong Gee, CIO

92. Universiti Malaysia Perlis
MALAYSIA — Education Project: Implementing a collaboration suite that delivers rich collaboration to a diverse range of desktops in remote locations; reducing administrative costs and effort; and providing an open platform with integration capabilities. The solution has improved student productivity with campus-wide calendaring system, and increased mobility with access to the system using mobile devices.
Key technologies/providers: Zimbra Collaboration suite; Zimbra Web client; Zimbra Mobile for iPhone and Blackberry;

IBM Blade servers; Sun Fire for Mailstore; IBM System Storage; Cisco SAN switch; Barracuda external MTA.
Nasrudin Abdul Shukor, Director of ICT Centre

93. Universiti Teknologi MARA
MALAYSIA — Education
Project: Improving the performance of mission-critical applications while reducing maintenance costs through implementing reliable hardware infrastructure. The initiative also improved staff productivity by enabling them to fast track existing tasks and be deployed on other projects, and modernised and consolidated technology platforms to be ready for future demand growth.
Key technologies/providers: Financial accounting integrated system; IBM Informix database; HP Integrity Superdome servers; HP Enterprise Virtual Arrays. HP-UX; HP OpenView Storage Data Protector software.
Sariani Sarijo, Head of Financial System Division

94. University of Malaya
MALAYSIA — Education
Project: Upgrading of core network switches to enable fast, easy to manage network throughout the campus. The project enabled the university to remain competitive by supporting the demands of online e-learning content as well as research activities. It also provided the scalability required to cope with substantial increase in bandwidth demands from staff and students.
Key technologies/providers: HP core switches and access switches; HP Intelligent Management Centre.
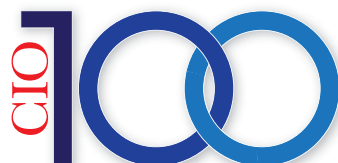**Dr. David Asirvatham**, Director, IT Centre

95. University of Malaya Specialist Centre
MALAYSIA — Healthcare
Project: Implementing a cost-effective, agile infrastructure to boost the performance and availability of hospital and clinical IT systems; providing ubiquitous access to mission-critical clinical information systems for clinicians using various devices around the hospital and campus.
Key technologies/providers: VMware vSphere, vCenter Server and View; Strateq Health Hospital Information System; Info finance app; SAS business intelligence; IBM servers and storage.
Leon Jackson, Head of IT

96. Urban Redevelopment Authority, Singapore

SINGAPORE — Government

Project: The ePlanner System — a one stop, enterprise, multi-platform, geospatial urban planning analytical portal. This enterprise geospatial portal system integrates various 2D/3D geospatial, planning, real time data to enable advance spatial visualisation and complex data analytics to enable business decision, knowledge sharing and mobile workplace. This innovative system used by the entire organisation is among the first planning authority in the world to make use of latest geospatial analytic (ESRI 10.1) and Internet/ mobile (HTML5) technology to enable urban planning analysis in multiple desktop/ tablet platforms.

Key technologies/providers: ESRI Singapore Pte Ltd, Unified Technologies Pte Ltd, Google Inc. ArcGIS server and desktop; ESRI spatial visualisation and analytics; Oracle Weblogic app server.

Peter Quek Ser Hwee, CIO

97. Workplace Safety and Health Institute, Ministry of Manpower

SINGAPORE — Government

Project: ergo@work, a free mobile application for iOS and Android smartphones and tablets, raises awareness of good postures and ergonomics. It is an interactive, fun and easy-to-use tool for public and workplace safety and health professionals to identify unsafe postures, and monitor corrective actions recommended to prevent aches and pain from wrong postures.
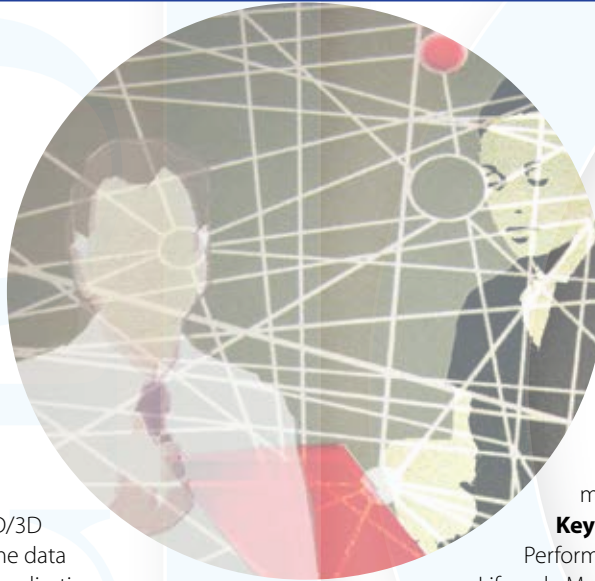
Key technologies/providers: MindWave Solutions Pte Ltd: Android SDK, Windows XP; Eclipse; Intel workstations; Apple iOS app development, OS and hardware.

Ang Mui Kim, CIO

98. Wuxi Software Testing Centre

CHINA — Services

Project: Providing a technical inspection platform by offering high-quality, low-cost software testing services. The platform is targeted at all enterprise applications requiring testing, comprehensive and standardised, automated functional and performance tests that can be run before formal launch, enabling applications to meet the business needs of each enterprise, reducing risk and investment, helping enterprises improve their management level and product quality and increasing market competitiveness.

Key technologies/providers: HP Performance Center; HP Application Lifecycle Management (ALM); HP Quality Center.

Gu Dongming, Director, Assessment Centre, Wuxi Software Testing Centre

99. Zoomlion Heavy Industry Science & Technology Development Co., Ltd.

CHINA — Manufacturing

Project: One of the first leading enterprises in the Chinese equipment manufacturing industry to adopt Siemens PLM Software's Teamcenter solution as its basic Product Lifecycle Management solution to fully support global business collaboration of design, processing and after-sales service.

Key technologies/providers: Siemens Teamcenter NX, SAP Hana/CRM, IBM DB2 database and AIX operating platform.

Wang Yukun, CIO

100. ZTE Telecom India Pvt. Ltd.

INDIA — Manufacturing

Project: Deployed Private Multi-Tenant Cloud for 6-clients with RAS Server to Deliver Managed Services in Secured Environment (IP-SEC & RAS Server) with each Remote Support Operations Activities & Device Logs Recording. This solution provided 'Cost Effective', 'Unified' and 'Secured' Managed Services (With Remote Access Support Servers Activities & Screen recording & various devices & Applications Textual Log recording). Remote Services were supported by New Handheld 4G Dongles leveraging Next Generations (4G) Networks.

Key technologies/providers: IBM servers; Microsoft Windows Server 2008, SQL Server 208; Cisco routers; Cisco Nexus VXLAN; VMware vCloud suite and vSphere suite; Citrix storage virtualisation; ZTE devices; Fortinet FortiGate Firewall

Pradeep Kumar Yadav, CIO