



VHBuild™

Technical Paper

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Section 1 Executive Summary

VHBuild.com™ is web-based project management and monitoring for their construction projects, and electronic document management system to store, manage and automate the circulation of correspondences, drawings, images and even video clips.

The web-based project management system can provide real-time project information delivery, seamless team communication, reporting tasks automation and proactive project monitoring. Whereas an electronic document management system is required for centralized document sharing and distribution through the Internet.

VHBuild.com™ is the leading construction-specific project-hosting platform in the region. VHBuild.com™ is highly industry-specific, tailor-made for local practices and provides end-to-end solution to all stages of the construction process, namely, from design through procurement and construction to maintenance. It is a centralized platform for document sharing, viewing and distributing. All project files, including correspondence, drawings, photos, etc. can be accessed through VHBuild.com™ anytime and anywhere. Also, system offers an Internet platform for project information updates, such as project summary information, latest photos, etc. The solution has tool for project programme planning, and facilities to upload and display programme files. Reporting facilities such as project-tracking module for report forms filling, daily reports, inspection, and safety reports, etc. will add further control to daily operation. In addition, value-added services for better project monitoring, like web-cam system and RSA and VHBuild security solutions. Continuous enhancement will be added to the system in the near future, maintenance module, wireless and handheld devices integration, etc. And once subscribed to be our member, all of these future advancements will be offered for free!

VHBuild.com™ is built on the most secured and sophisticated IT infrastructure, which provides **clear data ownership, access security, full IT system redundancy and high availability with almost no down-time**. System provider provides our customers with **the best support we can deliver**, through our helpdesk and technical support engineers. The multicultural background of technical team delivers solutions and support on both the construction and IT aspects. Rooted in Hong Kong and China, local customers can gain faster bandwidth accessing VHBuild.com™ than any other project hosting sites in the world. Customers can even setup leased line that connects directly to VHBuild.com™ servers in order to gain the highest access speed.

VHBuild.com™ is the advance and sophisticated web-based project-hosting platform designed specifically for the construction industry. For more details about the features and benefits, security system and data collocation, please refer to further and revise as below.



Section 2 General introduction of system

Online project management system **VHBuild™** (www.vhbuild.com) is able to facilitate the communication and collaboration of all distributed project teams for the head office and branches.

The followings are the summarized specifications of Online Project Management System :

1. Feature & Administration

- Document (with multi file format support) and drawing (with redlining capability and Chinese Character browsing support) management must comply to customized company based folder base and file maintenance
- Selective user distribution for internal or outgoing file circulation and electronics forms with tracking and alarm mechanism
- Detail technical requirement of Web cam installation must be complied
- Two distinguished layers of administration for Corporate Administrators and Individual administrators with self account administration and user authorization
- Individual file activity log and comprehensive audit trail must available for project and account monitoring purpose

2. IT Infrastructure, System Security and Authentication Security for Account Administrator

- Project information confidentiality and ownership for each company project information database must be complied without external project partners having access to that information.
- The service provider / outsourced data centre storage provider must comply with Information Security Standard ISO27001 Part I
- All servers maintaining project information must be located in Hong Kong, S.A.R. China with high availability infrastructure
- Detail technical requirement of data centre must be complied
- Two layers of firewall protection minimum utilizing two separate firewall brands
- Provide protection against hacking, virus infection, and external intrusion using Intrusion Detection System
- Two mandatory authentication layers of unique login username and password for each user along with a third authentication layer such as security token
- 10MB High speed Internet connection
- Keep two weeks data backup in format of tape, CD archiving requested by customer is optional



3. Service

- Strong support and training must be provided for system implementation.
- Service Trainer with relevant industry and implementation experience must be provided in supporting the service.

4. System Requirements

- Microsoft® Windows® 98/2000 and XP
- Intel Pentium® 166 processor or higher
- 128MB RAM or above
- Internet Explorer 5.5 or higher



Section 3 Solutions - VHBuild™

3.1 Introduction

In view of the requirements identified in the previous section, VHBuild™ (www.vhbuild.com) is recommended as the major project communication and collaboration channel focusing on the circulation and sharing of general project information.

In the following sections, we will describe how the solution can fulfill your needs.

3.2 VHBuild™ – Online Project Management System

VHBuild™ provides end-to-end solutions for all stages of the whole construction process, from ***design, through procurement and construction management to maintenance.***

VHBuild™ is highly industry-specific and tailor-made for all stages of the whole construction process. It can fulfill all the identified requirements as follows:

1. Feature & Administration

- VHBuild™ is an Internet based platform enabling efficient ***real time*** construction *project management around the clock*. All project information, including correspondence, drawings, photos, electronic forms can be accessed at *anytime* from *anywhere*. It effortlessly connects dispersed project teams across the globe.
- A module to build and edit **Organization Charts** online is available. As your project team changes, the organization members within your own or other party's can be edited accordingly. Hyperlinks to contact **phone numbers and e-mail addresses** of team members are contained within the chart.
- **Folder and Sub-folder permission** setting provides higher flexibility for administrator to assign the access rights for each user to log in individual folder of VHBuild™, where the documents and drawings are stored. Permission rights of users can also be defined by the Administrator, according to their positions.
- Users of VHBuild™ can forward file to other recipients via email. Hence non-VHBuild users are able to receive correspondence through the system. With the new feature **Project Email**, users can now handle all incoming emails as well, whether the sender is a VHBuild™ user or not.



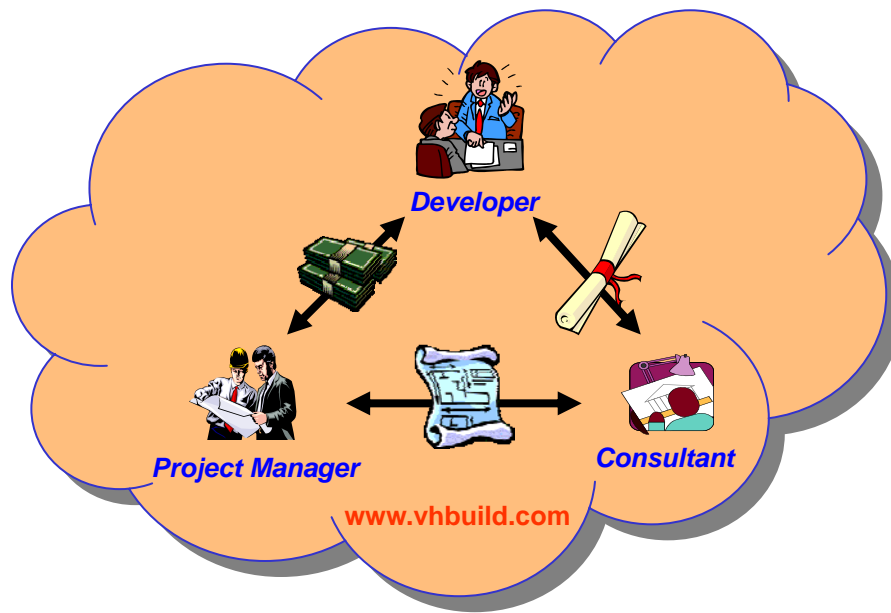
- VHBuild™ supports **numerous native file formats**, including popular formats for CAD (DWG, DGN, DXF.), MSOffice (DOC, XLS.), image or photos (JPG, GIF, TIFF, BMP.), document (PDF, TXT, RTF.) and MSProject (MPP) plus many more.
- Not only **Bilingual Interface** in VHBuild™, all data input to the platform can be performed in **English, Traditional or Simplified Chinese**.
- VHBuild™ also supports both English and Chinese text display in any document or electronic form. **A CAD browser allows Chinese characters to be viewed and translation between Simplified and Traditional character sets**. Users are also able to attach remarks and notes on drawing files in Chinese and English text for collaboration.
- VHBuild™ provides **customized templates** for project team to specify the project details such as project team practitioners details or project status in Project Summary that allow the users can update the project details at Anytime and Anyplace.
- VHBuild™ allows users to post electronic files from their PC or download the relevant files from the platform **in batch** within one simple operation using our **self developed multiple file upload** function. The function allows users to select limitless number of files, reference them and then monitor status of batch transmission until completion. Furthermore, users can also forward existing files in batch along with being able to email numerous existing files at once.
- VHBuild™ provides standard form templates for data capture, retrieval and analysis including **Daily Reports**, Request for Information (**RFI**) Non Conformance Reports (**NCR**) and Inspection Records. All templates are provided in Simplified Chinese and English and allow for a high degree of user customization.
- Comprehensive **circulation log** give a clear picture for users to check the circulation status and history among parties in the project, providing traceability for message communication embedded in the documents circulation. Circulation log and Request for Information (**RFI**) can establish Question and Answer (Q&A) platform for project team members to communicate efficiently.
- The programme module is used to display the ongoing programme of activities for the project and their current status to facilitate easy project progress monitoring and planning. System also provides a proprietary viewer for displaying **MS Project™** programme files, so that it can be shared among project team members. A simple upload / download feature will allow the users to upload files in their existing formats to display the up-to-date programme across the project environment.



- **Multiple web-cams (Optional)** can be accessed and controlled remotely in a single interface without software installed on the local machine. Using an intuitive interface, users are able to access multiple web-cams in different locations with pan, tilt and zoom control functionality. Also, snapshots or video clips can be captured by the web-cams and archived in a central database in an easily searchable manner.
- Administrator can insert **customized Homepage, Company banner and logo** of a company of the company or project in all pages of VHBuild™, which is unique feature of the project.
- Administrator can define the folder structure (information filing system) of the project team. VHBuild™ provides **platform flexibility** for the administrator to choose 'Common Share Platform' or 'Account Based Platform' within the system.

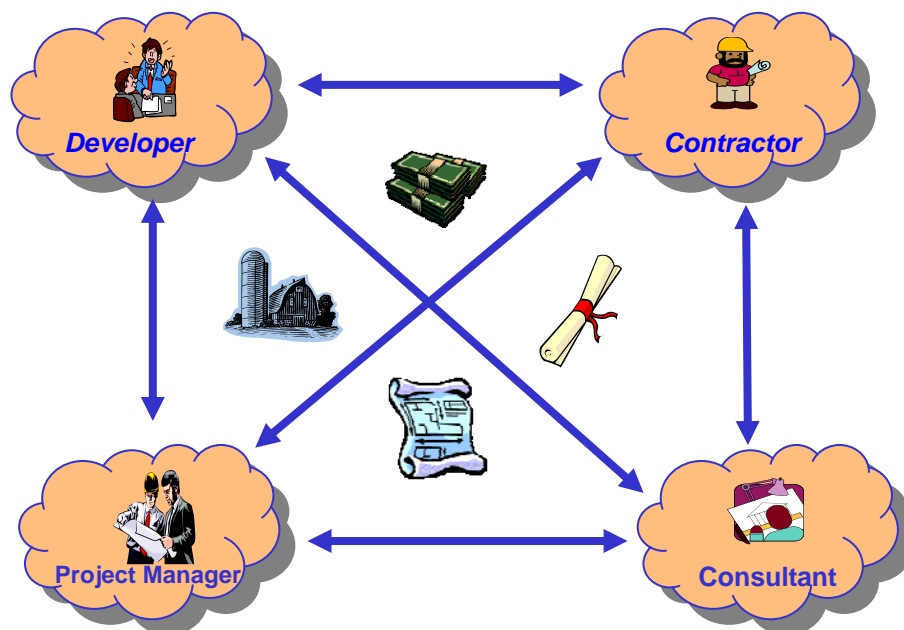


(1) Common Share Platform



All parties are under the same file folder structure within one account

(2) Account Based Platform



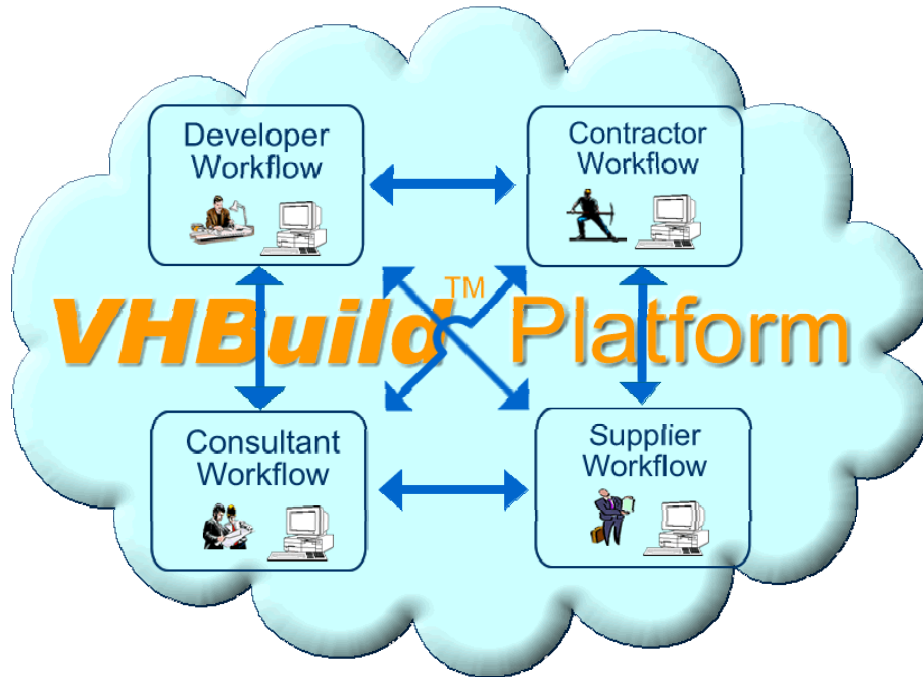
Different party has own file folder structure in different account



2. IT Infrastructure, System Security and Authentication Security

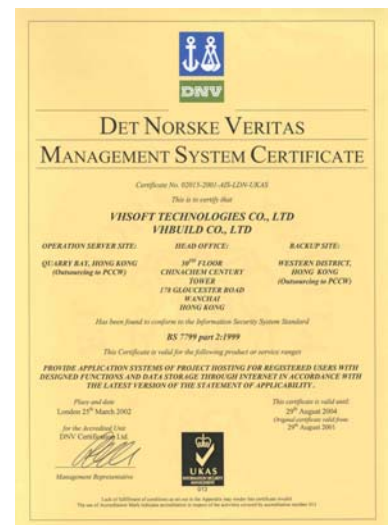
• **Separate Data Account and Selective Distribution Model**

VHBuild™ is designed upon a unique, patent pending model which allows each company to establish and maintain their own internal workplaces (**Internal Circulation**) for each project. These workplaces can then be linked with other companies' workplaces to facilitate **multi-company project collaboration** but without compromising them in terms of **administration, confidentiality and data ownership**. In short, each company maintains control over their own set of information along with who can see what information.



• All project data and files are hosted at a third party data center, which deploys world class, round the clock security monitoring as described above.

• **ISO27001 Certification** – VHBuild™ is the first construction Application Services Provider (ASP) in Asia to achieve ISO27001 certification, in August 2001. ISO27001 is a code of best practice relating to the development, implementation and maintenance of an Information Security Management System (ISMS) relating to every aspect of a business operation; people, process, technology, service. In simple words, all client information is managed in a secure, confidential manner based upon acknowledged benchmarks. (Full copy of ISO27001 certificate please refer to Appendix 5)



- VHBuild™ employs the sophisticated, fully redundant infrastructure providing 24x7 high availability access along with a fully mirrored back up facility with Business Continuity initiatives in place.
- The Data Center will provide round the clock security monitoring and intrusion systems, UPS, state-of-the-art fire protection, motion detectors, event monitoring, high availability technology and resumption planning processes. All servers hosted in data center are equipped with locks on co-location spaces and security alarms, reliable off-site data back up facilities for additional protection and rapid disaster recovery that resume the full function within two hours of system failure.



- Strict authentication methods are deployed to allow authorised access only to the platform. VHBUILD™ employs Token Authentication for user login, provided by **RSA Security Inc.**, the leading authentication technology developed by the world's most reputable security solutions vendor, to provide a **server-synchronized password** for three layer authentication.



- All authentication information is transmitted using SSL (Secure Socket Layer) encryption technology. This prevents any unauthorized capture of critical login information during the transmission from users PC to VHBuild™ 's secured network.
- Individual user access permission can be customized for each project by designated project administrators. Furthermore standard permission templates can be created for commonly employed permission profiles.
- **Perimeter Defense at Network Level Security** - VHBuild™ deploys state of the art firewall technology to protect the system network against external threats. Moreover, VHBuild™ firewall security policies are tailor-made to ensure a high degree of security by blocking malicious Internet traffic. In addition, **our firewall arrangement is multi-tiered with different brand name for different layers** and designed to possess full redundancy.
- **Real-Time Monitoring** - Pro-active measuring tools are used to monitor and audit the security level of the server center. VHBuild™ deploys **Intrusion Detection System (IDS)** for continuous auditing of the system and network security level provides an additional security layer across the host application environment. Specifically, VHBuild™ will provide automated 24x7 real-time monitoring and detection of internal and external attacks.
- **Application Level Security Enabling** - VHBuild™ fixes and minimizes all the security holes with a strict control system. The control system includes continuous event logging and real-time notification of abnormal activities, applying necessary security patches, removing unnecessary remote access programs and using proper user password scheme.
- **Anti-virus Control** - All files transferred are scanned using our powerful Anti-virus Control Engines, to ensure no virus can penetrate the network. The virus list is kept updated from time to time to ensure that even the latest viruses cannot be harmful to us.
- **On-going Security Management and Monitoring** - on a regular basis, a reputable third-party consultant audits all network components. All access control rules are also audited to locate known vulnerabilities such as mis-configurations, policy errors or unpatched bugs, so as to minimize security weaknesses as an ongoing interest.



3. Services provided by system provider

- All consultants at system provider (VHSoft Technologies Ltd.) possess strong construction industry knowledge and expertise coupled with solid system implementation experience. They are able to guide and advise each company on their best approach to implement the system as well as helping to address cultural issue specific to construction industry.

- VHBuild™ and its source code are wholly owned and developed by VHSoft in Hong Kong. Therefore, we are very flexible in addressing specific reasonable requests from participant companies in swift manner. Furthermore, due to our extensive construction experience, we are able to understand and quickly interpret users needs into platform functionality.

- Services support (Optional) –
 - Implementation consultancy and planning
 - Application training and support services
 - Workflow recommendation
 - Comprehensive product handbook
 - Consultancy services on hardware and software solution

4. Value-added Services

- **DVD-ROM Archiving (Optional)** - Project data is a critical asset for any companies in any projects. VHBuild™ allows each company to maintain their own set of project data. Subscribers have the option to archive their project data in its native formats onto DVD-ROM at anytime during the course of the project.

Remarks

Please refer to the Appendix 1, 2 and 3 for the above information regarding the general features and benefits, information security management and data centre facilities.



Appendix 1 - Features and Benefits White Paper

Easy Account Setup and Secured Administration

Account Setup

Organizations need only set up a single corporate account under which any number of projects can be hosted at the same time. Unique project sites can be created easily and quickly online.

Project Security

Upon setting up a project site, user access and permission level can be allocated by the designated project administrator. Usernames and passwords are allocated at user end with no access available by VHSoft. The administrator can customize permission level for individual user purposes.

Token Authentication Technology

Token Authentication for user login (By **RSA Security Inc.**)- the foremost technology developed by the world's reputable security solutions vendor, to provide a **server-synchronized password** for the most secure authentication.



Latest Information Acknowledgement

What's' New Information

“What's New” is a quick and simple method for users to ensure that they have not missed any vital information being uploaded to the site whilst both online and offline. The program tracks times of subsequent log-ins and extracts all information added or modified during that interim. Each piece of documentation is summarized in a tabular format with description and hyperlink, for rapid sourcing and access.

Email notifications

Use your existing email account to receive constant updates on your personal VHBuild account new information. Define the frequency and scope of the notifications, which will inform you exactly what you have received and take you directly to the information, via login.

Updated Project Information

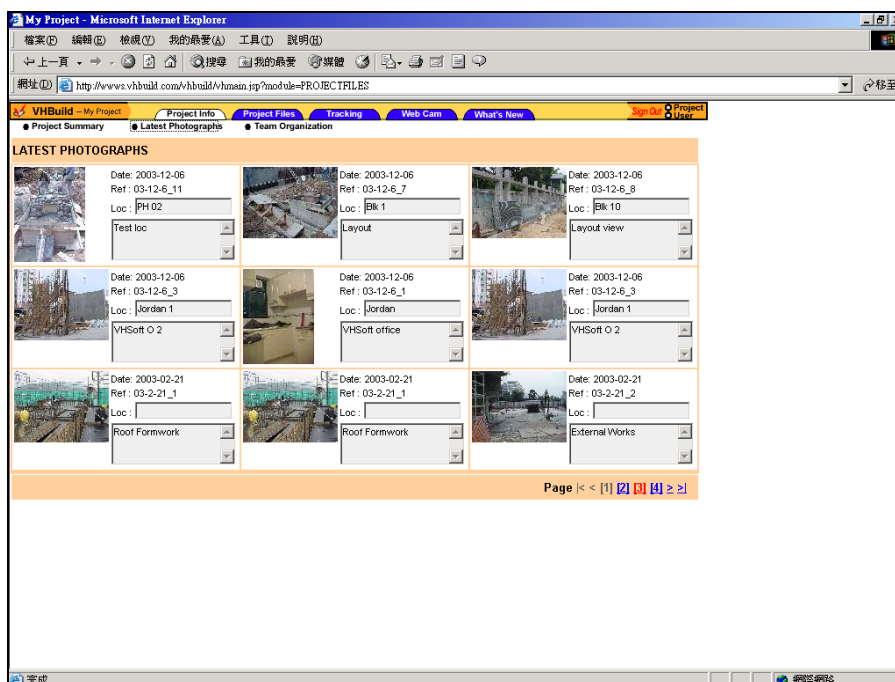
Project Summary

The Project Information module summarizes the basic information with regards to the selected project. Project name, location, type, cost, completion date, etc... and an overview of project progress are available on a single page introduction summary. Basic static data, namely project name, location, type and contract sum will be inputted when adding a new project. The figures for completion date and time and cost progress statistics are dynamic figures that are initially editable, and subsequently will be updated as the figures vary throughout the duration of the project. It also provides 50 customized fields for user who has special request for project details shown in Project Summary.

As a value added service, clients will be able to establish their own public access project web page detailing all project information as above along with listing each party involved with the project and hyperlinks to that party's home page.

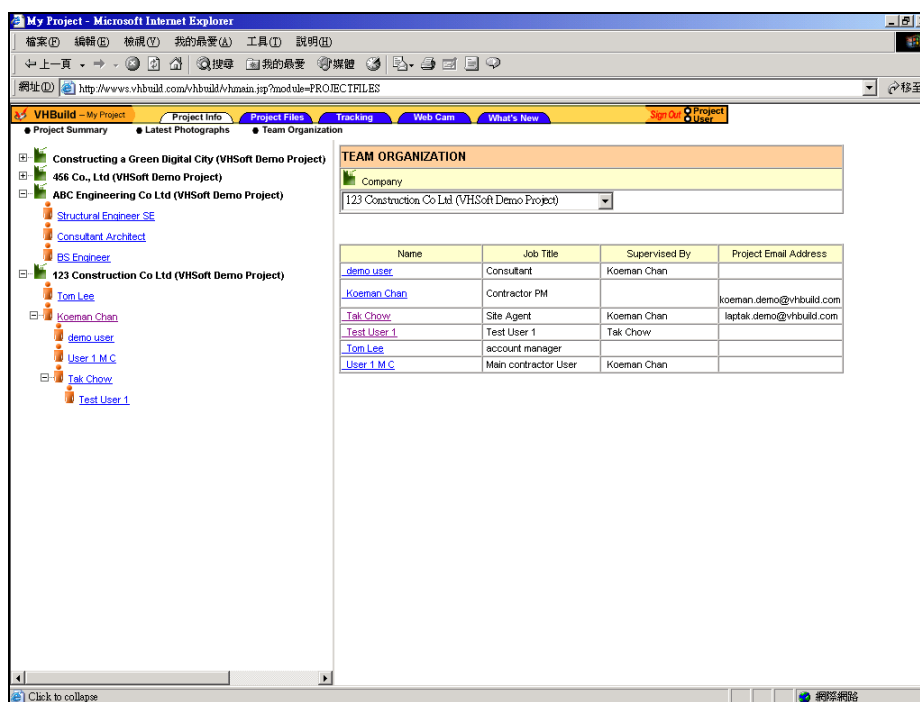
Latest Photographs

Users who want a quick and easy picture of the site without having to enter and source from the photo library can view and browse through the latest photographs from the site for an overview of the latest situation. Unique attributes such as date, location, description and individual reference number are displayed for easy referencing.



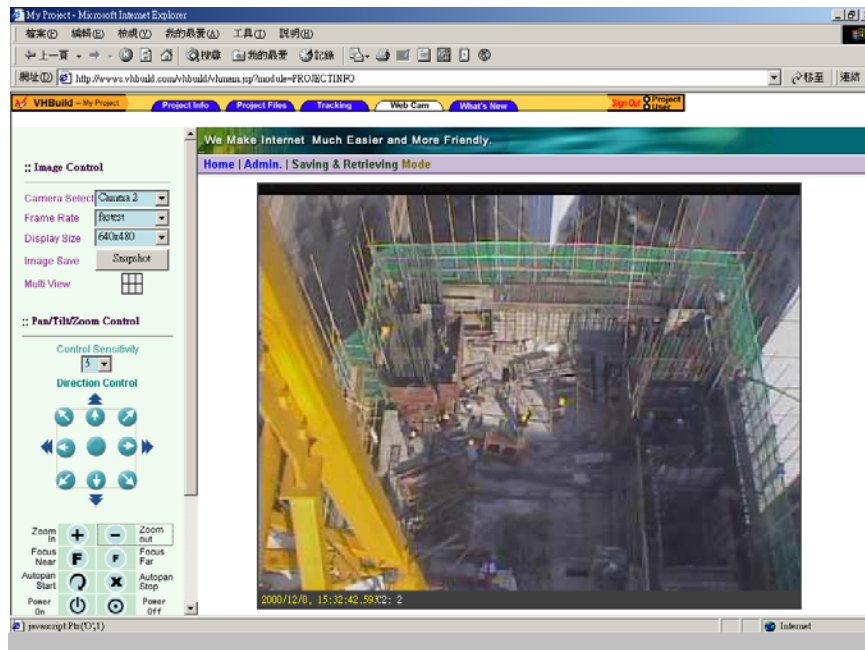
Team Organization Chart

A module to build and edit organization charts online will be available. As your project team changes, the organization members within your own or other party's' can be edited accordingly. Hyperlinks to contact phone numbers and e-mail addresses of team members are contained within the chart.



Web-cam Monitor

This module allows the users to real-time access, through the Internet, cameras setup on construction sites or any premises assigned by the clients. Multiple web-cams can be accessed and controlled remotely in a single interface without software installed on the local machine. Also, video clips can be captured by the web-cams and archived in a central database in an easily searchable manner. The configuration should be Port 80 or 81.



Online Project Tracking

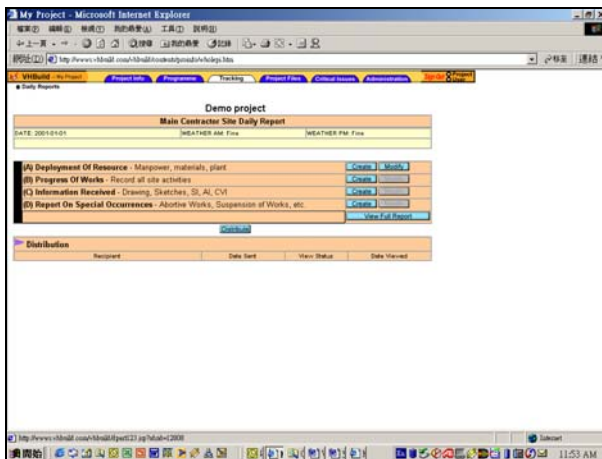
Overview

The Project Tracking module is required as an information source for users to collate, access and monitor reference data related to the daily works progress and site activities. Daily reports act as a vital record of summary of the project and are an invaluable tool during the post-contract claims resolution process. The module is designed to prompt the generation of various **E-forms**. Once collated, all data is summarized on a standard report form pro-forma. The E-forms currently available includes:

- Daily Reports
- Request For Information (RFI)
- Non Conformance Report (NCR)

More useful E-forms will be available in future development

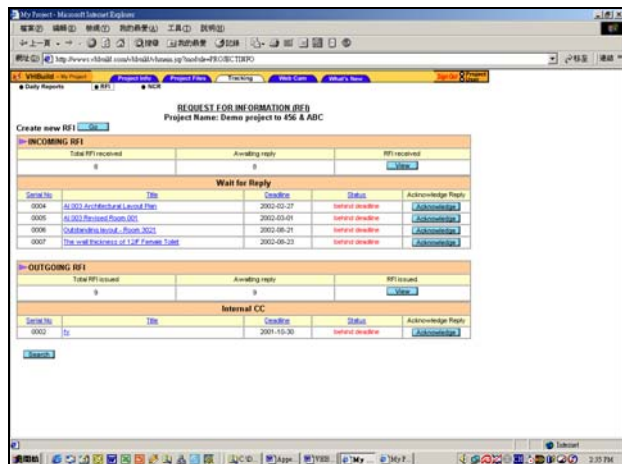
- Inspection Forms
- Submission Forms
- Confirmation of Verbal Instruction Forms (CVI)
- Safety Forms



Demo project
Main Contractor Site Daily Report
 DATE: 2002-01-01 WEATHER AM: Fine WEATHER PM: Fine

(A) Deployment Of Resource - Manpower, material, plant
 (B) Progress Of Works - Record all site activities
 (C) Information Received - Drawing, Sketches, SI, AI, CVI
 (D) Report On Special Occurrences - Abnormal Works, Suspension of Works, etc.

Distribution



REQUEST FOR INFORMATION (RFI)
 Project Name: Demo project to 456 & ABC

INCOMING RFI

Serial No.	Title	Deadline	Status	Acknowledge Reply
0006	AI 2002 Architectural Layout Plan	2002-02-27	Internal deadline	[Acknowledge]
0005	AI 2002 Revised Floor Plan	2002-03-01	Internal deadline	[Acknowledge]
0006	Outstanding Work - Room 2002	2002-08-21	Internal deadline	[Acknowledge]
0007	The wall thickness of 1/F Corridor Shaft	2002-08-23	Internal deadline	[Acknowledge]

OUTGOING RFI

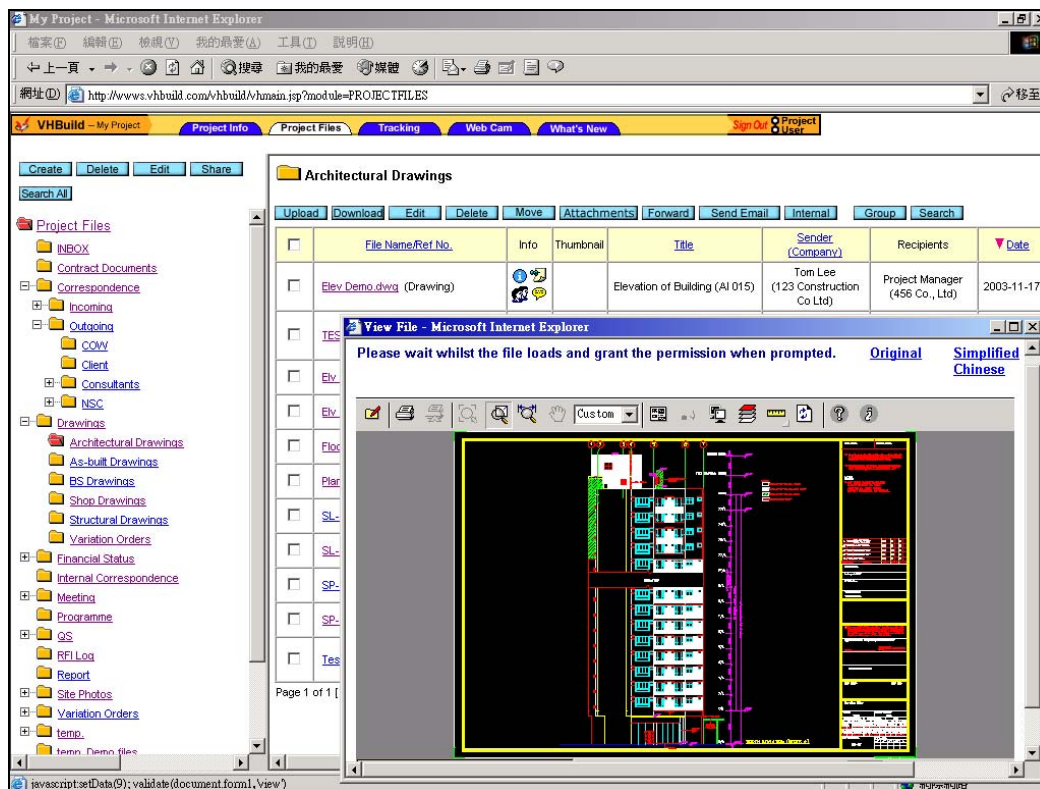
Serial No.	Title	Deadline	Status	Acknowledge Reply
0002	Is	2001-10-30	Internal deadline	[Acknowledge]

Customization

Standard e-form templates will be set up relating to different work types such as building, civil, highways etc. Within each form there is a high degree of user customization allowing daily reports to be tailor made for each project with flexibility to define work areas, specific activities and templates for phases of works.

Online Document and Drawing Management Overview

The project files module allows you to store all project documents and communications, with the ultimate goal of centralizing all project **drawings, correspondence, photos and programs**, which amount to thousands on most projects, creating the “paperless office”. The project files are categorized and indexed so that users can search and retrieve project data anytime and anywhere during the project period.

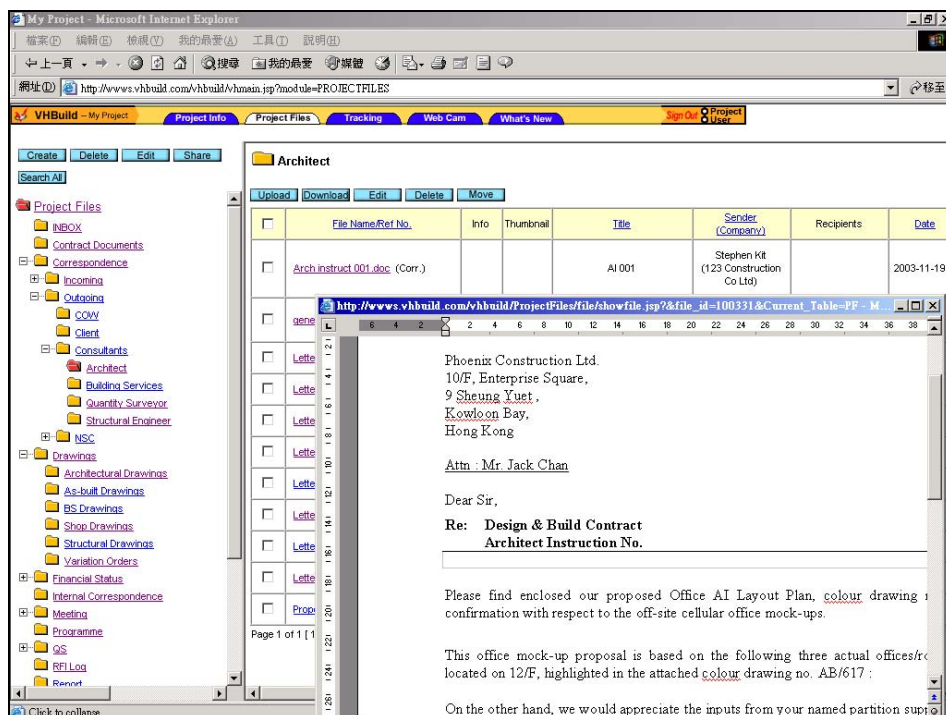


Drawings

The contract drawings will be managed by incorporating the **VHDrawings™** management technology, allowing intelligent searching, pattern recognition, compression and fast retrieval of drawing files. Within the project-hosting module, drawings can be retrieved for viewing and reference purposes only, along with **mark-up and redlining** capabilities. A CAD browser allows **Chinese characters to be viewed and translated between Simplified and Traditional character sets**. Users are also able to attach remarks and notes on drawing files in Chinese and English text for collaboration. Editing of drawings is performed offline on standard CAD platforms. By centralizing all drawings, all interested parties can gain access to the latest revisions sound in the knowledge that the information is up-to-date. **VHBuild.com™** is compatible for browsing DWG, DGN and DXF file formats.

Correspondence

Letter, site memo, minutes of meetings, contract documents etc. can be archived in the user defined directory structure. All standard document file formats such as MSOffice (DOC, XLS.), image (JPG, GIF, TIFF, BMP.) and document (PDF, TXT, RTF.) can be easily uploaded using the file upload feature or batch files upload from the MultiFile Upload program with no conversion for web enabling required by the end user. Keyword searches can be performed for all documents contained within a suite of document management functions are available to empower the users with a high degree of document management capabilities.



Multi-files Upload and Download

Users can post electronic files from their PC or download the relevant files from the platform in batch within one simple operation using our self developed multiple file upload function. The function allows users to select limitless number of files, reference them and then monitor status of batch transmission until completion. Furthermore, users can also forward existing files in batch along with being able to email numerous existing files at once.

Internal Circulation and External Distribution

Documents can be circulated internally by attaching circulation messages and reply deadlines allowing messages to be routed and tracked amongst an organization for enhanced internal communication and collaboration.

Files and reports can be selectively distributed amongst the project participants and routed to ensure the fast delivery of information to the appropriate party. Reply deadlines can be assigned to documents to prompt the recipient should the deadline expire.

File Activity Logs

Each file produces an activity log to provide a degree of accountability for all users. Any action performed such as view, download, move etc. can be recorded as an 'electronic fingerprint' for all files.

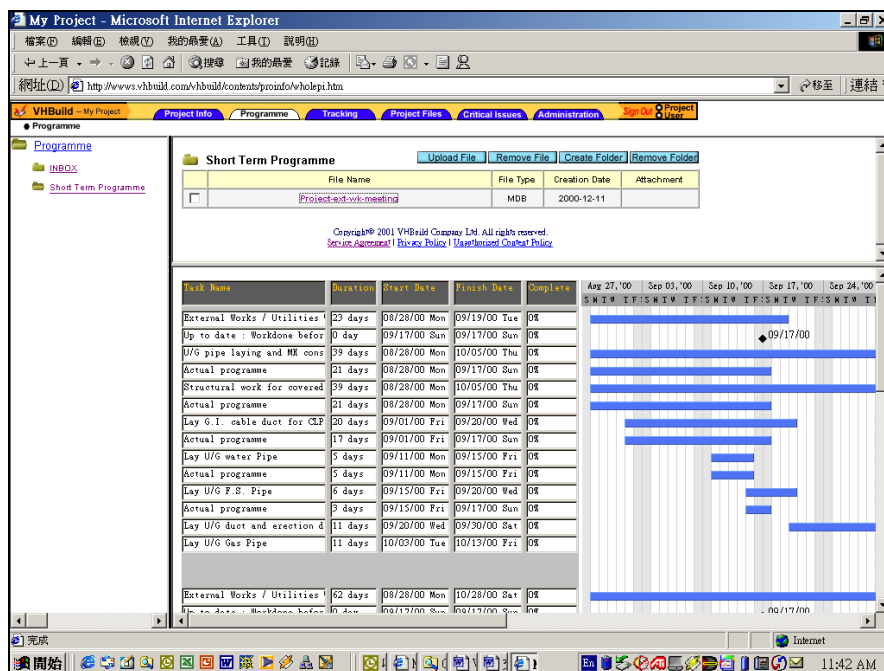
Site Photographs

Photos can be precisely catalogued, allowing the user to attach **unique attributes** to each photo (date, work area, activity description) for facilitating easy searching.

Programme Files Viewer

The Programme module is used to display the ongoing programme of activities for the project and their current status to facilitate easy project progress monitoring and planning.

VHBuild.com™ will provide the proprietary viewer for displaying **MS Project™** programme files, so that it can be shared among project team members. A simple upload / download feature will allow the users to upload files in their existing formats to display the up-to-date programme across the project environment.



End

Appendix 2- Security White Paper

VHBuild.com employs the most sophisticated 24x7 monitoring and rapid response available for its hosting application over a network. VHBuild.com™ pervasive, multi-layer security program includes state-of-the-art infrastructure and technology, world-class operational capability and best practice policies and guidelines. VHBuild.com™ security program extends from the **Network Design, Authentication, File and Database Protection to Data Center Collocation**. It is comprised of a strong perimeter defense, aggressive real time monitoring as well as file and database-level security. It has developed a multi-layer security program to ensure the privacy, integrity, confidentiality and availability of the customer's data.

The pervasive, multi-layer security program includes:

1. Authentication

- 1.1 Multiple authentication mechanisms at System Level Security
- 1.2 Token Authentication Technology

2. Data Access Security

3. Transfer Security

4. Hacking Prevention

- 4.1 Perimeter Defense at Network Level Security
- 4.2 Real-time Monitoring
- 4.3 Application Level Security Enabling
- 4.4 Anti-virus Control

5. On-going Security Management and Monitoring

6. Reliable and Secure Data Storage

1. Authentication:

1.1 Authentication Mechanism for Service Level Security

Authentication servers are deployed to control assessment of service, which offers flexibility to authorize the specified users accessing specified services. Also, the authentication server can be integrated with the Firewall to provide more flexible and explicit control over users and services. Multiple authentication mechanism throughout the network protects against unauthorized users entering the network, and also ensures that authorized users are communicating with secured servers in the host facility

1.2 Token Authentication Technology

VHBuild.com™ employs Token Authentication for user login (By **RSA Security Inc.**)- the foremost technology developed by the world's reputable security solutions vendor, to provide a **server-synchronized password** for the most secure authentication.



2. Data Access Security:

Client Defined User's Permission Right- ONLY the client-assigned accounts administrator is able to assign permission rights (Edit, Read-only and Denied Access) to individual users under the same project. So that the client can have full control on their own access control policy.

Encrypted Password- every password transferred through the Internet is encrypted using 128-bit SSL (Secure Socket Layer). So that even if the network data transfer is being tapped, the password information is not exposed.

3. Transfer Security:

All data and files transferred through the Internet are encrypted using 128-bit SSL (Secure Socket Layer). So that even if the network data transfer is being tapped, the transferring information is not exposed

4. Hacking Prevention:

4.1 Perimeter Defense at Network Level Security

VHBuild.com™ deploys state of the art firewall technology to protect the ASP network. Located right behind the Internet connection, the firewall protects against external threats. Firewall will control how and which “internal” server/device can be accessed by Internet users. Moreover, VHBuild.com™ firewall security policies are tailor-made to ensure a high degree of security by blocking malicious Internet traffic. In addition, our firewall system is multi-tiered and designed to have full redundancy.

4.2 Real-Time Monitoring

Pro-active measuring is used to monitor and audit the security level of the server center. VHBuild.com™ deploys Intrusion Detection System (IDS) for continuous auditing of the system and network security level. provides an additional security layer across the host application environment. Specifically, VHBuild.com™ will provide automated 24x7 real-time monitoring and detection of internal and external attacks.

4.3 Application Level Security Enabling

VHBuild.com fix and minimize all the security holes with a strict control system. The control system includes continuous event logging and real-time notification of abnormal activities, applying necessary security patches, removing unnecessary remote access programs and using proper user password scheme

4.4 Anti-virus Control

All files transferred are scanned using our powerful Antivirus Control Engines, so that no virus can enter into our network. The virus list is kept updated from time to time to ensure that even the latest viruses cannot be harmful to us.

5. On-going Security Management and Monitoring:

From time-to-time all equipments inside the ASP network are audited by professional third-party consultants and scanned by security scanning tools. So that all components of the VHBuild.com™ system, including firewalls, routers, servers and other devices are proactively examined. Also, all access control rules are audited from time to time to locate known vulnerabilities such as mis-configurations, policy errors or unpatched bugs, so that security weaknesses can be closed before intruders strike at them.

6. Reliable and Secured Data Storage:

All of your project data are hosted in a third party datacenter, which provides world-class, 24-hour security monitoring and intrusion detection systems, UPS (Uninterruptible Power Supply), fire protection facilities, motion detectors, event monitoring, high availability technology and resumption planning processes. All of our servers are stored in racks with locks and security alarms, reliable off-site data back up facilities for additional protection and rapid disaster recovery.

FOR MORE INFORMATION ABOUT THE DATACENTER, PLEASE REFER TO THE DATACENTER WHITE PAPER.

END

Appendix 3- Data Center White Paper

VHBuild.com deploys the best-of-breed data center which is properly managed and well equipped with the state-of-the-art technologies to provide round the clock and reliable equipment hosting, facility management, co-location and value-added services.

From the start, VHBuild.com partners with Data Center of absolute neutrality. Using a transparent, verifiable code of ethics, the Data Center guarantees that all Internet servers installed on the premises are information secure and all business activities are held in the strictest confidence.

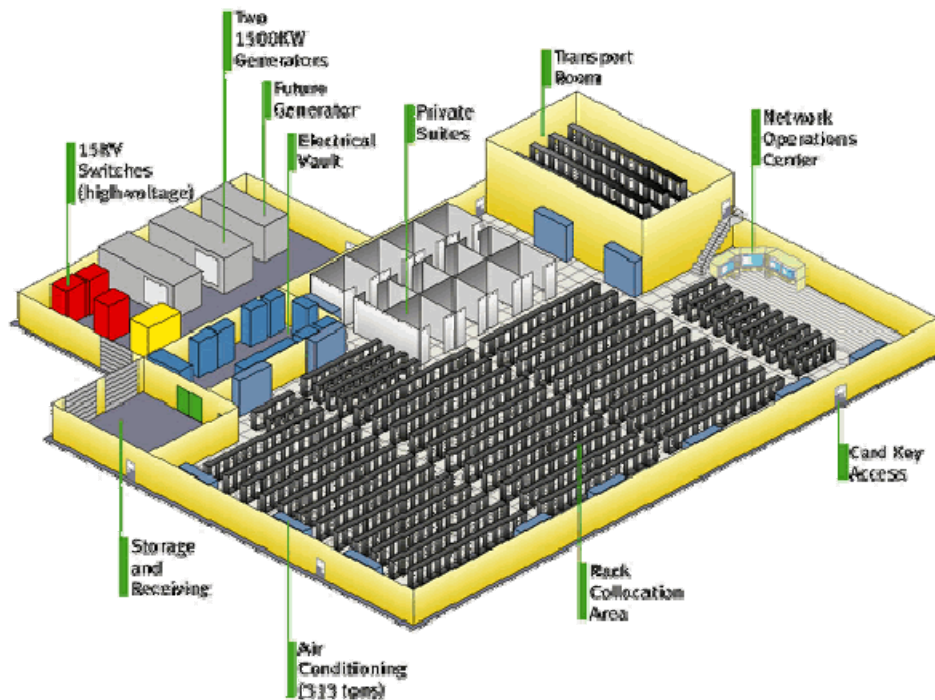
Co-location Facility and Dedicated Access Support

With Data Center's co-location services, VHBuild.com guaranteed all application services to be delivered at high speed, high capacity and reliable connections to the Internet. With Data Center's high bandwidth backbone and numerous public/private peering arrangements, services can be guaranteed with maximum speed and minimal latency.

Well-Managed Services

VHBuild.com leverages Data Center's world-class center facilities and backbone connectivity, all customers can be benefited from its 24x7x365 server management and monitoring services. Its technical experts allow us to proactively monitor both the performance of servers and the overall network throughput for resources reallocation. In case of machine failure, Data Center will immediately notify the customer and troubleshoot the networks and systems, as per chosen procedures. Data Center can also provide other value added services such as site mirroring and caching content services, in addition to anti-virus and hacker-firewall services.

Data Center provides numbers of key software to monitor web performance. This helps VHBuild.com remotely monitor their network traffic in real time. Other than these, Data Center can also provide onsite/offsite backup services.



The above figure shows the setting of the data center:

- Redundant and clean connectivity
- Uninterrupted power supply
- Redundant power backup
- Redundant hardware and network infrastructure
- 24x7 guard patrol and closed-circuit TV surveillance
- 24x7 network monitoring
- 24x7 technical support
- Intruder alarms
- Spacious area
- Raised floor design for ventilation and cooling effect
- Constant temperature and humidity control
- Totally dry fire suppression system
- Labeling of cages and customer equipment

Specifically, the Data Center will provide 24 x 7 x 365-security monitoring and intrusion systems, UPS, state-of-the-art fire protection, motion detectors, event monitoring, high availability technology and resumption planning processes. All servers hosted in data center are equipped with locks on co-location spaces and security alarms, reliable off-site data back up facilities for additional protection and rapid disaster recovery.

By co-locating the VHBuild.com's ASP services in Data Center, much cost can be saved in relation to the set-up, technology improvements and operation running. Coupled with Data Center's strong technical and professional support, we ensure customers' business to maximize operational benefits and minimize operating costs. By relying on Data Center's Internet Connectivity and Facility Management Service, we can worry less on the technological aspect.

End

Appendix 4 - Project Reference

4.1 Reference in Hong Kong

Architectural Services Department

- Design & Construction of Independent Commission Against Corruption Headquarters Building at Java Road, North Point, Hong Kong
- The Design Renovation & Conversion of Old Married Quarters & the Design & Construction of Supporting Facilities for the Re-provisioning of Victoria Prison at Lai Chi Kok Reception Centre
- Design & Construction of Joint User Building at Rock Hill Street, Kennedy Town, Hong Kong.
- Design & Construction of New Territories South Regional Police Headquarters & Operational Base at Tsuen Wan, N.T.
- Design and Construction of Government Quarters for Fanling Area 28A
- Design and Build Maintenance Contract for TC L018

Hong Kong Housing Authority

- Tung Chung Area 31 Phase 2 Development
- Redevelopment of Kwai Chung Estate Phase 3
- Foundations for Fanling Area 36 Phase 4
- Tseung Kwan O Area 73 Phase 2 Development

Yau Lee Holdings Ltd

- Sharp Street No. 33 Complex Development

4.2 Reference in PRC

- 北京市首都博物館新館建設工程業主委員會
- 清華大學土建工程承包總公司
- 重慶隆信行物業管理有限公司

Appendix 5

ISO27001 certificate



COPY

DET NORSKE VERITAS MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 07558-2004-AI-LDN-UKAS / Rev. 1

This is to certify that

**VHSOFT TECHNOLOGIES CO., LTD.
/ VHBUILD CO., LTD.**

at

Head Office : 1/F Tak Wai Building 23-25 Cheong Lok Street, Kowloon, Hong Kong
Operation Server Site : Quarry Bay, Hong Kong (Outsourcing to PCCW)

has been found to conform to the Information Security Management System standard:

ISO/IEC 27001:2005

This Certificate is valid for the following product or service ranges:

Design and supply application systems for project hosting by registered users with functions and data storage through internet in accordance with the latest version of the statement of applicability

Initial Certification date BS7799:

August 29th, 2001

Initial Certification date ISO 27001:

December 16th, 2006

This Certificate is valid until:

August 29th, 2007

Place and date:

Rotterdam, December 19th, 2006



The audit has been performed under the supervision of:

Liu YueJie
Lead Auditor

for the Accredited Unit:
DNV CERTIFICATION B.V.,
The Netherlands


Ron J. Meijer
Management Representative

Lack of fulfilment of conditions as set out in the Appendix may render this Certificate invalid.

DNV CERTIFICATION B.V. Haastrechtstraat 7, 3079 DC Rotterdam, The Netherlands

DNV 7265:2-2