



SAVING THROUGH TECHNOLOGY

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Phoenix AV Solutions Ltd



Industry Issues

- # Reduction in projects / project values
- # Loss of many companies / jobs
 - ❖ More opportunity for remaining companies?
 - ❖ Need for remaining to review procedures
- # Ongoing Health & Safety Issues
 - ❖ Continued construction worker deaths / injuries
 - Huge fines / payouts
- # Need to instill confidence in clientele



Who Are We?

Phoenix AV Solutions Ltd

- ❖ Award winning Total AV Solutions Specialists
- ❖ Education, corporate, commercial, government projects

Directors

- ❖ Dennis Silverlock / Sharleen Toller
- ❖ 15 years Integrated AV Project Experience
- ❖ Ex-Senior Military Officer



Efficient Building Sites

All about Communications





Potential Issues

- ✚ A wide and varied collection of individuals



Sub Contractors



Building Contractors



Client

Architects, Planners, Project Managers



Head Office





Potential Issues

- ✦ A wide and varied collaborative network
- ✦ How do you quickly and easily communicate between them all?
- ✦ How can you quickly and easily share information with the relevant parties?
- ✦ How much time do you lose doing it?
- ✦ How much does it cost to do it?



Four Technologies



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COMMUNICATING DATA

Site Meetings





Current Equipment



- ✚ Equipment cheap to buy
- ✚ Easy to site / set up
- ✚ Easy to understand / use
- ✚ Usually available





Current Meetings - continued

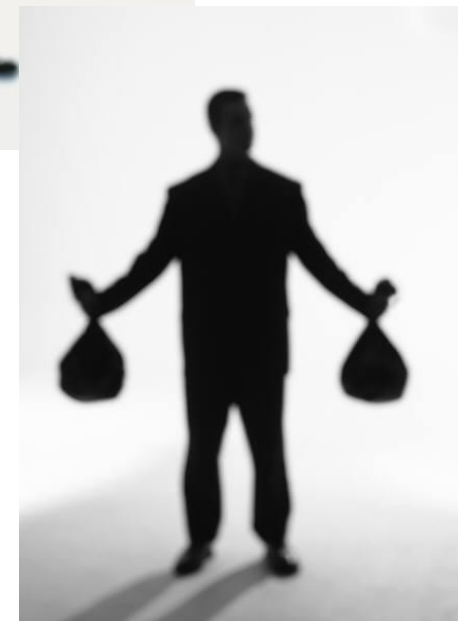
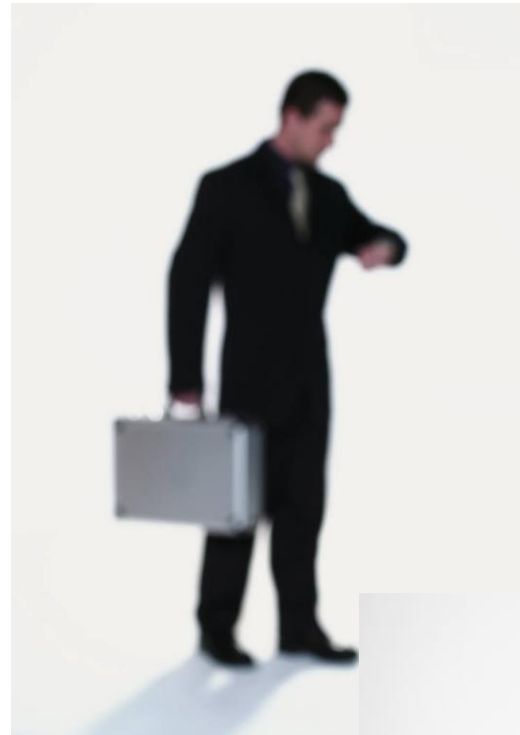
- ✚ Dirty & cluttered
- ✚ Lost erasers / dried pens
- ✚ Paper / pens not replaced
- ✚ Information hard to correct or assimilate
- ✚ Important notes need copying or transcribing disseminating





Effects

- ✚ Lost time
 - ❖ Collating notes
 - ❖ Transcribing notes
 - ❖ Informing non attendees
- ✚ Lost Money
 - ❖ Time taken over above
 - ❖ Ongoing consumables
- ✚ Critical Effects
 - ❖ Lost / misinformed data
 - ❖ Project slow-down





Interactive Solutions

+ Include

- ❖ Interactive Boards
- ❖ Interactive LCD
- ❖ Interactive Portable

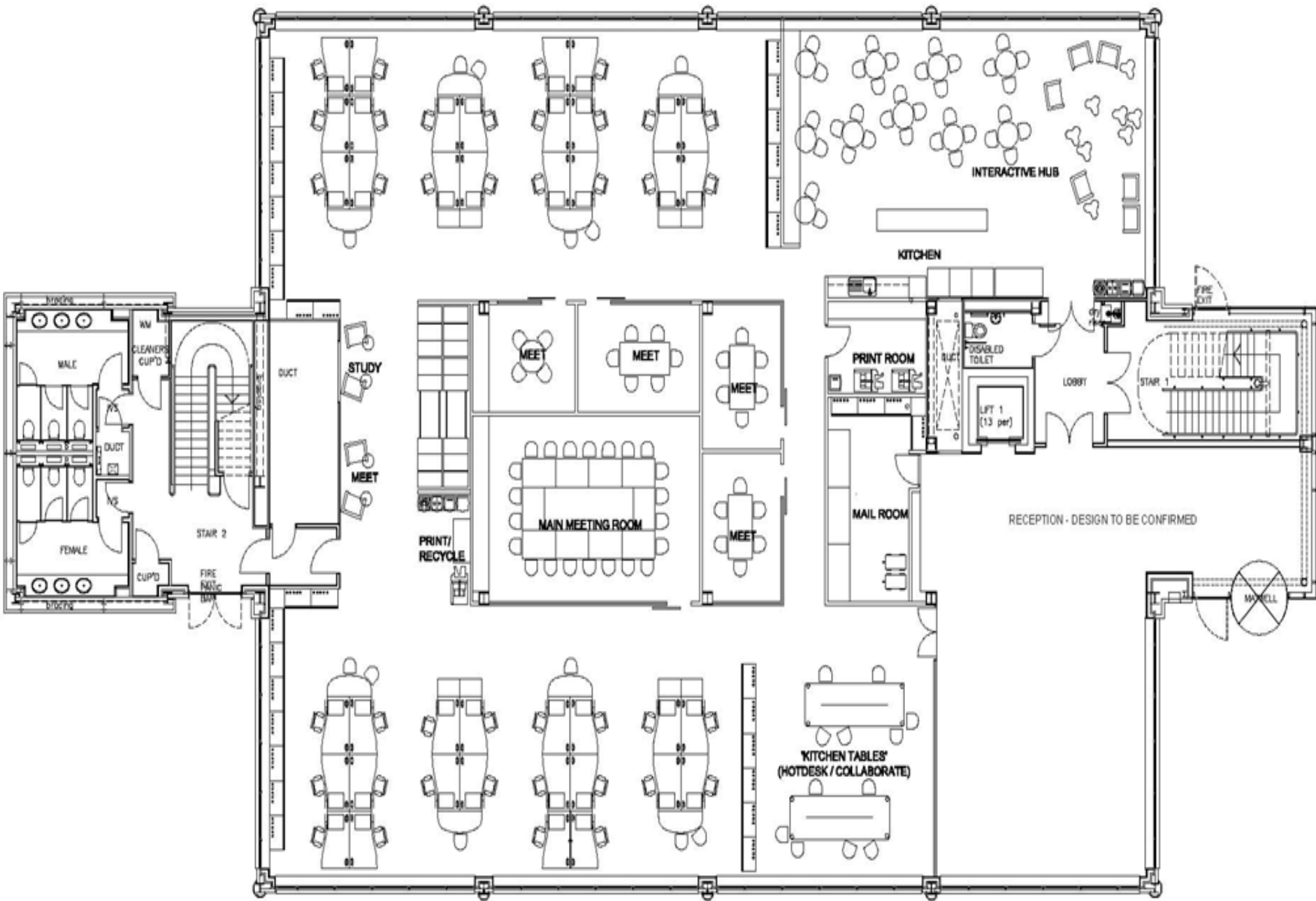
+ Connect to Computer

- ❖ Control via pen / finger
- ❖ Interact with all PC programmes
- ❖ Highly flexible
- ❖ Easy to use





Interactive – Marker Board



PROPOSED GROUND FLOOR SPACE PLAN

NOTE: LOCATIONS OF EQUIPMENT TO BE CONFIRMED BY CLIENT. CONTRACTOR TO ASSIST IN RELOCATION AS REQUIRED.





Advantages & Benefits

- ✦ Facility always ready to use
- ✦ Meeting notes always saved
- ✦ Re-open, adjust / change previous notes
- ✦ Notes can be converted for dissemination and sharing
- ✦ Use screen for video playback / presentations

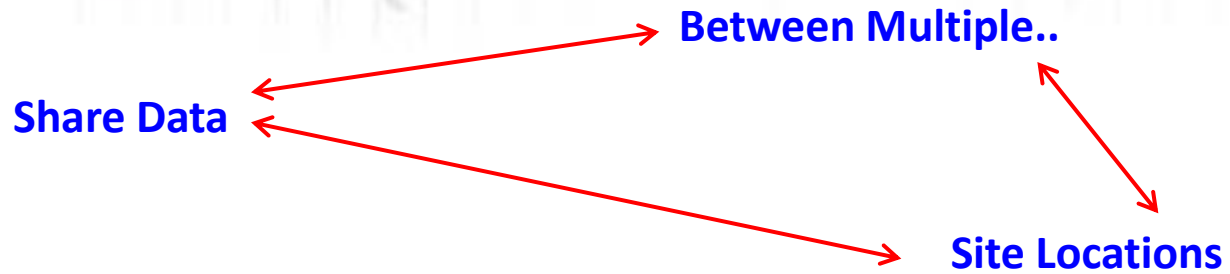


Advantages & Benefits - continued

- ✦ Improved efficiency
- ✦ Meeting better managed / clearer
- ✦ Improved customer facing procedures
- ✦ Quicker solutions, less time lost
- ✦ Less time lost / less money lost



Data Conferencing





COMMUNICATIONS OVER DISTANCES



Last minute consideration

Schedule too Busy



Distance too far

Traffic Issues



Meeting Costs



200 mile round trip...
Costs £ 34 and wastes 4 hours



Meeting Costs - continued

No Persons	No Meetings Each	Average Round Trip	Per month		Per Year (11 months)		50% Potential Annual Saving	
			Travel Cost	Time Lost	Travel Cost	Time Lost	Cost	Time
1	1	200	£ 34	4	£ 374	44		
1	10	200	£ 340	44	£ 3,740	440		
10	10	200	£ 3,400	400	£ 37,400	4,400	£ 18,700	2,200
20	10	200	£ 6,800	800	£ 74,800	8,800	£ 37,400	4,400

What could you do with an **extra £ 18,700** or more per year?

What can your employees achieve with an **extra 2,200 hours** or more per year?



Video Conferencing
can help achieve
those types of
percentage savings





Perceived Issues

- # Too expensive to buy and install
- # Only relevant to large corporations
- # Too complicated to use
- # Only useful between big offices
- # Cannot show or interact as required
- # Limited capability to show important data
- # Many employees scattered away from offices



Last minute consideration

Schedule too Busy



Distance too far

Traffic Issues







Lease Lines

- ✚ Lease lines into building sites
 - ❖ Easy to install
 - ❖ Cost effective
 - ❖ Short term
 - ❖ Separate from company networks



Benefits

- # Access to all required personnel anytime
- # 'Desktop' system to connect non VC Users
 - ❖ 'On the Road' via laptops with 3G
- # Ability to include required individuals at short notice
- # Reduction in travel
 - ❖ Cost / lost time / stress / hazards
- # Ability to share documentation



COMMUNICATING INFORMATION & SAFETY



Sub Contractors



Building Contractors



Client

Architects, Planners, Project Managers



Management





Site Visitors

- ✚ All persons shown could visit your site
 - ❖ Building Employees
 - ❖ Administration Employees
 - ❖ Sub-contractors
 - ❖ Clients & Visitors
 - ❖ Architects / Project Managers / Senior Management
 - ❖ Nuisance 'Odds & Sods'



Information Needed

- # Site Safety Rules & Procedures
- # Daily Notices
- # Company Notices
- # Safety Updates
- # Emergency Notices
- # Visitor Information





Digital Signage Systems

Networked LCD Screens

- ❖ LCD Screens with built-in processors
- ❖ Connect and controlled via local network
- ❖ Easily sited
 - Meeting areas
 - Employee facilities
 - Site entrances (weather / vandal proof enclosures)



Advantages & Benefits

- ✚ Create Templates to include
 - ❖ Pictures / video / text / web pages / RSS feeds etc
 - ❖ Live TV feeds
- ✚ Schedule information to change as required
 - ❖ Arrival times for contractors
 - ❖ Site induction reviews
 - ❖ Visitor personalised greetings / information
 - ❖ Break time for contractors



Advantages & Benefits – continued

- ✚ Centralised control of screens
 - ❖ Information is instantaneous / no areas missed
- ✚ Information always available
 - (even if network down)
- ✚ Long term cost effective
 - ❖ No requirement to re-write / print material
 - ❖ Save time updating boards / notices
 - ❖ Reduce induction time / continuous training



Advantages & Benefits - continued

Flexibility

- ❖ Screens for important messaging
- ❖ Also use for relaxation (e.g. TV at certain times)
- ❖ Reinforce important issues (H & S)

Company Image

- ❖ Clients & Visitors
- ❖ Contractors



COMMUNICATING TRAINING & INFORMATION



Sub Contractors



Building Contractors



Head Office



Client

Architects, Planners, Project Managers



Management





Passage of Information

Training:

- ❖ Basic / Intermediate / Advanced
- ❖ Update Training

General Information

- ❖ Company Briefing
- ❖ Lectures & Presentations

Live Streaming Seminars

- ❖ Chairman's Reports



Recipients

- ✚ Company Employees
 - ❖ Administrative Staff
 - ❖ Construction Workers
- ✚ Sub Contractors
 - ❖ Site Inductions
 - ❖ Safety Updates
- ✚ Visitors
 - ❖ Regular progress reports



Potential Issues

- ✚ Requires time consuming preparation
- ✚ Coordination of delivery
 - ❖ Who needs it?
 - ❖ How many times does it need to be delivered?
- ✚ Locations of delivery
 - ❖ How many sites / offices ?
- ✚ Compiling / Monitoring Results
 - ❖ Who has completed / not completed / seen etc?



Online Media Training

MediaSite System

- ❖ Live Streaming to hundreds of locations
- ❖ Compile training sessions for online viewing
- ❖ Upload frequent progression reports / video
 - Minimise site visits
- ❖ Monitor / record viewers
 - E.g. Sub-contractors induction update
- ❖ Receive questions
- ❖ Add links to sites and documents



BLOGGINS THE BUILDER

CONSTRUCTION SITE SAFETY

No 1

INDIVIDUAL PROTECTIVE
EQUIPMENT



Paused 00:12/02:39



No 3: Using Mediasite for Practical Training Session

- Matt Taylor
- D.R. Silverlock
- Adrian Fisher

An example of how Mediasite can be used to deliver a more practical presentation.

In this scenario - it is used to deliver information on Building Site IPE Regulations to Sub-Contractors as part of an induction

24/07/2008 16:55 GDT Length:00:02:39

More...



Advantages & Benefits

- # Greatly reduces pressure on training staff
- # Reduce requirement for frequent travel
- # Reach 100% of required personnel
 - With online access / facilities
- # Quick and easy to update
- # Quick and easy to monitor and quantify
- # Significant long term savings



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THANK YOU



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