Sample Projects

HSBC

Video Conference and Presentation Systems

Global Rollout

- HSBC at the time had the largest Cisco video conference estate in the world with over 50,000 endpoints throughout the world.
- HSBC required a standardised video conference and presentation system with the following:

    - TMS Server: Integrate with capabilities of the banks TMS Server including call merging and quick search of address book.
    - Security: Integrate with the bank supplied Cisco codecs using secure SSH.
    - Flexible: Integrate with all meeting rooms and spaces of varying size and furniture.
    - Easy Install: Sophisticated system self-test and diagnostics on the touchpanel allowing for rapid install and commission.

- Initially x8 systems were deployed on executive floor of HSBC headquarters in Canary Wharf.
- The feedback was very positive and the systems were accepted as the global standard with over 400 systems being deployed in 22 countries.

Barclays Bank

Digital Signage Management and Control

UK Rollout

- Barclays have groups of digital signage screens within all of their branches throughout the UK.
- Barclays required the ability to manage the scheduling of all digital signage groups from a central location on the banks network.

    - X-Panel: RMC3 installed in each branch with a web-based X-Panel solution.
    - SystemConfig.csv: RMC3 program configured via a SystemConfig.csv file which is pulled down from the banks network via FTP.
    - Auto Update: RMC3 program uses the branch ID to pull its SystemConfig.csv from the banks FTP server each night.
    - Scheduling: RMC3 program fully configured using the SystemConfig.csv including on/off times and LCD API commands.
    - Management: Banks end users make changes to a branch SystemConfig.csv and the changes are applied overnight.

Deutsche Bank

New York, x8 Boardrooms

Remote Commission

- Deutsche Bank in New York required the install and commission of x8 substantial boardrooms using their AMX touchpanel template.
- Deutsche Bank systems contained AMX 19.4" MXT panoramic touchpanels.
- Deutsche Bank systems contained substantial levels of functionality.
- Deutsche Bank had ordered the install and commission through the AVMI New York office, however due to budgetary and logistical reasons it was necessary to commission all x8 systems via remote from the UK:

    - Systems were physically installed.
    - Systems software was written and tested offsite.
    - Commissioning engineer from AVMI's US office would attend site.
    - Commissioning engineer would connect to both the local system network and internet.
    - Commissioning engineer would share laptop allowing me to upload and commission all x8 systems through the engineer's laptop.

Touchpanel and Processor Program Traits

Below is a summary of some of the desired and undesired traits of all touchpanel and processor program design:

- The traits are applicable to all areas of touchpanel design and source code implementation.
- The traits naturally combine, compound, promote, re-enforce, build-in and inherently work towards achieving successful and stable software.
- The traits should form the core considerations behind all touchpanel design and implementation decisions.

	Desired				**Undesired**	
Touchpanel:	Simple	Efficient	Conventional	Transparent Technology	Frustration	Awkwardness
	Organised	Smooth	Satisfaction	Non-Technical	Unresponsiveness	Hinderance
	Maintainable	Polished	Familiar	Home Button	Impedance	Clunkiness
	Extensible	Balanced	Ergonomic	Easy Mental Map		
	Intuitive	Symmetry	Closed Paths			

	Desired				Undesired
Processor Program:	Simple	Efficient	Clean	Clarity (in design and structure)	Unnecessary layers of complexity
	Organised	Consistent	Elegant	Clarity (in role)	Unnecessary layers of processing/handling
	Maintainable	Symmetry	Neat	(Appropriate) Flexibility	Unnecessary generalisation
	Extensible	Conventions	Discipline	(Appropriate) Restriction	Unnecessary feature anticipation
	Readable	Safe	Cohesive	Minimal Risk	Premature optimisation
	Modular	Reassurance	Motivation		Over engineering
	Loose Coupling	Confidence	Conscientious		Verbosity/Ambiguity
					Misleading/redundant source code
					Misleading/redundant comments
					Rigidity
					Brittleness
					Clunky