

Technology Workshop

NZCCSS Conference
10 April 2008

Napier

Selwyn Village

- :: Large retirement village in Point Chevalier
- :: Accommodates 565 residents
- :: Need levels include
 - :: Fully dependent (private hospital level care)
 - :: Rest home
 - :: Secure dementia
 - :: Independent living (LTO)
- :: Fully operational medical centre on site

Drivers

- :: Aging “baby-boomers” generating massive spike in aged population
- :: Continuing low levels of Government funding
- :: Need to maintain and enhance quality of care
- :: Increased expectation in aged care population
- :: Increasing accessibility of Assistive Technology worldwide
- :: Selwyn Foundation Business Plan 2004

“Baby-Boomers” Archetype

- :: Healthier – benefit from public health programmes; immunisation; smoking cessation etc.
- :: Longer lived – 100+ no longer remarkable
- :: Self centered and demanding. Expect to shape the world to their needs
- :: Technology literate

Vision for AT 2004

:: Ensuring basic safety

- Portable devices to allow communication and monitoring; e.g. fall detection, roaming, panic alerts

:: Assistance with daily living

- Environmental control within residences; e.g. doors, voice commands, dialogue with caregivers and peers, reminder systems

:: Responding rapidly in emergency situations

- Monitoring individuals and residences by exception only. Links to caregivers and emergency services; Technology control centre.

Technology for Independence

- :: 2004 – lets talk about technology
- :: 2005 – Assistive Technology plan
- :: Focus on License to Occupy model
- :: Ten strategic goals
- :: Existing systems out of scope
- :: New cloth old garment

Ten Goals

1. Ethics and Privacy
2. Infrastructure Plan
3. Pragmatic Usability
4. Information Programme
5. Collaborative Leadership
6. Management Centre
7. Roam Monitoring
8. Movement Sensing
9. Fall Detection
10. Prototype Environmental Control System

Technology for Independence

Safety
Assistance
Response

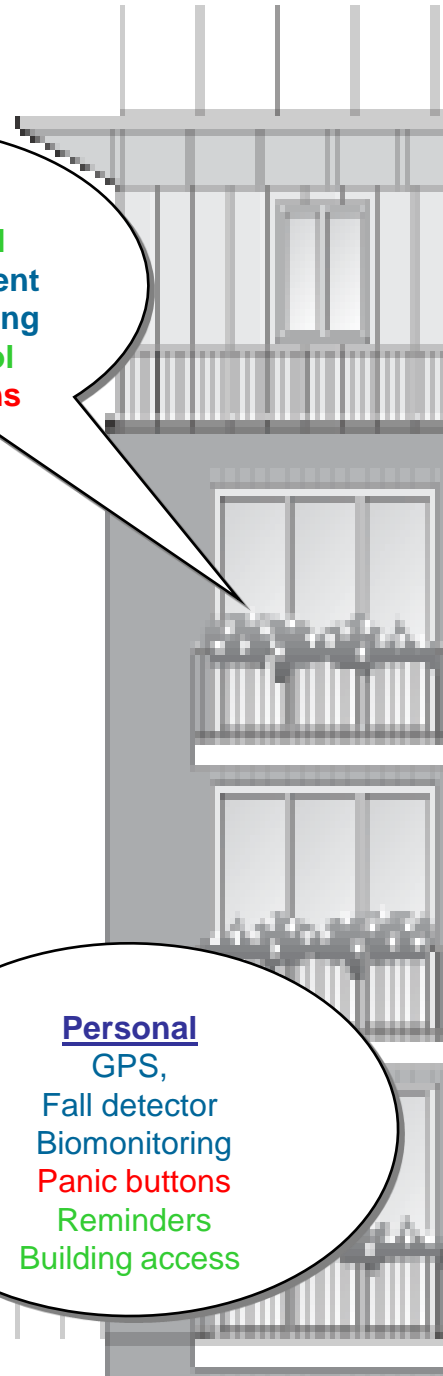


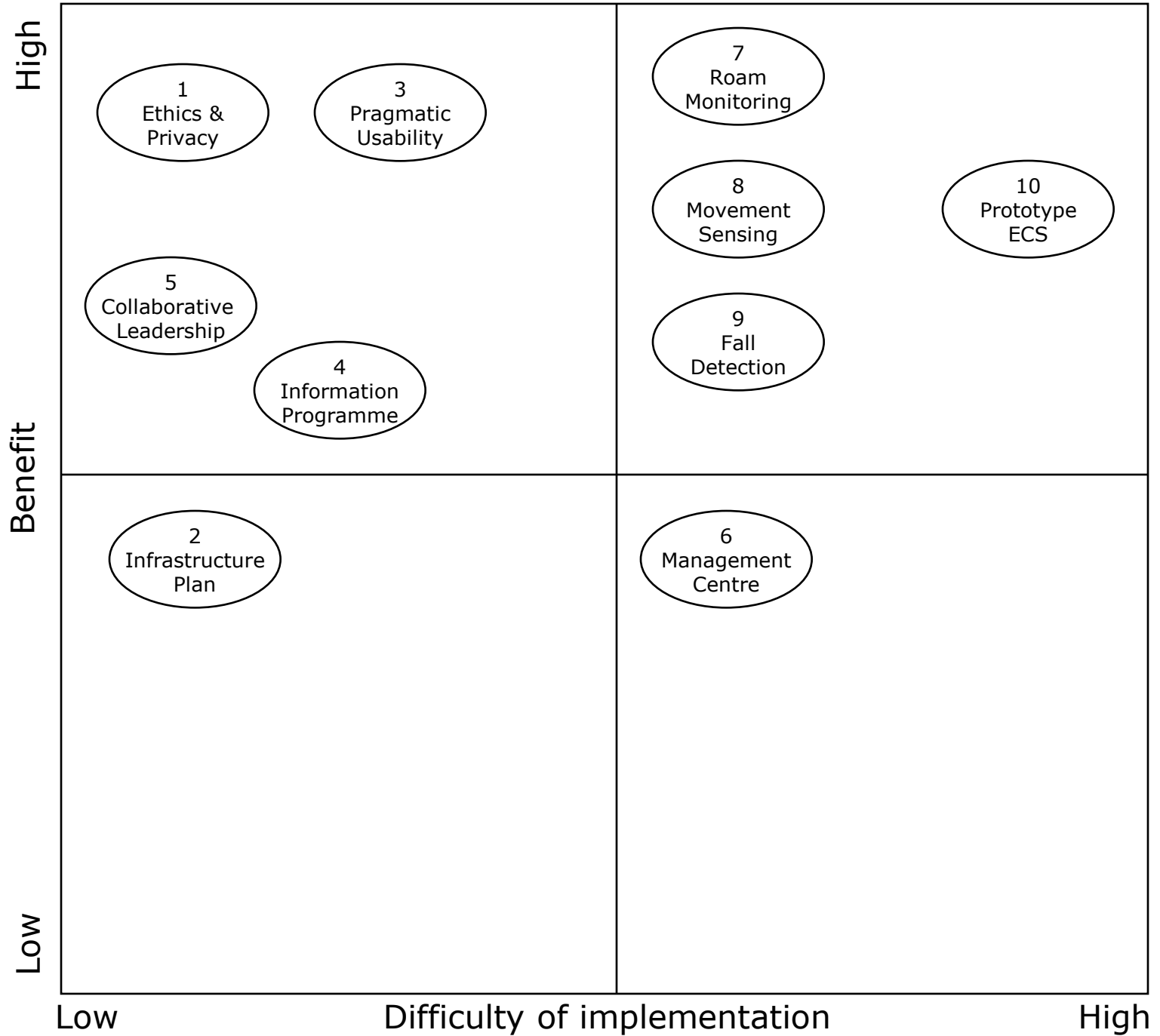
Organisational
Management
Monitoring
Rapid
response
Dialogue

Residential
Access control
Sensory equipment
Intruder monitoring
Building control
Communications



Personal
GPS,
Fall detector
Biomonitoring
Panic buttons
Reminders
Building access





High

Benefit

Low

Low

Difficulty of implementation

High



16:31 | Monday 10 Oct 2006

SECURITY ID # 268-44	NAME ALAN SMITH
START TIME 06:00 GMT	
END TIME 18:00 GMT	
HOURS LEFT 2.5	
DAYS WORKED 4	M T W T F S S
EMPLOYED AT SELWYN 4 YEARS	HISTORY STATUS
NOTES Consistent performance. Available for extra shifts. 2 Weeks leave scheduled 12 Nov - 26 Nov.	

JUMP TO

SELECT SITE
SELWYN VILLAGE

- VIEW SITE LAYERS
- POWER
 - TELECOMS
 - GAS
 - STORM WATER

VIEW

TOP VIEW 3/4 FRONT

3/4 BACK SIDE VIEW

- SECURITY
- EXPECTED ROUTE
 - HISTORY ROUTE

ZOOM LEVEL 1 2 3 4 5

TOOL BOX

EVENT PLAYBACK 1AM 6AM 12PM 16:31 10 Oct 6PM 11PM

False Start

- :: Can't run before walking
- :: Not possible to ignore fundamentals
- :: Needed to sort out infrastructure
- :: Staff not ready
- :: Dis-integrated projects
- :: Lack of executive buy-in
- :: Re-think strategy, 2006 ICT Strategic Plan

Jan 2008

Jan 2009

Jan 2010

Jan 2011

ICT Infrastructure

Service Delivery and Continuity

Standards Definition

Standards Implementation

Communications

Standardise Nurse Call

Mobile Telephony

PABX replacement

Business Intelligence

Rationalise KPIs

Build Data Warehouse

Implement OLAP

Knowledge and Learning

Doc Mgmt Framework

Online Doc Mgmt

ICT Competency Development

Applications

Scoping Study

Resident Information Systems

HR Info Systems

Property Mgmt Info System

Value added Services

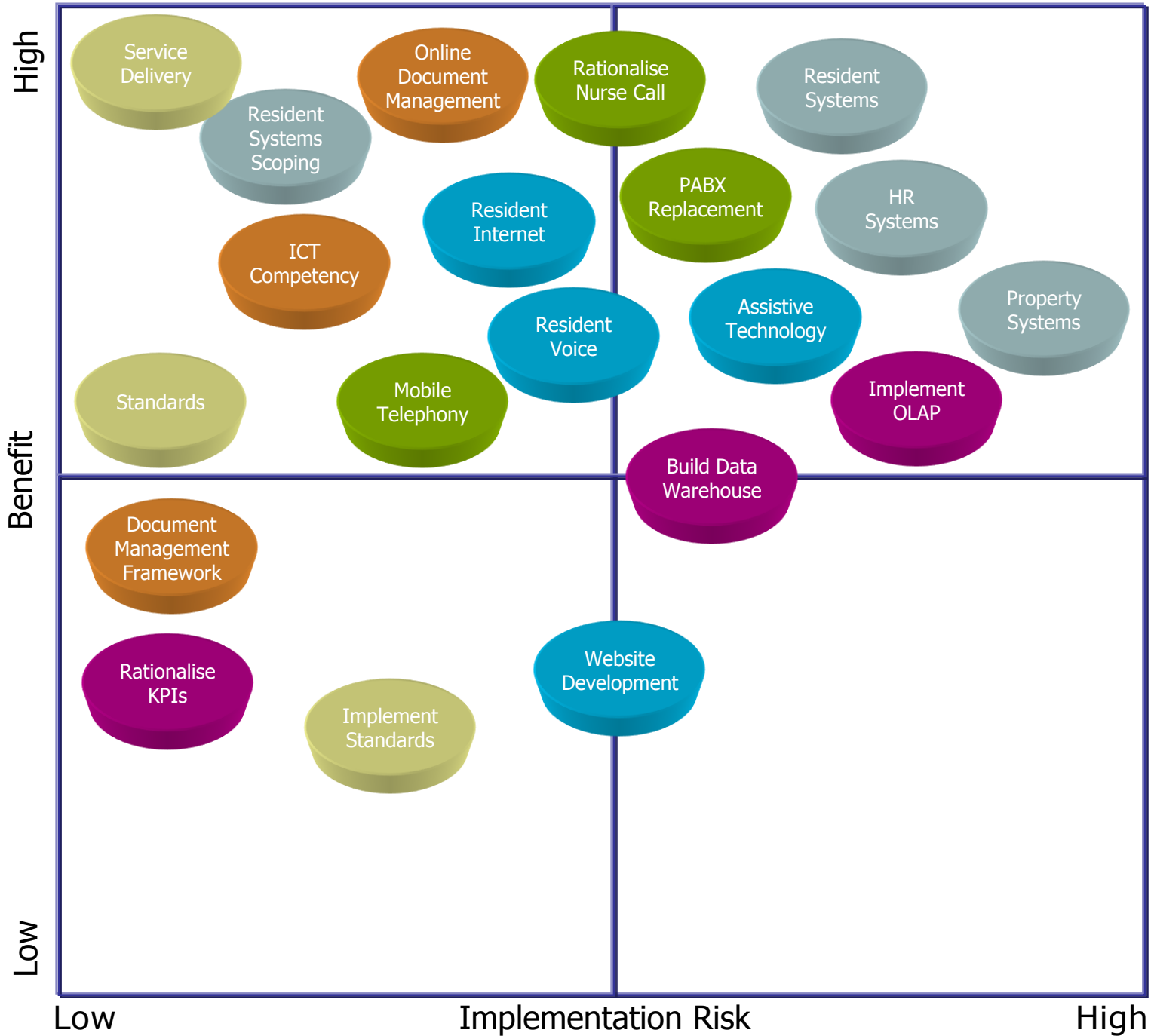
External Website

Resident Internet

Resident Telephony

Assistive Technology





Selwyn's Achievements

- :: Control of IT spend, move from unknown
- :: Stable, reliable and scalable infrastructure
- :: Electronic time-sheets
- :: Fully electronic medical record
- :: Resident care facilities paperless
- :: Converged network, first stage of T4I plan
- :: Compare commercial ventures

Final Thoughts

- :: Opportunities to survive technology, or a blueprint for working in the 21st century
- :: Ten years has changed everything
- :: Y2K bug to Facebook
- :: Commoditisation of technology
- :: Software as a service, not an asset
- :: Good management principles apply
- :: Continue to dream of wonderful machines



Thank you for your attention

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