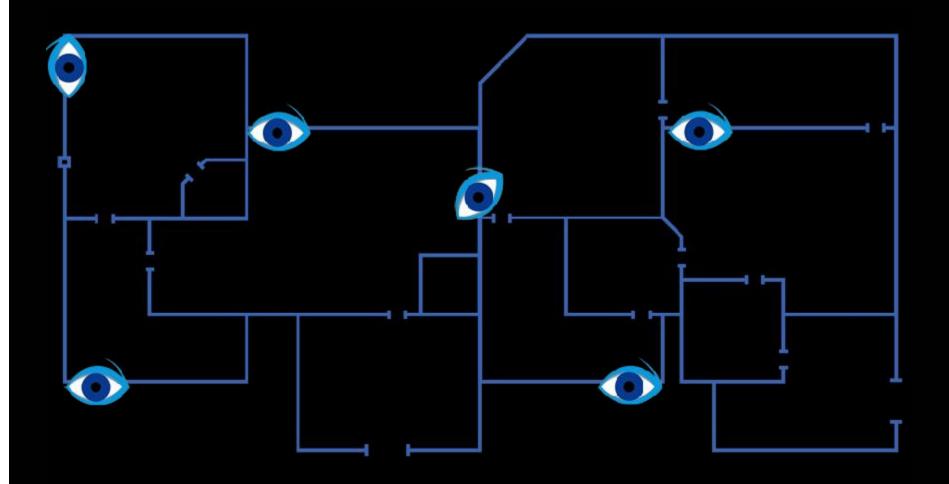




What is the J3 Roving Eye?





- > Rising expenditure on security
- > Terrorism

Traditional Security Implementation

Expensive:

1 security personnel and 1 dog = \$2.7 - 2.8K per month

Poses potential HR problems:

Having to hire outside security firm

A more cost effective system is needed

What can our system do for you?

- > Online monitoring of premises anytime, anywhere
 - Internet, GPRS and 3G
- Controlling of Roving Eyes to patrol premises



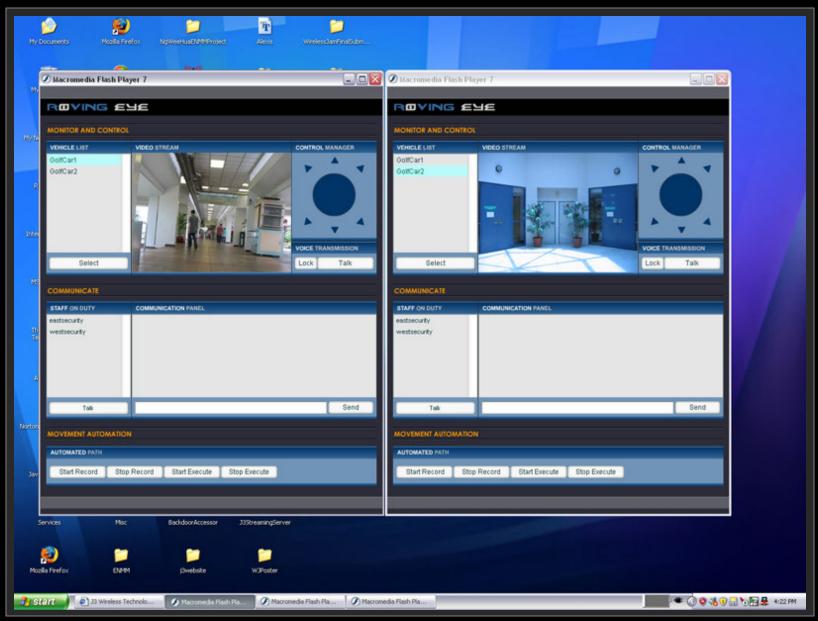


- Workstations, PDAs, mobile phones,
- Guards do not come face-to-face with danger

What can our system do for you?

- Configuration of Roving Eyes to move automatically
- Easily customised to suit the needs of the company
 - Content management system allows for easy updating
- Better quality of surveillance
 - Fewer guards needed to monitor large areas
 - Guards can communicate with each other

What can the system do for you?

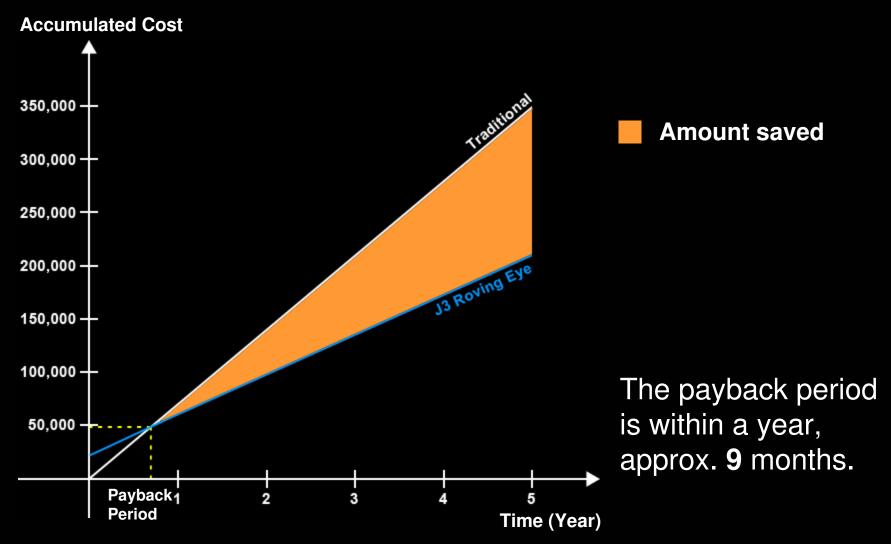


Comparison of Costs

Traditional Setup		
2 guards	=	\$3,000/mth
1 dog + handler =		\$2,700/mth
Total for 2 year	S =	\$136,800

J3 Roving Eye			
2 guards	=	\$3,000/mth	
4 Roving Eyes minus vehicles	=	\$20,100	
Maintenance	=	\$250/mth	
Total for 2 year	S =	\$98,100	

Payback Period



The longer you use the system, the more you save.

With a customised vehicle, initial investment will be slightly higher, depending on the vehicle required.

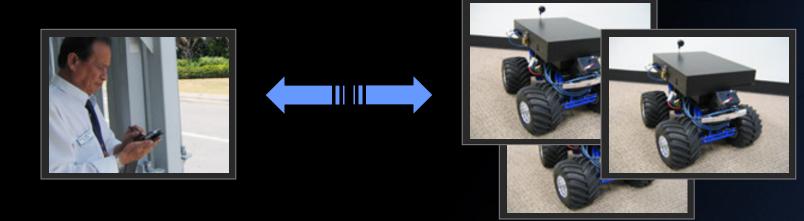
Technologies Implemented

- ▶ Java J2SE 1.4
- > Flash MX 2004
- > Flash Communication Server MX 1.5
- Windows XP Professional
- Phidgets Servo Controller
- Hypertext Preprocessor (PHP)
- MySQL Database Server
- Apache HTTP Server



Design of the System

Security personnel – Roving Eyes



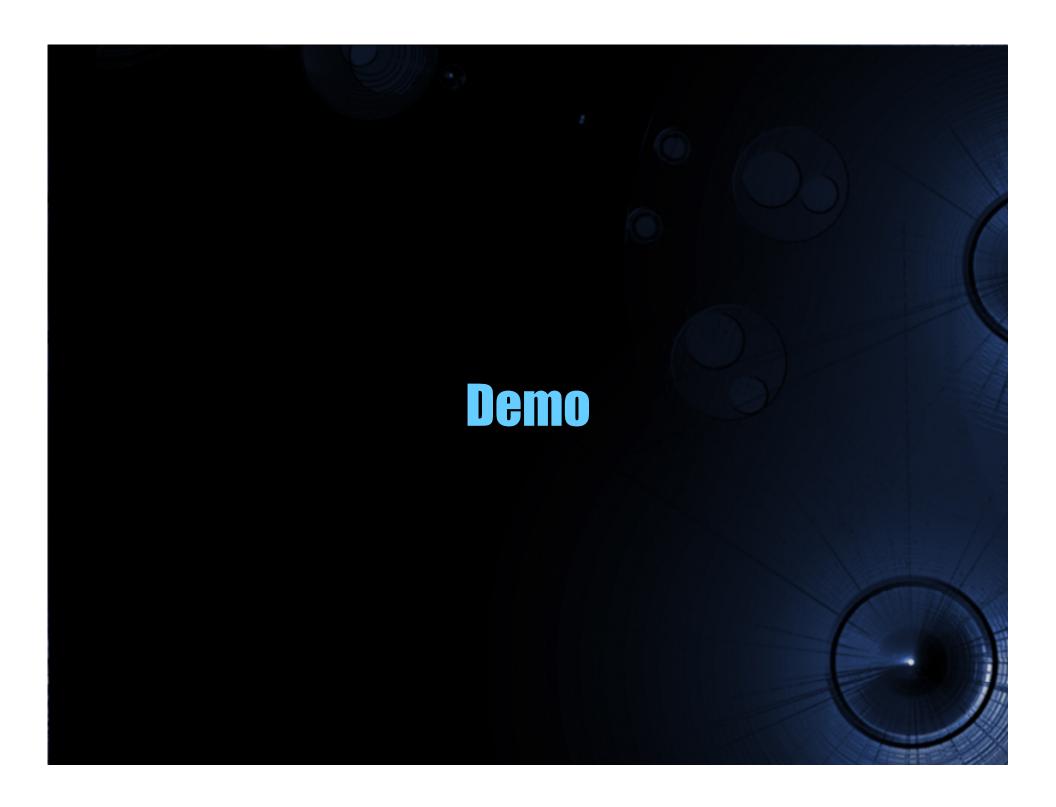
Security personnel – Security personnel







Conceptual Diagram



The J3 Roving Eye Concept:

- ➤ NOT about a vehicle, it is a CONCEPT
 - Different kinds of devices can be used to monitor the premises by wireless means



Moving tracks



Golf cars



Walking robots

Customised Vehicle

???

Scalable

 Easily customised to suit company's security needs (vehicle, user interface and functions)

Possible Enhancements

- Location tracking
- Out-of-range signal
- Sensors
 - Motion, obstacle, chemical, temperature and Radio Frequency Identification

> Air-borne devices



