

# Virtual Government Technology Center (VGTC)

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**“Virtualization offers significant benefits, including better security, manageability and access to applications in a distributed world.” Forrester Research, January 5, 2006**

**“Anytime, Anywhere Government Services”**

# Virtual Government Technology Center

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Gartner Research - Trend:

*“By the end of 2008, more than 300,000 users licenses for host virtual desktops will have been bought. By the end of 2013, approximately 50,000,000 user licenses will have been bought”*

The rate of new technology available is rolling out faster and faster. The VGTC is the place to demonstrate and see real live performance.

# Virtual Government Technology Center

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- The *VISION* is to architect a Virtualized Infrastructure Solution which will maximize the value of desktop virtualization with IP Phone connectivity through increased availability, increased flexibility, and simplified maintenance.

# Virtual Government Technology Center

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- The *GOAL* is to develop a, shared-use comprehensive desktop virtualization solutions with integrated management of hardware and software.

# Virtual Government Technology Center

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- The *SCOPE* is to develop and deploy the Virtualized Infrastructure Solution for the Arizona Department of Administration (ADOA) in coordination with local governments and educational institutions.

# Problems To Solve with VGTC

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- As government downsizes existing employee are asked to be **more productive**
- Many versions of software **now available**
- Software rarely used **now available**
- Purchasing **only licenses** than you need
- Being at a **State-of-the-Art** level with Hardware/Software
- Refresh can **pay for costs as you go**
- Virtual Office and Teleworkers need **documents online**

# Partnerships to date

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Government groups to start-

- ADOA
- AZNet - Phones
- GITA - Policy
- ASU - Consulting
- Department of Education
- **more welcome**

# Virtual Government Technology Center

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- Desktop virtualization hardware and software for 24 mock offices including servers and switches.
- VGTC will demonstrate architecture, design, deployment, and migration guidance detailing the proposed virtualization solution.
- ADOA will provide office space, rack space, wiring, power and staff on hand to provide tours.

# Virtual Government Technology Center

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Continued. . .

- ADOA Desktop Virtualization Team will assist with development and deployment of Virtual Desktops.

# Mock Office Scenarios (Office, Task, Mobile)

Administrators	Analysts
Professionals	
Call Center employees	Customer Service Desks
Consultants	Temp Staff
Interns	Remote Employees
Teleworkers	Inspectors
Mobile Workers	Leadership

# Floor Plan of 24 mock offices



# Financial Case

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- The financial case is clear: server-hosted virtual infrastructure can save significant IT capital and operational costs.
- Centralizing servers and server support staff leads directly to higher utilization levels.
- Simplified software deployment radically reduces rollout and upgrade costs.
- Longer equipment lifetimes reduce capital expenditure.
- Reduced power consumption directly lowers energy costs, and indirectly lowers cooling requirements.

# Total Cost of Ownership Estimates

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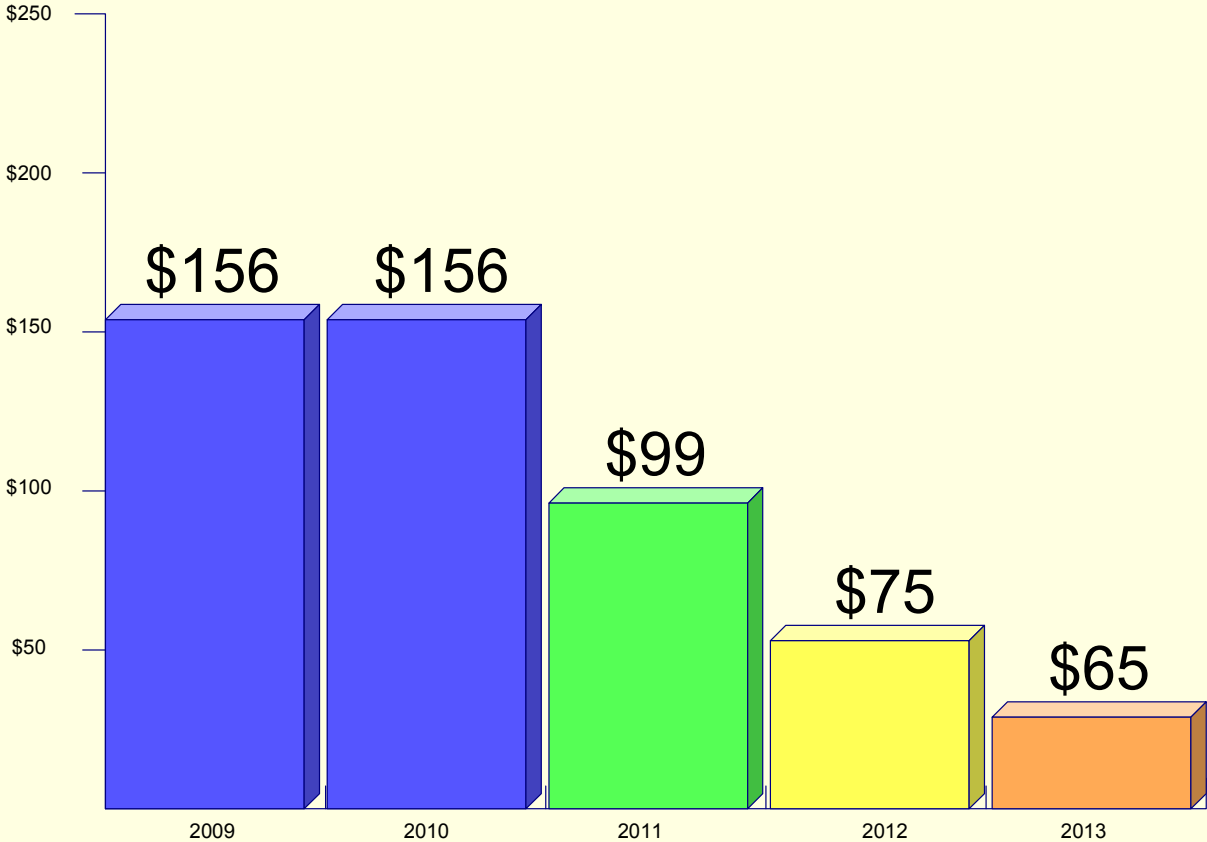
## **According to a study by Gartner:**

(TCO Comparison of PCs with Server-Based Computing, June 2006) thin client TCO annual savings have been measured as high as:

- 79% less downtime cost per user
- 16% capital cost savings
- 34% less in maintenance
- 19% less to operate
- 48% overall lower total cost savings**

# ADOA Per Month Cost Per Seat

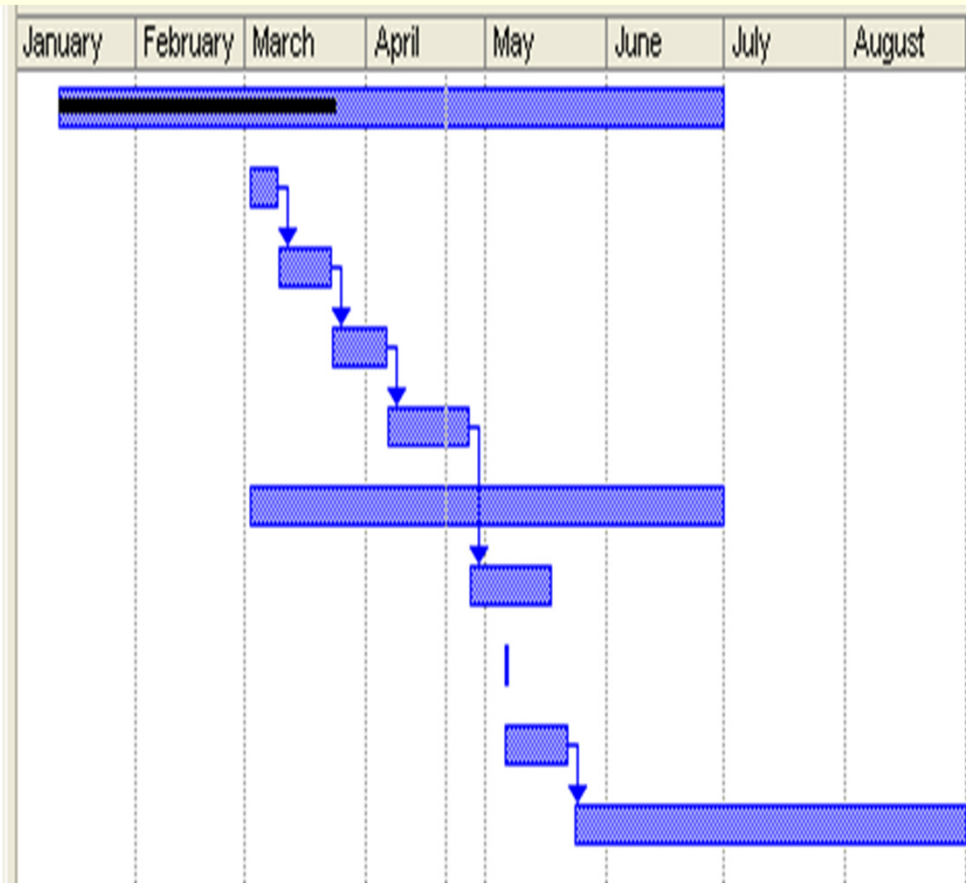
Cost Savings Estimate Per Seat



# Timeline to Build (VGTC)

## Timeline:

	Task Name
1	Requirements Gathering and Planning
2	High Level Design (Network, Security, Storage)
3	Low Level Design (Servers, Thin Clients, Mobil)
4	HW and SW Implementation
5	Image Development and Presentation
6	Knowledge Transfer of Virtual Desktop Support
7	User Acceptance Testing
8	Next Phase Go-No-Go
9	ADOA Virtual Desktop Design, and Development
10	Deployment
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# Timeline VGTC next two years

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**2010**

**2011**

**2012**

**Demo existing technology on state contract not yet fully deployed**

**Your Ideas are most welcome!**

**Add new releases of licensed software (ie. MS Office 2010)**

**Wireless devices (ie. IPad, Laptops)**

**WIFI possibilities (soft phones, Unified Com.)**

**Mobile Applications (gov. self service)**

# Proposed Champions

<b>Division</b>	<b>Name</b>	<b>Phone</b>	<b>E-Mail</b>
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GRRC	Allen Malenowski	542.2017	<a href="mailto:allen.malanowski@azdoa.gov"><u>allen.malanowski@azdoa.gov</u></a>

# Arizona Government Desktop Virtualization Licenses

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- ADOT – 2,000 Licenses
- ADES – 5,000 Licenses
- ASU – 1,000 Licenses
- AG's Office – 300 Licenses
- ADOA – 600 Licenses
- GITA – 5 Pending
- AHCCCS – TBD
- LAND – TBD

# VGTC - Location for two years

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The Virtual Government Technology Center location:

**Arizona State Capitol Mall  
Department of Administration  
100 N. 15th Avenue Suite 400  
Phoenix, AZ 85007**

*You are welcome to come take a tour.*

# Q & A

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*“The virtual desktop revolution is here...”*



*[www.isd.azdoa.gov](http://www.isd.azdoa.gov)*