
ERP TECH

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Emerging Technologies in Manufacturing

Modern VDI and Delivering
Your Applications

Jerry Hook
CTO



Innovative Consulting Group
www.ICGTechnology.com

Agenda



Introduction



ICG's Approach & Value We Deliver



Say Goodbye to Desktops



Discussion & Next Steps

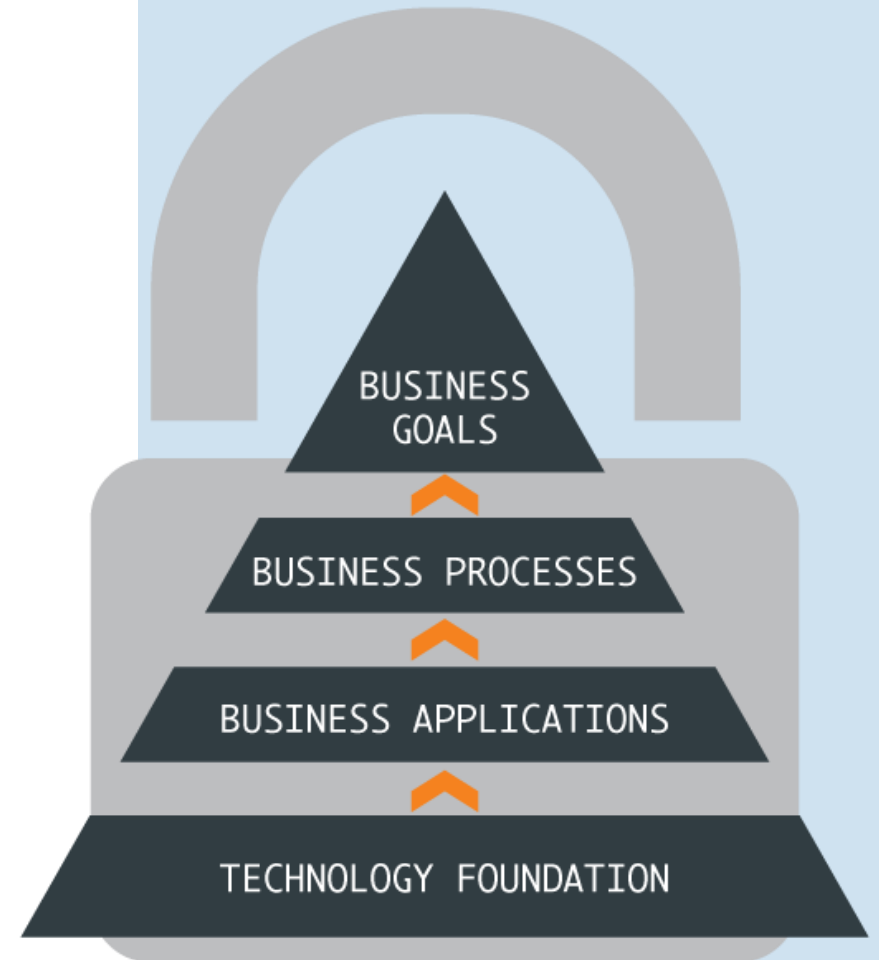
The ICG Approach

OUR MISSION:

Deliver innovative and reliable business and technology solutions that exceed our client's expectations, resulting in reduced cost, improved efficiency, and a guaranteed ROI.

OUR VISION:

Enable enterprises of all sizes to leverage technology for business growth and success.



Value We Deliver

ERP SOLUTIONS

One-Stop Shop for Fourth Shift, VISUAL, Acumatica

- Sell ERP
- Cloud Hosting
- Implementation
- Optimization
- ERP Upgrades
- Training
- Develop/Customization
- And More!

ICG is uniquely qualified with both IT and ERP under one roof!



IT SERVICES

We Architect & Implement Strategic IT Solutions:

- Managed Services
- Technical Support
- Cybersecurity
- Cloud Infrastructure
- Data Center Infrastructure
- Virtual Desktop Infrastructure
- TSR and Health Checks
- And More!



VDI – The Right Choice for Manufacturing

What is Virtual Desktop Infrastructure (VDI)?

Virtual Desktops are virtualized versions of desktop computing environments all delivered from a central platform. These virtual environments allow users to access their applications, files, and other data from any device with an internet or network connection. ICG specializes in VDI and recommends Citrix, VMware Horizon, and Microsoft Azure Virtual Desktops for our manufacturing and distribution customers. These cloud desktop solutions offer more flexibility and security than traditional PCs.

VDI Strengths

- ❖ FACILITATE BUSINESS CONTINUITY AND DISASTER RECOVERY
- ❖ ENHANCING THE CUSTOMER EXPERIENCE
- ❖ SUPPORTING MOBILE AND REMOTE WORKFORCE. SUPERIOR FOR PLANT OPERATIONS
- ❖ STRENGTHENING COMPLIANCE AND AUDITING
- ❖ ENABLING EFFICIENT IT MANAGEMENT

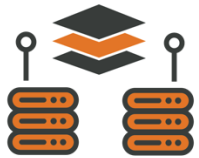


The High Cost of PCs

- Desktops/PC's cost average **1.5x of initial cost in operational support**
- Employee is unable to work when PC crashes until IT can fix or replace
- PC replacement costs are expensive, forcing companies to use them longer than recommended
- Takes time to upgrade applications and security patches
- Data can leave company when user takes laptop home
- PCs are the single highest entry point for cyber attack



THERE IS A BETTER WAY TO DELIVER DESKTOPS AND APPLICATIONS



Move Desktops to a Secure Virtualization Platform

- Private Cloud (CloudFour)
- Public Cloud (Azure, AWS, Google)
- On-Prem (OmniStack (Formerly VMware), Citrix)



Deliver

- Shared Desktop
- Full Virtual Desktop
- Published Application
- Expand on Demand



THERE IS A BETTER WAY TO DELIVER DESKTOPS AND APPLICATIONS

- Full Control and Full Flexibility
- Desktop Pools (Templates)
 - With a pool of desktops if a user has an issue, IT can quickly assign a new desktop from the pool
- Easily Update/Patch systems for whole company
- Cheap Client devices with long lifespan
 - Client Devices secure and minimal overhead
 - Peripherals work without issue
- Improved Security
 - All data and proprietary company data stays inside the Data Center
 - Virtual Server/Desktops easily monitored and managed
 - VDI easily recovered or remediated if compromised
- From Any Device, From Anywhere!
 - Secure Remote and work environment





Securely Deliver Apps

WAYS TO SECURELY DELIVER APPLICATIONS

- Cloud Application (SaaS)
- Client VPN
- Web Based Application
- RDS or VDI Desktop
- Remote Control Software

WHY IS FOURTH SHIFT MORE DIFFICULT TO DELIVER REMOTELY?

- Older Legacy Application
Slow in high latency connections
- Workplace needs to be configured to be accessible direct from Internet



On-Premise, Cloud, or Both?



HOW YOU ACCESS THE APPLICATION DEPENDS ON WHERE IT LIVES

- Cloud Application (SaaS)
- Public Cloud (Azure, AWS)
- Hosted Cloud
- On-Premise
- Mobile

ACCESS TYPES

- Web Browser or Thin Client
- Secure Web/VDI/RDS/VPN
- Secure Web/VDI/RDS/VPN
- Secure Web/VDI/VPN with Full Client or Web
- Mobile App/Secure Web



Benefits of VDI

- VDI gives you the ability to access desktops anywhere on any device
- Keeps data inside the network, increasing security footprint
- Easy to upgrade including moving from Windows 10 to 11
- Consistent interface across multiple devices

Manage Policies for Apps, Data, and More



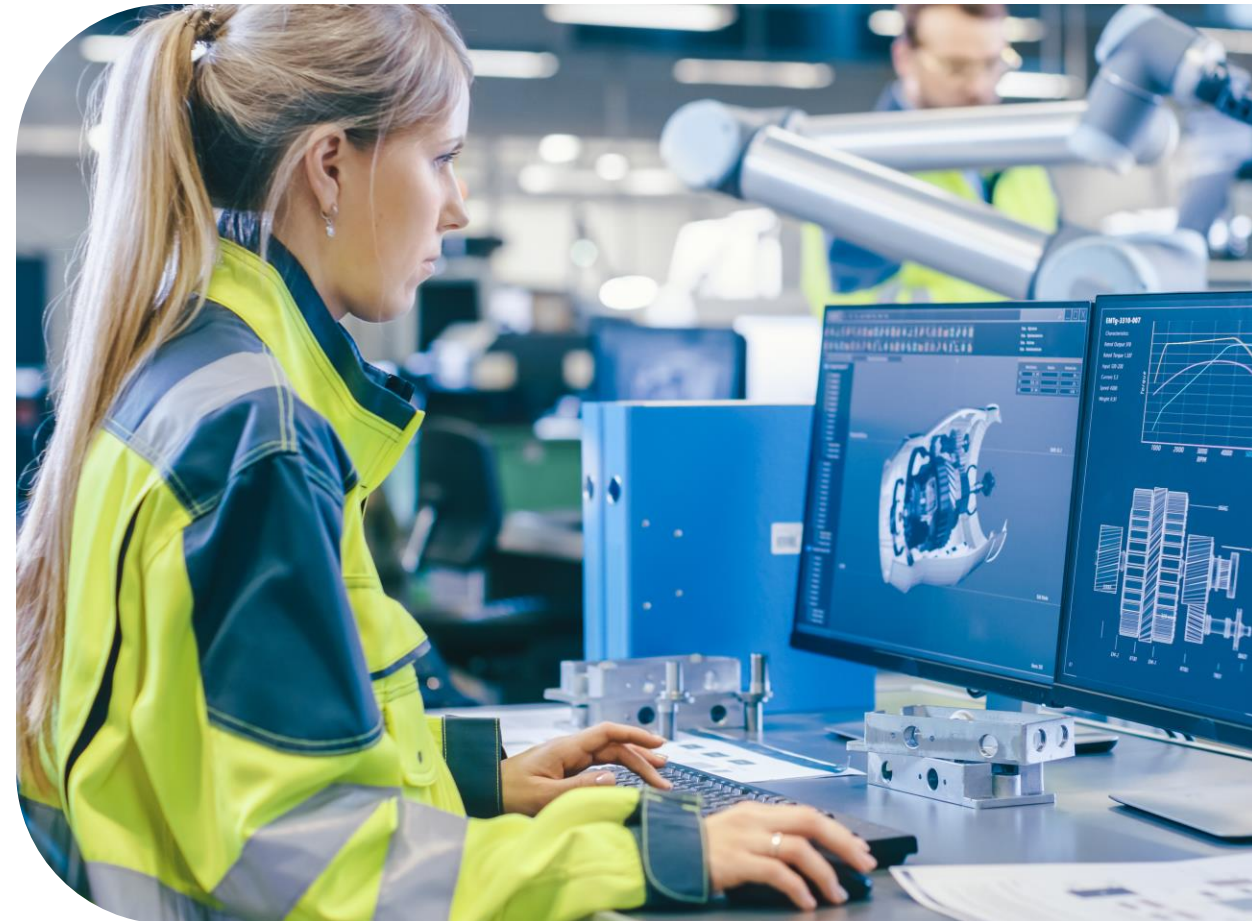
-  Security & Compliance
-  Anywhere Access
-  Multi-Device Access
-  BYOD Mobile Mgmt.
-  Collaboration

Users Access Workloads Across Any Device



Why VDI is the “Right Choice” for Manufacturing?

- **Office Administration**
 - Most Roles don't require a PC
- **Shop Floor**
 - Inexpensive and easy-to-replace clients keep floor running 24/7
 - Harsh environment proven
 - Mobile on the floor
- **Remote Worker**
 - Any client will work
 - keeps corporate data inside corporate network
 - easy for IT to manage
- **Inexpensive Thin Clients**
 - Easy and cost-effective upkeep
 - Little reconfiguration necessary





What Does VDI's Success Depend On?



METHOD AND LEADERSHIP = SUCCESS!

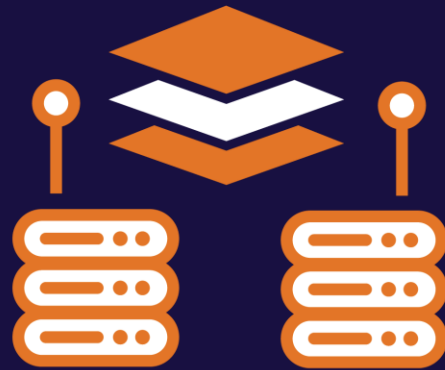
- Experience & Proven Methodology
- Executive Support – Top Down
- Embrace Change
- Make it Fun and Collaborative

ARCHITECT FOR SUCCESS

- Technology Solutioned on business need
- Define User Roles / Workloads
- Develop Test Scripts for IT
- Deploy and Test Internally
- Documentation for Users
- Train and Educate end users
- Conduct “Plugs Out” CRP



Demo of VDI





Discussion and Questions





Thank You!