

# ADVANCED NETWORK CONSULTING, INC.



# ANC

ADVANCED NETWORK CONSULTING, Inc.

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# Corporate Overview

- Small, Minority-Owned, Disadvantaged
- Founded: 2004
- Cage Code: 5DEH3
- DUNS Number: 167248272
- Primary NAICS Codes: 541519
- DC Supply Schedule MOBIS: CW39267
- GSA MAS Contract

## Certifications:

- SBA 8(a)
- District of Columbia CBE
- WMATA/DDOT DBE



The logo for the DC Office of the Chief Technology Officer, featuring the word "octo" in a blue, lowercase, sans-serif font with a green and yellow dot pattern to the left.

DC Office of the  
Chief Technology Officer



DC | DEPARTMENT of  
HUMAN SERVICES



C·D·R·H Center for Devices and  
Radiological Health

The logo for CAI, featuring the letters "CAI" in a large, blue, serif font with a registered trademark symbol.

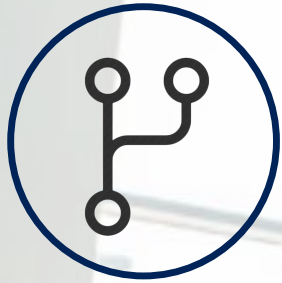
# ANC Clients

## Government

- District of Columbia Office of the Chief Technology Officer
- District of Columbia Office of Child and Family Services
- District of Columbia Office Department of Healthcare Finance
- District of Columbia Office Department of Human Services
- City of Alexandria (VA)
- City of Virginia Beach Chief Information Office
- FDA Center for Devices and Radiological Health

## Commercial

- CAI
- OST
- Booz Allen Hamilton



Network  
Infrastructure



Enterprise  
Security  
Solutions



Program  
Management &  
Strategy

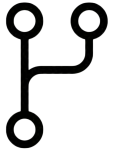


Video & Voice  
Technologies



Digital  
Transformation

# Capabilities



## Network Infrastructure

ANC designs networks to incorporate optimal routing and switching technologies, boost network performance, and maintain high availability for business services. ANC provides optical layer services, specializing in SONET and DWDM design and implementation.



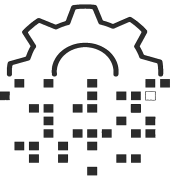
## Enterprise Security Solutions

ANC offers a variety of services to advise and support clients ensuring best practices are in place to protect customer data and infrastructure. Network security specialists provide design and installation of firewalls inherent to network security.



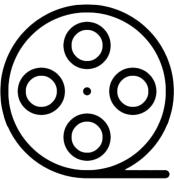
## Program Management and Strategy

ANC provides highly skilled senior management consultants and solutions that are cost-effective with guaranteed productivity and flexibility. Whether an enterprise program office or a rapid response team, ANC has the talent to lead.



## Digital Transformation

Our subject matter experts design and deliver intuitive and engaging systems that replace antiquated or manual process with technology while delivering a seamless, responsive user experience with minimal transition time.



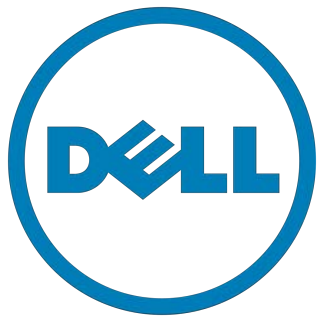
## Video & Voice Technologies

Video streaming and recording systems for large-scale enterprises. Services include design, installation, and equipment for Internet Protocol Television (IPTV), providing distributed television over an IP network. Our voice engineers provide large-scale design and implementation of voice networks employing Voice over IP (VoIP) technologies.



# ANC Reseller Partnerships

ANC hardware and software partnerships expand our reach and client success. Enterprise purchases, mid-size, and micro-purchases may be made through ANC as well as system integration services.

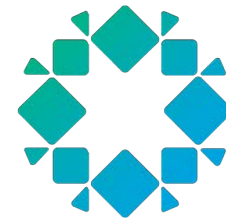


vmware<sup>®</sup>

carahsoft<sup>®</sup>



redhat<sup>®</sup>



rubrik

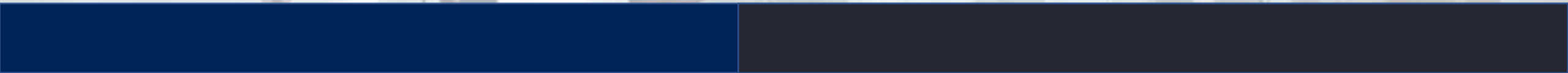
**Hewlett Packard  
Enterprise**

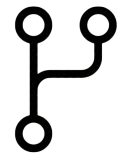
COHE<sup>S</sup>ITY

**nclave<sup>®</sup>**  
Networks, Incorporated



# Past Performance Examples





# Network Infrastructure



**Client:** District of Columbia Government (DC) Office of the Chief Technology Officer (OCTO)

**Challenge:** The DC city-wide network lacked connectivity between city agencies and departments located in over 600 buildings. DC sought to build a Multiprotocol Label Switching (MPLS) network enabling collaborative connectivity through integrated inter & intranet, email services and a freely accessible wireless network for the use of agency-specific applications. Once complete, the District sought nearly perfect uptime and full redundancy of systems through the additional requirement of two data centers.

**Solution/Services Provided by ANC:** ANC architects and systems engineers designed and implemented resilient wide area network technology. In addition, our team utilized superior program and project management coordinating multiple DC government agencies, application and technical vendors and technical staff to mobilize, build, implement and run a more flexible and resilient system of networks. ANC's Network Architect completed a state-of-the-art design and implementation of two fully redundant data centers providing the City with 99.999% resiliency outperforming solutions offered by third party vendors.

**Result:** The MPLS network allowed citizens fast, virtual access to city resources. Residents were able to access government applications from the cloud. This opened doors for many residents who may not have the means to physically go to a government office. It also produced a cost savings to the government by allowing residents quick and efficient access to services online. In addition, through the data center solution, DC services were made available nearly 100% of the time and remain in operation today.



# Enterprise Security Solutions

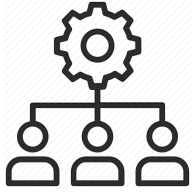


**Client:** City of Virginia Beach

**Challenge:** The City of Virginia Beach sought critical expertise regarding the configuration of its network security posture. The requirement included a rapid analysis as well as a clearly defined implementation plan.

**Solution/Services Provided by ANC:** ANC conducted external and internal penetration testing. Services included a vulnerability assessment, risk evaluation and remediation report as well as an assessment of the City's information security implementation.

**Result:** ANC was able to exploit the critical vulnerabilities on the network and internal/external database and applications. ANC worked with the City to remediate found issues to avoid potential future cyber attacks on the city. The City Manager and CIO requested ANC to engage with more advanced security design and implementation.



# Program Management & Strategy

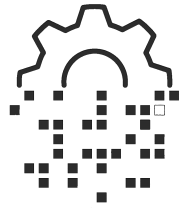


**Client:** Food and Drug Administration (FDA) Center for Devices and Radiological Health (CDRH)

**Challenge:** CDRH required expert program management and logistics support for FDA's ongoing response to the COVID-19 pandemic. Expertise was needed to analyze logistics related to supply chain management, procurement and distribution of medical supplies and devices and shortage assessment and mitigation. The challenge was to improve COVID response medical device regulation as it related to supply chain management.

**Solution/Services Provided by ANC:** ANC Program Managers and supply chain SMEs rapidly joined the CDRH team to evaluate and improve FDA supply chain management processes. ANC supported the development of new processes and operating models and provided expert counsel regarding privacy and protection policy.

**Result:** Our unique combination of process, program and supply chain expertise accelerated CDRH's ability to respond to the COVID pandemic.



# Digital Transformation

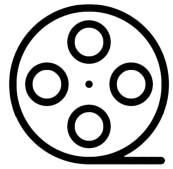


**Client:** City of Virginia Beach

**Challenge:** The City of Virginia Beach experienced a surge in population and was finding it difficult to effectively manage more than 1400 information technology devices and provide the necessary maintenance and procurement support as well as needed to provide faster and better service delivery. In addition, City leadership was seeking improved service levels, increased efficiency and lower support costs.

**ANC Solution:** ANC provided project management and technical consulting services to design and implement the enterprise IT service management solution, ServiceNow. ServiceNow discovered, managed and provided troubleshooting to existing devices. It also enabled easy access to the IT organization's goods and services catalog and knowledge management base for user-driven ordering and problem solving, decreasing the need for IT organization involvement.

**Result:** Efficiencies, expediency, and cost savings were gained because through ServiceNow, technicians had remote access to quickly support end users with technical issues, software upgrades, and hardware replacements.



# Video & Voice Technology Solutions



## **IPTV Design and Installation**

ANC delivered a turnkey vBrick IPTV solution that included a 17-channel system providing distributed television over our client's IP network. The CATV/SAT set-top boxes (i.e. Comcast/ Verizon, etc.) were encoded to IP video streams and distributed across multiple locations in the customer's building. As a result, users were able to view channels through either set-top decoders connected to televisions, or via a web portal that could be accessed from PCs and wireless devices such as smart phones and tablets.

## **Conference Room VTC Solution**

ANC designed and implemented VTC solutions for multiple conference rooms providing PC presentation and latest audio/video conferencing technologies. At project completion, the rooms displayed PC images from floor-mounted PC input plates, provided large-format display of presentations and video conference calls, and included a wireless touch panel controller with an in-wall docking station for user operation of presentations and audio/video conferences.

## **Security Operations Center VTC Solution**

ANC provided a complete Audio/Visual, Video Teleconferencing (VTC) solution for an enterprise Security Operations Center (SOC) that included equipment, design, implementation, and integration. The solution provided audio/visual, video teleconferencing capability with collaboration and advanced control systems. The project modernized the client's video systems with enhanced audio, intuitive user control capability, and collaboration.



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or contact our principal:  
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(703) 863-2218  
[htrinh@ancsweb.com](mailto:htrinh@ancsweb.com)

*ANC provides services that **advance our customers.**  
Our standards are high, our management cares  
about customer service, and our technologists  
are among the best in the business.*

*We look forward to sharing  
our expertise with you.*

*-Hoang Trinh  
ANC Founder & President*