



**ANC**  
ADVANCED NETWORK CONSULTING, Inc.

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# Corporate Overview

- SBA 8(a) - Small, Minority-Owned, Disadvantaged
- District of Columbia CBE
- Founded: 2004
- Cage Code: 5DEH3
- Primary NAICS Code: 541519
- DC Supply Schedule  
MOBIS: CW39267  
IT Equipment: CW67780  
Temp Support: CW90568
- GSA MAS Contract
- MD CATS+ Contract

## Certifications





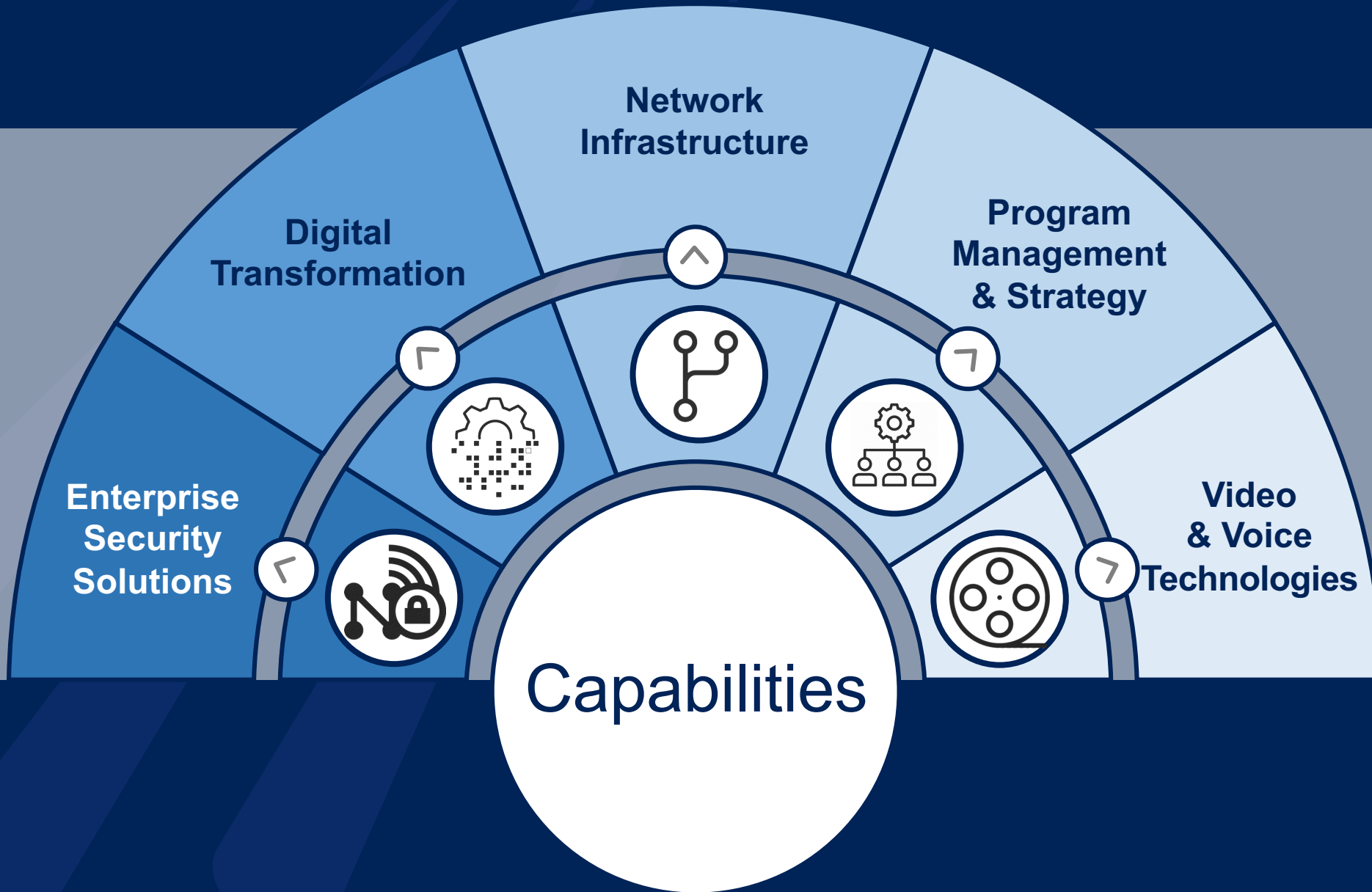
# ANC Clients

Government



Commercial





Capabilities

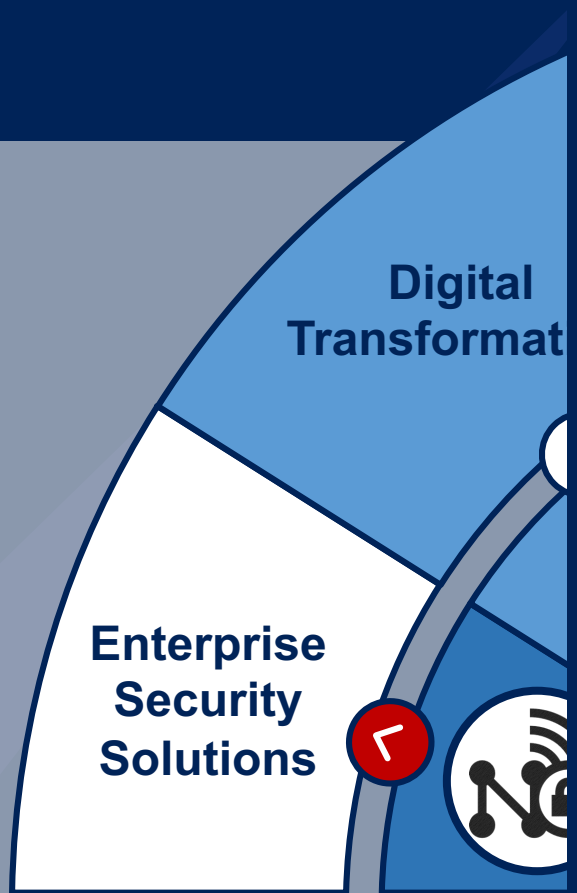
Network Infrastructure

Program Management & Strategy

Video & Voice Technologies

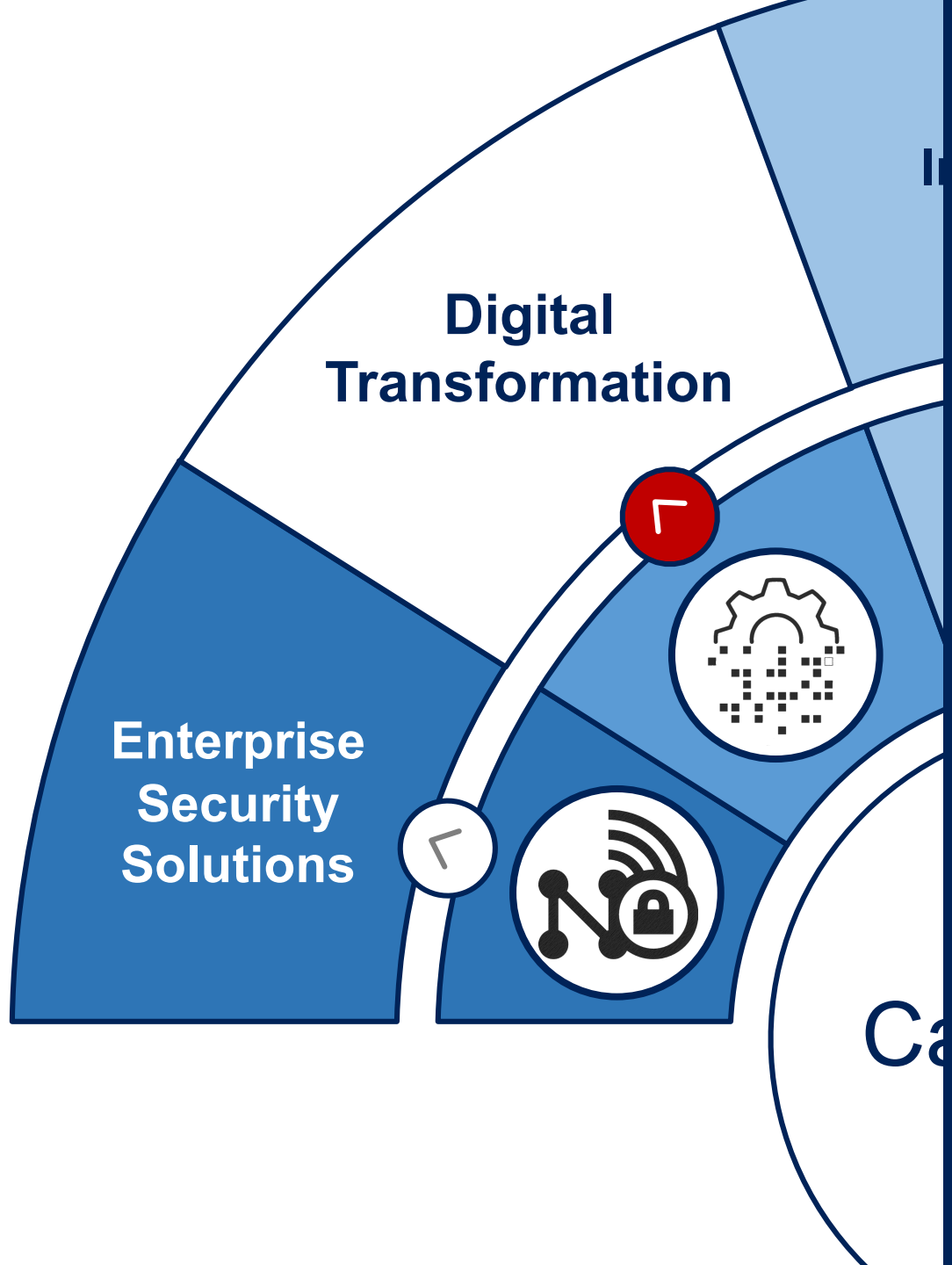
Digital Transformation

Enterprise Security Solutions



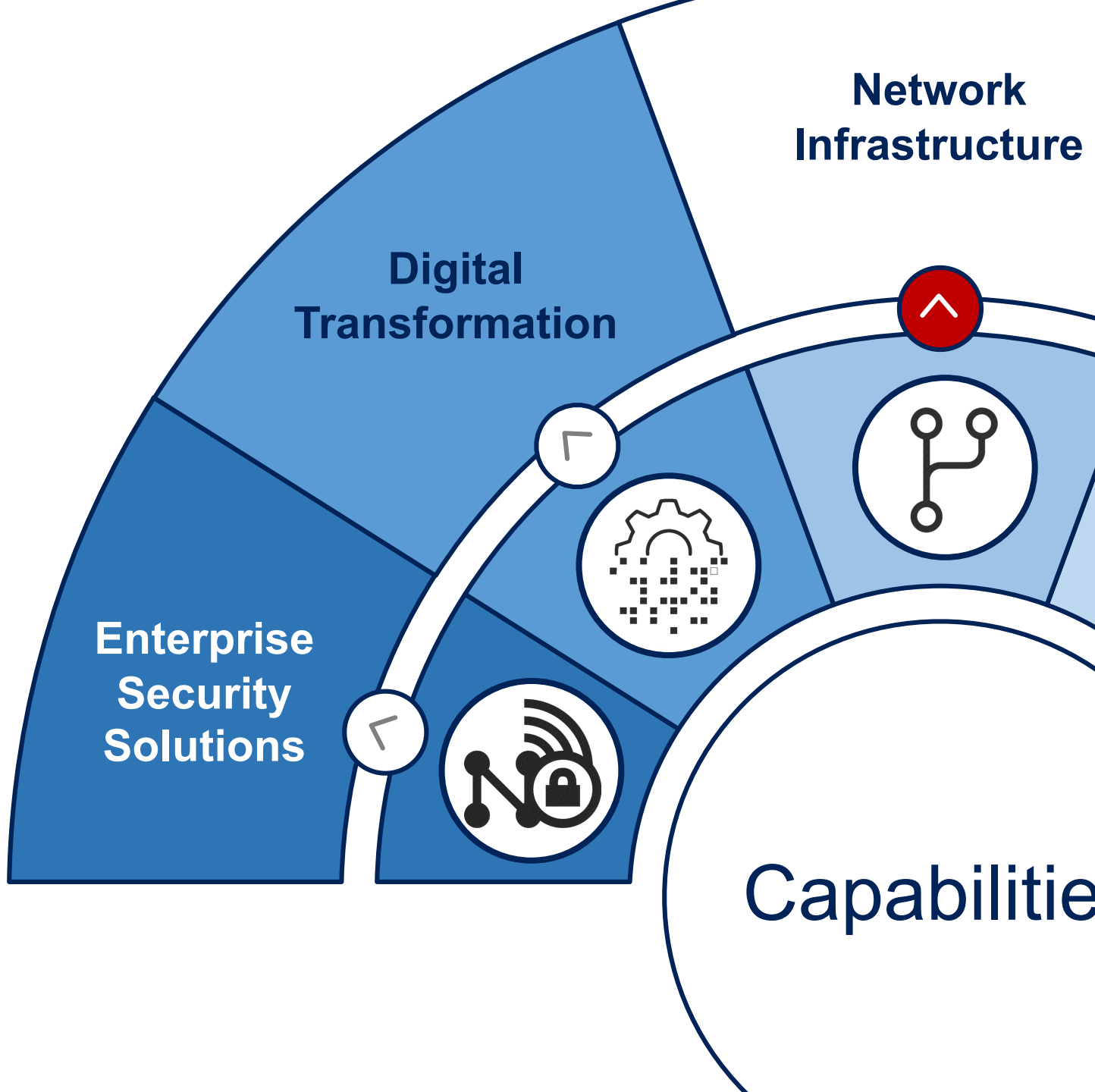
# Enterprise Security Solutions

ANC's cyber and network security services safeguard customer data and infrastructure. Our specialists offer accreditation and authorization (A&A), security controls assessments (SCA) / ongoing security assessments (OSA), CISO consultation, security architecture / SecDevOps, zero trust architecture (ZTA), risk management framework (RMF), penetration testing, vulnerability management, security remediation and operations.



## Digital Transformation

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

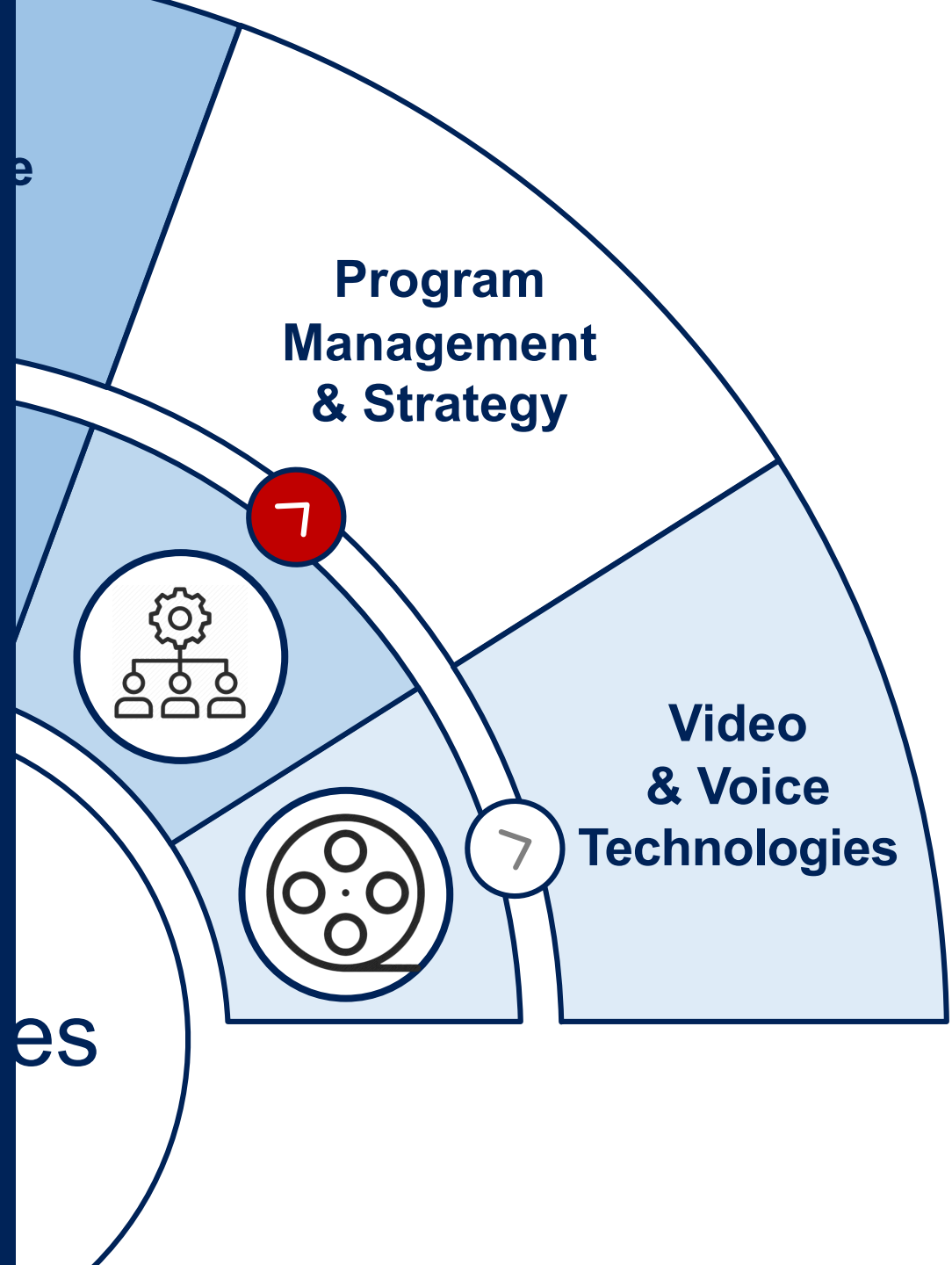


## Network Infrastructure

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.

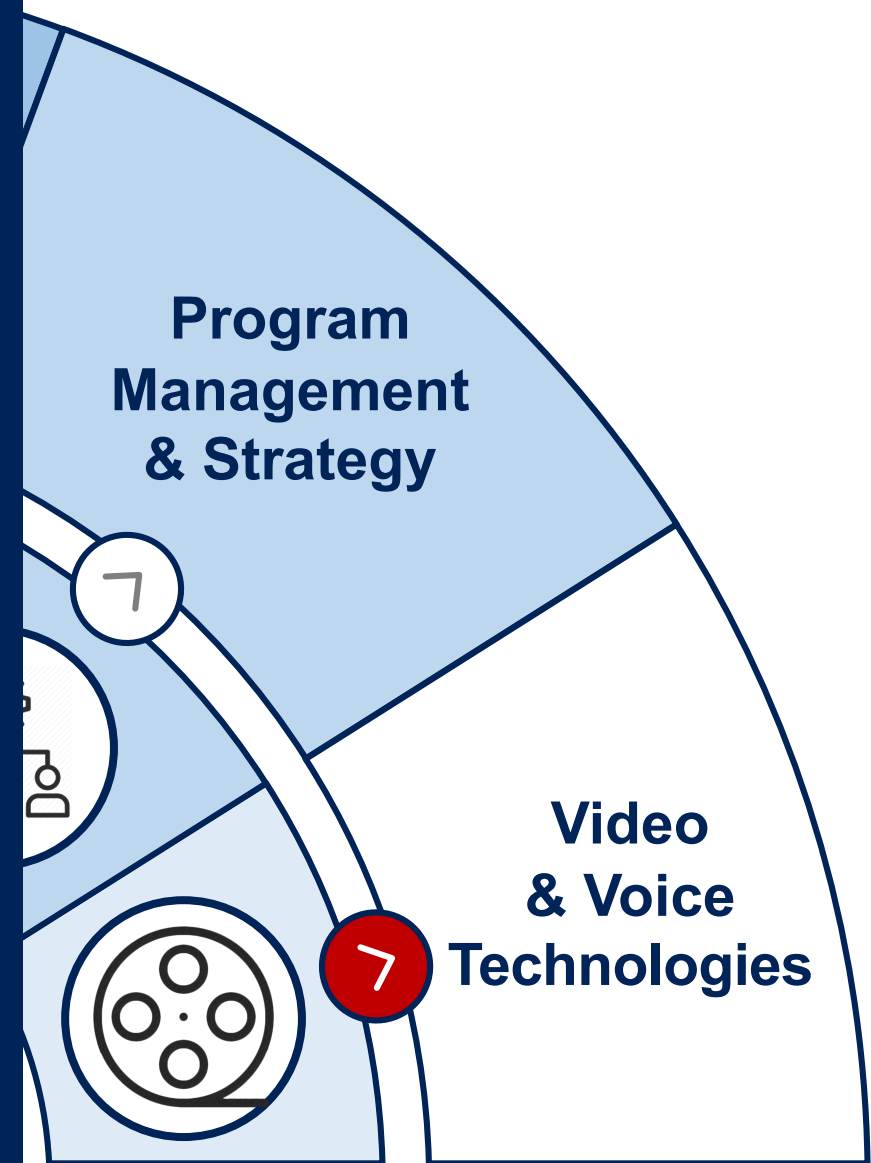
# Program Management and Strategy

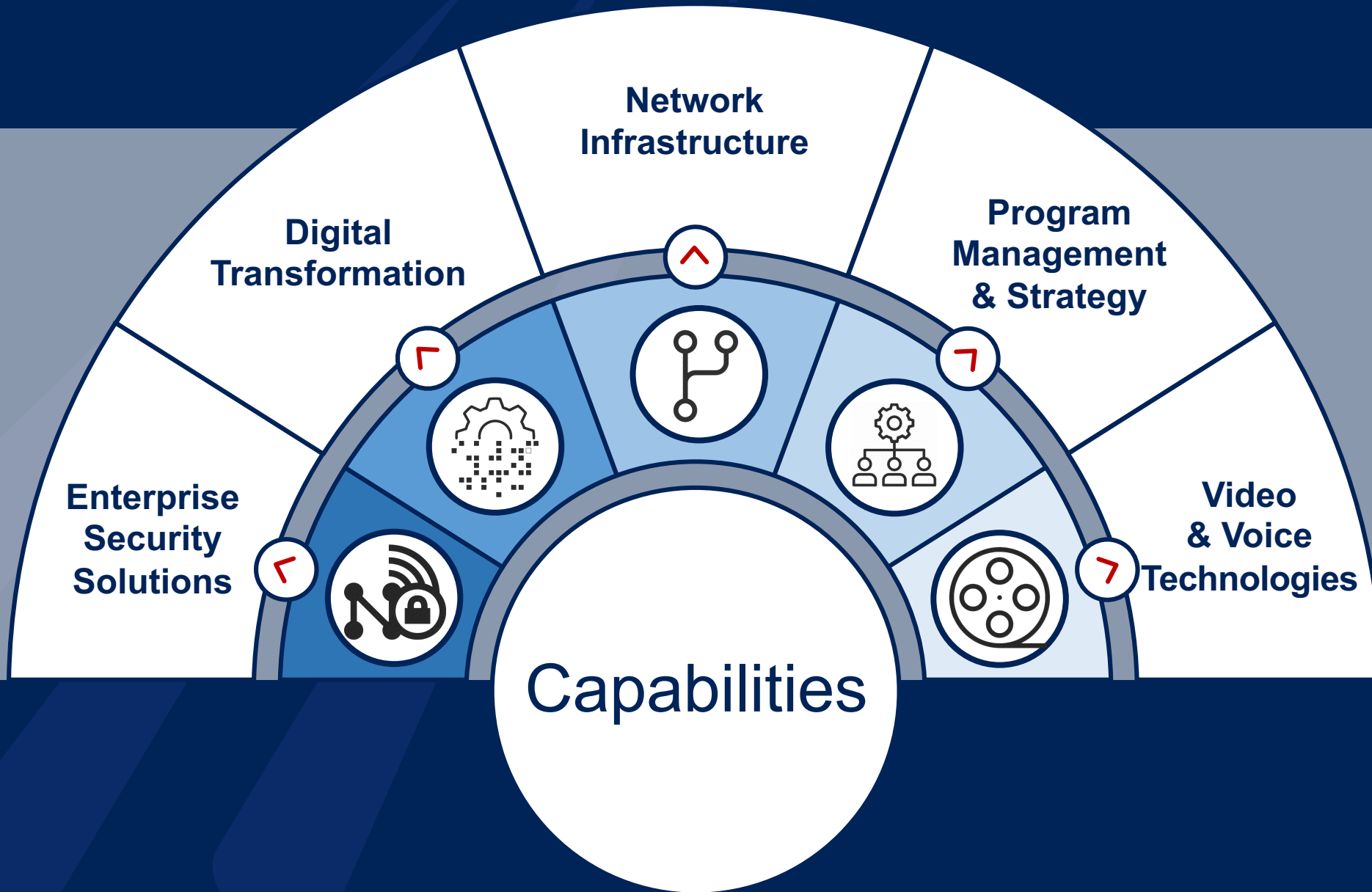
ANC provides highly skilled senior management consultants and solutions that are cost-effective with guaranteed productivity and flexibility. Whether an enterprise program office or a rapid response team, ANC has the talent to lead.



# Video & Voice Technologies

ANC voice and video streaming and recording technologies are designed and built to accommodate the demands of a hybrid working environment. ANC system services include design and implementation of Internet Protocol Television (IPTV) and implementation of voice networks employing Voice over IP (VoIP) technologies.





# Capabilities



## Enterprise Security Solutions

- Safeguard customer data and infrastructure
- Security Remediation and Operations
- Accreditation and authorization (A&A)
- Security controls assessments (SCA)
- Ongoing security assessments (OSA)
- CISO consultation
- Security architecture
- SecDevOps
- Zero trust architecture (ZTA)
- Risk management framework (RMF)
- Penetration testing
- Vulnerability management



## Digital Transformation

- Intuitive and engaging systems
- Seamless, responsive user experience
- Minimal transition time
- ServiceNow expertise



## Network Infrastructure

- Optimal routing and switching technologies
- Boost network performance
- Maintain high availability for business services
- Optical layer services specializing in SONET, DWDM, MPLS design and implementation



## 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.



## Video & Voice Technologies

- Voice and video streaming and recording technologies are designed and built to accommodate the demands of a hybrid working environment
- Design and implementation of Internet Protocol Television (IPTV)
- Implementation of voice networks employing Voice over IP (VoIP) technologies



# Enterprise Security Solutions



|  |  |
|--|--|
| Security Policy & Compliance                         | ANC ensures that your organization has all the necessary security policies written and implemented to comply with industry standards and best practices.   |
| Privacy Compliance & Assessment                      | Fortify the security of your Personal Identifiable Information (PII) while ensuring strict adherence to industry standards. Conduct comprehensive Privacy Threshold and Impact Analyses alongside rigorous Privacy Control Assessments, following NIST guidelines. |
| Vulnerability Scanning & Remediation / Patching      | Continuous and automated scanning of your entire network and applications. Risk based vulnerability remediation prioritization and patching.   |
| Network, Application & IoT Penetration Testing       | Our engineers secure your internal, external, wireless, IoT and mainframe networks and measure your detective controls with customizable procedures run by our manual pentesting teams.  |
| Cloud Security Assessments                           | Secure your PAAS, IAAS, SAAS in your AWS, Azure, and Google cloud infrastructures.   |
| Security Architecture                                | Implement models, methods, and security principles that align with your objectives, keeping your organization safe from cyber threats.   |
| Risk Management & Continuous Monitoring              | Identify, categorize, prioritize and remediate IT and business risk/vulnerabilities. Perform continuous security assessments to ensure the efficacy of security controls.  |
| Security Operations Center (SOC) / Incident Response | Detect, block and respond to security incidents. Monitor your entire IT infrastructure, 24/7, to detect cybersecurity events in real time and address them as quickly and effectively as possible.   |



# Enterprise Security Solutions



|                                   |   |
|-----------------------------------|---|
| DevSecOps                         | Incorporate security from the beginning of the software development lifecycle. Ensure applications deploy into production with less vulnerabilities and spend less time on security assessments.  |
| Cybersecurity Maturity Assessment | Our experts evaluate your cybersecurity readiness, identifying strengths and weaknesses in its security posture to guide improvements and enhance overall resilience against cyber threats. Define prioritized steps to advance your security program.    |
| Secure Code Review                | Find application security vulnerabilities with SAST, SCR, triaging, and training.   |
| Red Team                          | Simulate real-world cyberattacks, employing advanced tactics, techniques, and procedures to assess your vulnerabilities and security measures, helping identify weaknesses and enhance defense strategies.  |
| Phishing / Social Engineering     | Conduct email, phone, or physical security social engineering tests.  |
| Security Awareness & Training     | Implement formal processes for educating employees and third-party stakeholders, like contractors and business partners, on how to protect your computer systems, along with your data, people and other assets from internet-based threats or criminals. |
| Security Engineering              | Security Engineering (Tenable, Qualys, Splunk, HCL Appscan, Netsparker, Burp Suite, Cisco FW, Routers & Switches, Juniper, Citrix, Palo Alto, McAfee, ServiceNow, SharePoint, CSAM Custom Scripts, and more.  |



# Digital Transformation



Data Analytics and Business Intelligence

Create data-driven strategies, uncover valuable insights, and drive business growth through intelligent reporting and visualization.

Digital Process Automation (DPA)

Streamline operations and reduce manual tasks by implementing DPA solutions. Enhance efficiency, reduce errors, and accelerate processes to deliver superior customer experiences.

Cloud Migration and Optimization

Seamlessly transition your IT infrastructure to the cloud, improving scalability, flexibility, and cost-efficiency. Optimize cloud resources to enhance performance, security, and ensure alignment with business objectives.

Blockchain Solutions

Enhance trust and transparency in your business transactions through blockchain technology. Implement secure, immutable ledgers for supply chain, finance, and other critical applications, reducing fraud and errors.

AI and Machine Learning Integration

Leverage AI and machine learning to gain predictive insights, automate routine tasks, and enhance customer interactions. Implement personalized recommendations, chatbots, and predictive maintenance for competitive advantage.

Application Development

Our end-to-end services provide industry and technology expertise, solutions, frameworks, and tools to enable our clients to drive business agility, competitive advantage, transformation, and cost efficiencies.

ServiceNow Expertise

ANC ServiceNow experts design solutions that enable organizations to streamline and automate workflows, manage service requests, incidents, and assets, fostering collaboration across departments. Our solutions create a unified platform for workflow management and enhance overall organizational productivity.



# Network Infrastructure



|                                   |   |
|-----------------------------------|---|
| Assessment                        | A detailed analysis of network performance, identifying strengths, weaknesses, and obstacles. Comprehensive assessments which provide operational, tactical, and strategic insights to make informed decisions for optimizing your network design.                    |
| Design                            | Expert engineering to design scalable, secure, and reliable network solutions that align with your business goals. A forward-thinking approach ensures data integrity and operational excellence, promoting growth and flexibility.                                   |
| Implementation                    | Careful and rigorous implementation of proven solutions. Comprehensive pre-deployment verification and testing process ensures alignment with design objectives. The outcome is a highly reliable network solution you can trust implicitly.                          |
| Wireless                          | Our meticulously engineered wireless solutions prioritize availability, scalability, and uncompromising security, ensuring your business stays at the forefront of technological innovation.  |
| IP Telephony (VoIP)               | Designs that seamlessly run voice and data communications over a single consolidated network significantly reducing infrastructure and maintenance costs while optimizing security.   |
| Service Desk & Operations Support | Enterprise-wide Tier-I, II, III level Service Desk and Operations support across various federal customers including a wide range of Help Desk support ranging from general user support, mission-critical system support, to application-specific targeted services. |



# Program Management & Strategy



Strategic IT Roadmap Development

Our SMEs develop comprehensive IT strategy aligned with your business goals, providing a clear path for technology adoption and growth by analyzing your organization's needs, current infrastructure, and industry trends to develop a tailored roadmap.

Program and Project Management

Implement robust governance frameworks to manage and oversee complex IT programs, ensuring they remain on track and within budget and that stakeholders receive the proper support. Our team provides transparency, risk mitigation, and efficient decision-making throughout the program lifecycle.

IT Portfolio Management

Optimize your IT investments by strategically managing and prioritizing projects and resources. Align your IT portfolio with your organization's objectives, maximizing value and minimizing waste.

Change Management and Adoption Strategies

Facilitate smooth transitions through effective change management plans. Our consultants create user-centric adoption strategies to minimize resistance and maximize the benefits of new technologies.

Technology Assessment and Vendor Evaluation

Assess your current technology stack and assist in selecting the right vendors and solutions to meet your business needs. Our experts conduct in-depth evaluations to identify the best-fit technologies and vendors for your specific requirements.

Performance Measurement and KPI Development.

Define key performance indicators (KPIs) and metrics to measure the success of your IT programs and strategy. We establish a data-driven approach to monitor progress and make data-informed decisions for continuous improvement.

Quality Assurance

Our Quality Assurance expertise ensure rigorous scrutiny and meticulous oversight throughout the product lifecycle, guaranteeing the delivery of superior quality and compliance with industry standards.



# Video & Voice Technologies



## Unified Communications Integration

Seamlessly integrate video and voice solutions into your communication infrastructure, enabling hybrid and virtual workforces to collaborate efficiently. Our experts design custom UC solutions that enhance remote team interactions while optimizing in-office communication.

## Video Conferencing Solutions

Implement robust video conferencing systems that promote effective communication across remote and on-site teams, ensuring a seamless meeting experience for all employees.

## Voice Over IP (VoIP) Implementation

Upgrade your voice systems to VoIP for cost-effective, high-quality communication that suits both in-office and remote work settings.

## Virtual Collaboration Tools

Deploy virtual collaboration platforms that facilitate real-time document sharing, chat, and project management, fostering collaboration among remote and in-office teams. We customize virtual tools to accommodate hybrid work models, promoting productivity and knowledge sharing.

## Audio and Video Quality Optimization

Our experts ensure exceptional A/V quality by assessing and optimizing your network infrastructure. We fine-tune your technology stack to provide a seamless experience, especially crucial for hybrid workforces relying on video and voice technology.

## Security and Compliance for Voice and Video

Implement robust security measures and compliance protocols to protect sensitive data transmitted through voice and video channels. Our solutions address cybersecurity concerns while maintaining regulatory compliance, vital for hybrid work environments where data security is paramount.



# 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.



rubrik

vmware®

carahsoft®



redhat®



VERITAS®

NETBACKUP



VARONIS

COHE5ITY



onclave®

Networks, Incorporated



# PAST PERFORMANCE

## Examples

# Enterprise Security Solutions

Client: City of Virginia Beach



## Challenge

The City of Virginia Beach had an urgent need for expert advice to optimize configuration of its network security posture in a short period of time.



## 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.

# Digital Transformation – ServiceNow

Client: City of Virginia Beach



## Challenge

Virginia Beach faced challenges managing over 1400 IT devices amid a population surge. The CIO aimed for faster, better service delivery. City leadership sought improved service levels, efficiency, and reduced support costs.



## Solution/Services Provided by ANC

ANC implemented ServiceNow for enterprise IT service management. This facilitated device discovery, management, and troubleshooting. It also streamlined access to the IT goods and services catalog and knowledge base, reducing IT involvement in user-driven ordering and problem-solving.



## Result

ServiceNow technicians had remote access to quickly support end users with technical issues, software upgrades, and hardware replacements creating efficiency, expediency and cost savings.

# Digital Transformation – ServiceNow



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



## Challenge

OCTO utilized a manual process for document approvals that relied on the email of individual employees to pass documents to required stakeholders. This resulted in inconsistencies in the document formats, an inability to determine and track roadblocks, and no audit trail.



## Solution/Services Provided by ANC

ANC leveraged ServiceNow to create and manage an automated document approval process which utilized contract templates for consistency.



## Result

The automated document workflow is managed within ServiceNow and is no longer dependent on an employee's email for approvals, tracking, or auditing resulting in decreased approval time, a consistent user experience and robust reporting capability.

# Network Infrastructure



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



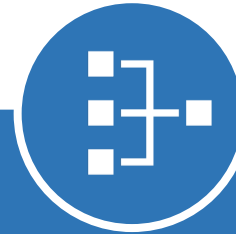
## Challenge

DC aimed to establish a Multiprotocol Label Switching (MPLS) network across 600 buildings to enhance inter-agency connectivity. The network would integrate inter and intranet services, email, and provide a freely accessible wireless network for agency-specific applications. To ensure reliability, the District required nearly perfect uptime and full redundancy, necessitating two data centers.



## Solution/Services Provided by ANC

ANC deployed resilient wide area network technology, coordinating multiple DC government agencies, vendors, and staff. This included the design and implementation of two fully redundant data centers, achieving 99.999% resiliency, surpassing third-party vendor solutions.



## Result

The MPLS network provided fast virtual access to city resources, enabling residents to access government applications from the cloud. This resulted in cost savings and improved accessibility for residents. Additionally, the data center solution ensured DC services remained operational nearly 100% of the time.

# Program Management & Strategy



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



## Challenge

CDRH required program management and logistics expertise for FDA's COVID-19 response, focusing on supply chain management for medical devices. The challenge was to enhance regulation and address shortages.



## Solution/Services Provided by ANC

ANC Program Managers and supply chain SMEs swiftly collaborated with CDRH to enhance FDA's supply chain management, developing new processes and operating models. Expert counsel was provided on 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.

# Video & Voice Technology Solutions



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



## IPTV Design and Installation:

ANC provided a comprehensive vBrick IPTV solution, enabling distributed television over the client's IP network. CATV/SAT set-top boxes were encoded to IP video streams and distributed across multiple locations. Users accessed channels through set-top decoders or a web portal on PCs, smartphones, and tablets.



## Conference Room VTC Solution:

ANC implemented VTC solutions in multiple conference rooms, offering PC presentation and advanced audio/video conferencing technologies for hybrid work environments. The rooms featured floor-mounted PC input plates, large-format displays, and wireless touch panel controllers with in-wall docking stations for seamless user operation.



## Security Operations Center VTC Solution:

ANC delivered a comprehensive Audio/Visual, Video Teleconferencing (VTC) solution for an enterprise Security Operations Center (SOC), covering equipment, design, implementation, and integration. The solution offered enhanced audio, intuitive user control, collaboration features, and modernized video systems for the client.

“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



To learn more about ANC,  
visit our website

**[WWW.ANCWEB.COM](http://WWW.ANCWEB.COM)**

Or contact our principal:  
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