



Tygart Technology, Inc. is a small business providing biometric and information technology solutions to the federal government for over 25 years.

## **Biometric Solutions**

Tygart developed, MXSERVER™, a cloud-based, scalable, multi-modal biometric search engine. MXSERVER™ processes vast amounts of video and photo collections into searchable resources. MXSERVER is enabling forensic examiners, intelligence analysts, law enforcement investigators and security personnel to:

- Automatically extract and index faces enabling video and photo repositories to be searched biometrically or via metadata.
- Create and manage a web-based watch list of persons of interest (such as known or suspected terrorists).
- Identify a person of interest using face recognition.
- Find instances of photos and videos where a person of interest has been seen and quickly review and exploit these video and photo collections to identify, locate, and track persons of interest, their associates and their activities.
- Discover, document and view linkages and associations (cross correlations) between persons of interest, their activities and their networks.
- Automatically monitor video surveillance footage and other video for instances of persons of interest.
- Automatically receive notifications when new information of interest is discovered.
- Mobile identification using face recognition.
- Social media exploitation using face detection and face recognition.

## **IT Services**

Tygart provides service performance to support our customers' missions with a wide range of IT services including:

### **Systems and Software Development and Engineering**

- Enterprise class solution development in Agile/DEVOPS environments
- Biometric solutions development and support
- Implementation of Cloud-based computing environments
- Big Data analysis, management, and development
- Business Intelligence solution implementation, including metric derivation/evaluation, and dashboard/report creation

### **Infrastructure Modernization**

- Technology Refresh, including desktop, platforms, and applications
- Systems virtualization and rationalization, including cloud-based architectures
- Solutions for Mobile government
- Organizational transformation and adoption

### **Security Engineering (Cyber Security)**

- Solution engineering and implementation for control enforcement
- Industry Guidance and Directive compliance and implementation (NIST, DISA, CIS, etc.)
- Information Assurance and Data Protection
- Policy and procedure development aligning solutions with control guidance
- Audit Support, vulnerability assessments, and alternatives analyses

### **Management and Technical Consulting**

- Systems engineering and enterprise management support services
- IT Portfolio oversight and management
- Program and Project Management Office (PMO) establishment and execution
- Business Process and Policy analysis and transformation