



Biometric Solutions

DELIVERING ABSOLUTE ASSURANCE

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For more than two decades, Leidos has been a leader in biometric-based identity solutions. Whether it's large-scale systems integration, design and development of advanced products, or technical evaluations, we've played an active role in programs that are critical to the safety of citizens, the facilitation of commerce, and the security of nations.

Our highly skilled and experienced team takes a big-picture approach—seamlessly integrating the best in biometric technology to deliver absolute identity assurance.

MISSION-CRITICAL SYSTEMS

From identifying persons of interest to vetting individuals for employment and access control, Leidos understands the power of using a person's unique identity to secure critical missions.

We delivered the largest information technology program ever for the U.S. Department of Justice—the FBI's Next Generation Identification (NGI) program. State, local, federal and tribal authorities rely on this state-of-the-art, multimodal biometric identification system to identify bad actors and keep citizens safe. Working together, the FBI and Leidos delivered NGI on scope, on cost and on schedule.

We supported the Transportation Security Administration with enrolling, vetting, and credentialing over 2.4 million maritime port workers across all U.S. states and territories.

Success on mission-critical programs begins day one as we collaborate and innovate alongside our customers, offering the right people and processes to perform with excellence.



IDENTIFICATION AS A SERVICE

Biometrics can enable time-sensitive, operations-critical identity assurance. Organizations already using biometrics are being asked to deliver more capability in less time and at a more affordable cost—all while maintaining performance. Those considering biometrics face the additional challenge of establishing initial capability to produce early positive results.

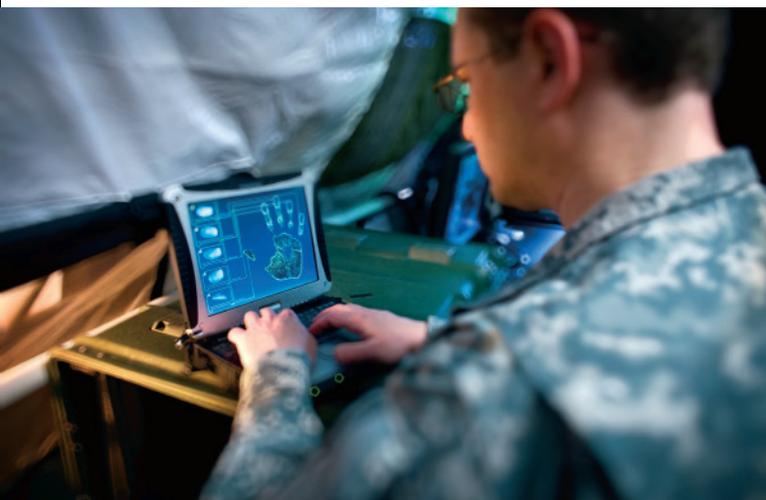
Whether the mission is to facilitate access to government services, administer medicine to the correct patient, issue an ID card, or identify a bad actor, your personnel need the resources to obtain absolute identity assurance.

Leidos's IDHaystackSM solution addresses this need. This service-based, multimodal, biometric storage and matching platform is an open and extensible solution for identification and verification operations. It will be available on our secure government community cloud and can be deployed in a customer-provided cloud environment or traditional server network.

The service is available through either a standard web interface for immediate storage and matching capability or through an applications interface that can be integrated within an existing workflow. In either case, the transaction-based model provides customers with something unattainable today—the ability to balance affordability and desired capability throughout the life cycle of a biometric program.

Our IDHaystackSM solution can accommodate virtually any biometric algorithm. Our cloud-based solution makes it easy to start up or expand, including temporary expansion of the service capability for bulk ingest or re-characterization of legacy biometric data. The applications interface fully supports integration with capture devices for seamless enrollment and identity verification.

The Leidos IDHaystackSM service is a revolutionary new way to procure and use backend biometric storage and matching capability to support virtually any biometric-enabled operation. A trial version is available supporting face, finger, and iris biometrics.



ADVANCED BIOMETRIC SOLUTIONS

There is no single biometric modality for all missions. As missions evolve, so does the modality mix and the quality of the data. One thing remains constant: Organizations need good biometric data in a broad range of operational scenarios. Leidos has a rich history of developing biometric and forensic technology solutions, starting with a fingerprint algorithm that is still used today.

We've developed an imaging system to visualize latent prints on multiple surfaces in real time and without altering or touching the prints. And, our long-range capture system uses digital holography to capture multiple modalities at greater distances under austere conditions.

Leidos tackles the toughest problems headon to advance state-of-the-art biometric and forensic identity solutions.

BEYOND BIOMETRICS

The volume of information coming from numerous sensors and collection methods requires that identity solutions incorporate non-biometric data. Leidos has significant experience in integrating biometric and non-biometric data to enhance identity determination.

These capabilities will be available as IDHaystackSM extensions:

- ▶ **Biometric Fusion**
Facilitates rapid, high confidence fusion of disparate data source results.
- ▶ **Wisdom**
An operational social media and open source analytics web services that provides all-source data analytics capability to enable risk-based security, intelligence mission and law enforcement investigations.

WORLDWIDE COLLABORATION

Leidos invests millions of dollars each year in a network of world-class laboratories to help define and deliver the future in biometrics and other technologies. Our biometric and forensic technology solutions benefit from a deep pool of resources in nearly every scientific field, solving real-world complex issues that impact our customers daily.

The ideas we explore range far and wide as we find new ways to develop and integrate biometric data, devices and applications—for today and the future.

FOR MORE INFORMATION
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