Identification and Credentialing
Solutions for Identifying People and Verifying Their Identity

Today’s Business Challenges
The days of implicit trust are long gone. Citizen identity now needs to be positively verified by government and industry officers for access to services. For example, immigration agencies, airports and air carriers increasingly need to verify identity across an entire life cycle of relationships, including booking, ticketing, flight registration, border control, security checks, lounge access, and boarding through to disembarkation.

Today’s business challenge is not about finding fraudsters or terrorists; it’s about facilitating access for all those users who do not pose threats, thus allowing concentration of your scarce resources on those who could pose threats.

Value Proposition
Unisys Identification and Credentialing Solutions offer speed to market and a seamless go-live. Our detailed knowledge of the uses and application of biometrics enables us to build solutions whereby you can be sure that the person receiving a service is the person you originally determined was the one entitled to it.

Our solutions, using biometrics (such as facial recognition, or state-of-the-art iris capture while people walk through passageways), is derived from lengthy experience in capturing and verifying people’s identities worldwide. It helps our customers attract and retain their own customers through greater convenience and throughput speed, and reduces costs by lowering staff needs, or redeploying staff to proactive duties.

Our knowledgeable approach, along with our world-class expertise in systems integration, delivers solutions that are comprehensive, cost effective and focused on secure business operations.

HIGHLIGHTS
- Unisys has implemented some of the largest biometrics-based national identification systems in the world – including South Africa (35 million), Malaysia (23 million), Angola (25 million) and Mexico (110 million).
- Using our LEIDA framework, Unisys built the first large scale civil identification system to employ finger, face and iris modalities (Mexico).
- Unisys helped the Australian Passport Office develop the world’s first ePassport with facial recognition.
- UK Passports selected Unisys and the LEIDA framework for their new passport issuance system.
- Unisys LEIDA framework provides the facial biometrics solution used for the Queensland Smart Card driver’s license.
- The International Thermonuclear Experimental Reactor uses LEIDA for biometric access control to safeguard the facility.
- Australia Immigration uses LEIDA for fingerprint and facial identification of visa applicants and undocumented immigrants.
**Solution Description**

Unisys Identification and Credentialing solutions provide citizens, visitors, employees, and travelers with the means to be enrolled, and to authenticate themselves in a variety of different environments and applications.

Typical processes include:

- **Enrollment** — identity confirmation, document authentication, biometric capture
- **Investigation** — biometrics 1:N identification, 1:1 verification, fraud detection tools, case management
- **Card Issuance** — production, quality assurance, activation

Unisys solutions cover the full life cycle of identity management for state and national-scale identity systems, travel facilitation and border control, employee identification, access to premises and information systems.

The enabler is Unisys superior expertise in various biometric solutions, integrated with our Library of Electronic Identity Artifacts (LEIDA) framework to uniquely capture and verify people’s identity.

Capturing people’s biometrics efficiently and with new technology paradigms enables accuracy, ease of use, and fast person-throughput, thereby overcoming the previous key barriers to the widespread deployment of biometrics.

**Solution Blueprint Components and Hierarchy**

Unisys LEIDA is a service-oriented, component-based, reusable framework, providing a flexible yet powerful platform for implementing people identity management solutions leveraging state-of-the-art biometric technologies.

Essentially, the LEIDA Identification and Credentialing solutions employ the Unisys 3D Blueprinting™ approach and fast development techniques, including reusable artifacts and models to define unique requirements. Being a dynamic, flexible solution, LEIDA has been used for a variety of large-scale programs in which millions of citizens, residents, or visitors have registered to receive a secure ID card, passport, visa or other identity document.

With constant research and development efforts, we continuously improve and extend the LEIDA framework capabilities and keep up with the latest market trends and customer requirements.

And with our existing reusable solutions and artifacts, creating a new solution only requires customizing the framework to align with the unique requirements and vision of our clients.

**Solution Architecture**

LEIDA is an open platform built on industry standards for interoperability that integrates current domain technologies and providers while remaining inclusive of the future.

LEIDA-based identity solutions implement the customization required to deliver to you solutions for positive identification:

- **Workflow**: The framework enables easy configuration of workflow across the enrollment, ID production, issuance, and verification processes. The application integrates a workflow engine to enable flexible workflow configuration without code.
- **Biometric Types**: The framework integrates fingerprint, face, iris, and signature for identification (1:N), verification (1:1), and watchlists, and can accommodate any one or a combination of these biometric types.
- **Hardware and Software Vendors**: The framework has been architected in a way that makes it very easy to plug-and-play different vendors’ technologies and solutions without changes to code. This flexibility allows for easy adaptation to any preferred commercial off-the-shelf (COTS) hardware or software vendors.
- **Scalability**: During the development of this framework, scalability was a prime concern and has been incorporated both from the perspective of the COTS products it integrates as well as the framework infrastructure itself.

**Our Alliance Partners**

LEIDA-based solutions are vendor neutral and technology agnostic, enabling Unisys to construct solutions that bring the best-of-breed products to solve particular customer user requirements.

With their years of experience in domain and technology, our subject-matter experts have the experience to recommend the best choice of technologies for fit, efficiency and cost-effectiveness.

We have proven, deployed solutions with all the leading biometrics technology providers, biometrics middleware providers, and even solutions implemented in partnership with other large systems integrators, such as IBM.

For more information, please contact your Unisys representative or visit: [www.unisys.com](http://www.unisys.com)