IDmetrix

PRODUCT BROCHURE

SECURE IDENTITY TECHNOLOGY

Labor Registration System

Digital registration, credentialing and verification of foreign workers on one secure, configurable government platform.

One Registration Platform.
Three Deployment Models.

- **Passport OCR & MRZ Validation**
- **Live Face Verification & Enrolment**
- **Government Registration Record**
- **Registration · VDS · Card Deployment Models**

DEPLOYMENT MODELS

1 Biometric Registration → 2 Digitally Signed VDS → 3 Plastic / Smart Card

Secure Registration. Trusted Identity. Flexible Credentials.

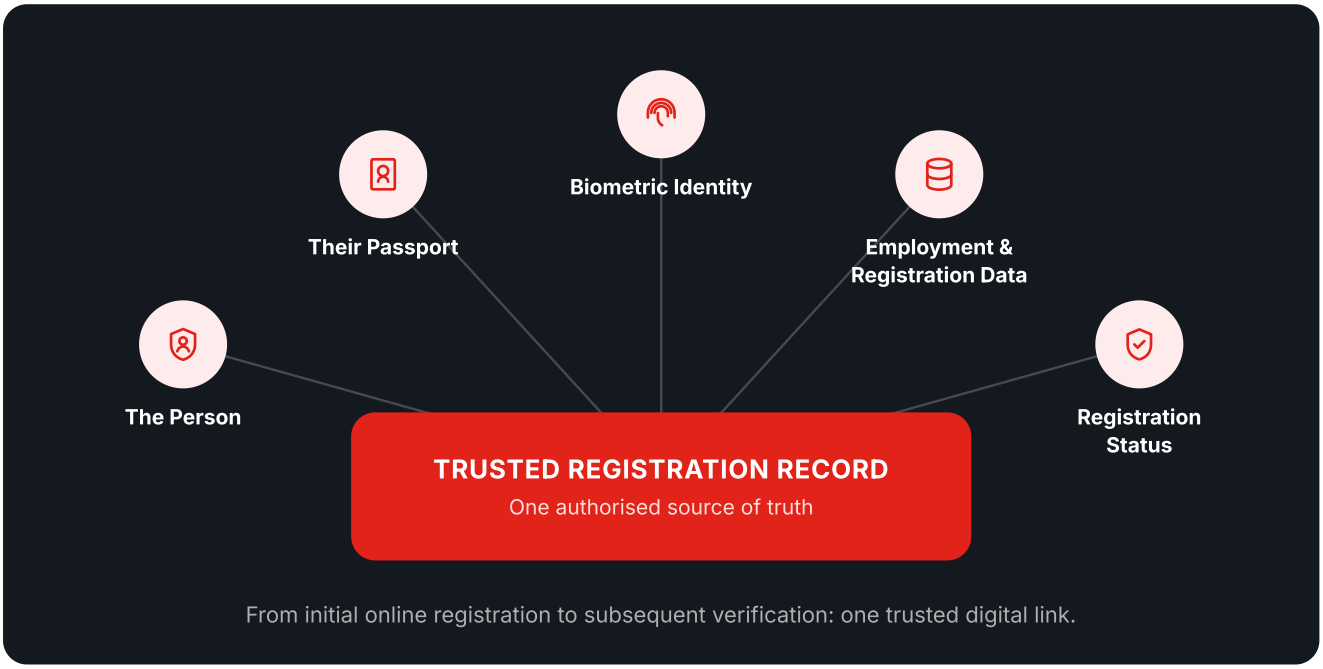
IDMETRIX s.r.o. · Secure Identity. Trusted Digital Future.

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ONE PLATFORM

One digital platform for the foreign worker registration lifecycle

Foreign worker registration requires more than collecting personal information. Authorities need to reliably connect the person, their passport, their biometric identity, their employment data and their current registration status, and keep that link trusted over time.



From initial online registration to subsequent verification: one trusted digital link.

CORE PLATFORM CAPABILITIES

Digital Registration Portal

Online self-service registration, configurable around the data required by the responsible authority.

Automated Passport OCR

The passport data page is uploaded once; printed data is extracted automatically, with no manual re-entry.

MRZ Reading & Validation

Machine Readable Zone parsing, structure and check-digit validation, cross-checked against OCR data.

Live Face Verification & Enrolment

Liveness detection and a 1:1 match against the passport portrait, then enrolment into the authorised database used for IDMETRIX ABIS identification.

Central Registration Record

Personal, passport, biometric, employment and status data maintained in one authorised record.

Registration Number / Reference

Each registered worker receives a unique registration number / reference linked to their digital profile.

REGISTRATION JOURNEY

From passport to registered worker, digitally

A streamlined six-step journey. Automated data capture and validation reduce manual entry, improve data quality and flag inconsistencies before a record is created.

01

Start registration

The worker opens the Labor Registration Portal and starts a new registration. The workflow collects the personal, employment and supporting information required by the national programme.

02

Upload passport

The applicant uploads the passport data page. There is no need to manually re-enter passport information.

03

Automatic OCR processing

Optical Character Recognition extracts the printed data and transfers it into the registration fields. The applicant reviews the result and corrects any misread character.

04

MRZ reading & validation

The Machine Readable Zone is parsed automatically: structure and check digits are validated, MRZ data is compared with OCR data, and inconsistencies are flagged for review.

05

Live face capture & identity verification

The applicant's live facial image is captured and checked for liveness. A 1:1 facial match is performed against the portrait from the uploaded passport data page. Following successful verification, the facial biometric is enrolled and linked to the worker's registration profile.

LIVENESS DETECTION · 1:1 FACE MATCH · BIOMETRIC ENROLMENT

06

Registration record created

The official digital registration record is created and a unique registration number / reference is assigned. The record can contain personal, passport, biometric, employment and status data, together with portal data and system history.

UNIQUE REGISTRATION NUMBER / REFERENCE ASSIGNED

TWO DISTINCT FACIAL PROCESSES

Onboarding verifies the applicant's live face against the passport portrait; identification later locates the registered record.

ONBOARDING
Liveness + 1:1 verification

Passport portrait → Live face capture → Liveness detection → 1:1 face match → Biometric enrolment

IDENTIFICATION
IDMETRIX ABIS database search

Officer face capture → IDMETRIX ABIS → Database search → Registered worker record

DEPLOYMENT MODELS

One platform. Three deployment models.

The same core registration process supports three different deployment models, selected by the responsible authority to fit its regulatory, operational and security requirements.

1 OPTION

Biometric Digital Registration

FACE-BASED IDENTIFICATION · POWERED BY IDMETRIX ABIS

- Facial recognition is the sole biometric identification modality
- Facial biometric enrolled into the authorised facial database
- Officer captures the worker's face via a mobile or web application
- IDMETRIX ABIS searches the facial database; a match identifies the registered worker record
- The officer receives the information authorised for their role
- A unique registration number / reference is issued and can be delivered electronically, e.g. by email, and retained on a mobile device

No QR code. No physical card required: the face is the identification modality.

2 OPTION

Digitally Signed VDS Credential

SECURE PORTABLE QR CREDENTIAL

- Visible Digital Seal (VDS) issued as a protected QR credential
- Digitally signed using a certificate issued under the Ministry of Labour's Certificate Authority (CA)
- The Ministry is established as the trusted issuing authority
- Origin of the signed credential can be verified; integrity of signed data can be checked
- Unauthorised modification of signed data is detectable
- VDS data content configurable per project

A portable digital credential backed by cryptographic trust.

3 OPTION

Physical Worker Credential

PLASTIC CARD · SMART CARD

- Plastic ID card or smart card, where required by legislation
- Visible identification information on the credential
- Optional machine-readable or electronic functionality
- Issued from the same registration platform
- Backed by the same central digital identity record

A physical credential supported by the central digital record.

COMMON FOUNDATION Digital registration + Passport OCR & MRZ validation + Facial biometrics + Central record

ONE REGISTRATION PROCESS: THREE DEPLOYMENT MODELS

Start with biometric registration → **Add a digitally signed VDS credential** → **Extend to physical or smart cards**

The responsible authority selects the model that best fits its regulatory, operational and security requirements.

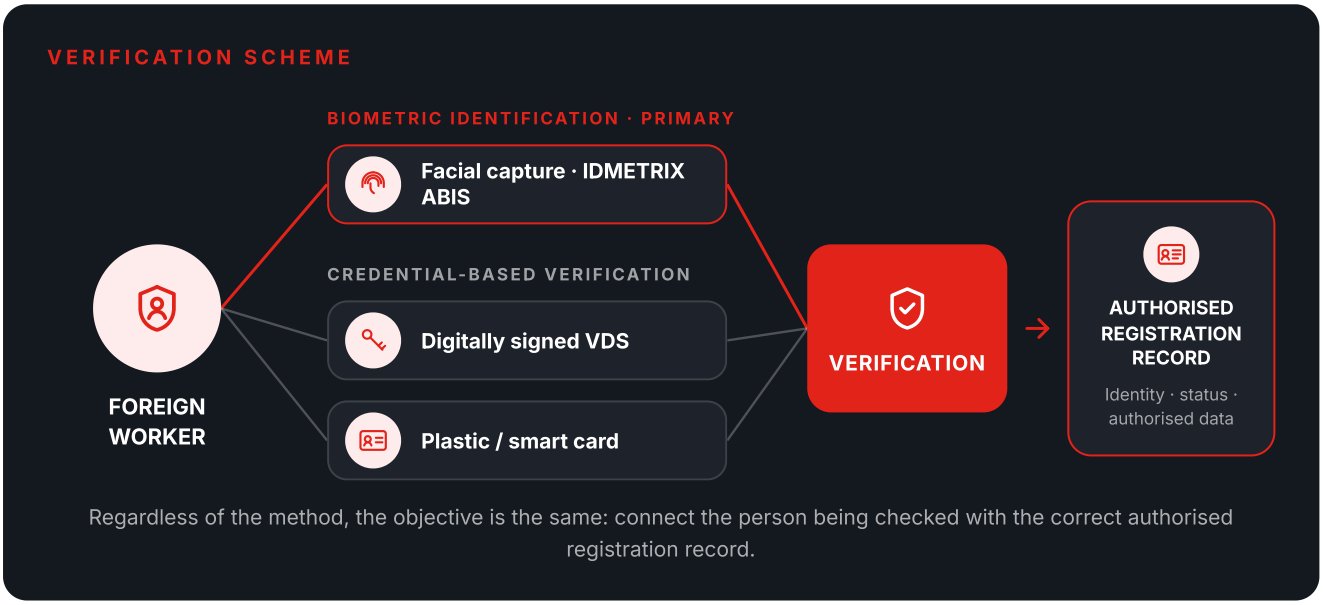
IDENTITY VERIFICATION

Verification when and where it is needed

Registration creates the trusted record. Verification makes that record operational: for labour inspectors, government officers and other approved users in the field. For the biometric-only model, identification is powered by IDMETRIX's face-based Automated Biometric Identification System (ABIS).

EVERY CHECK ANSWERS FOUR QUESTIONS

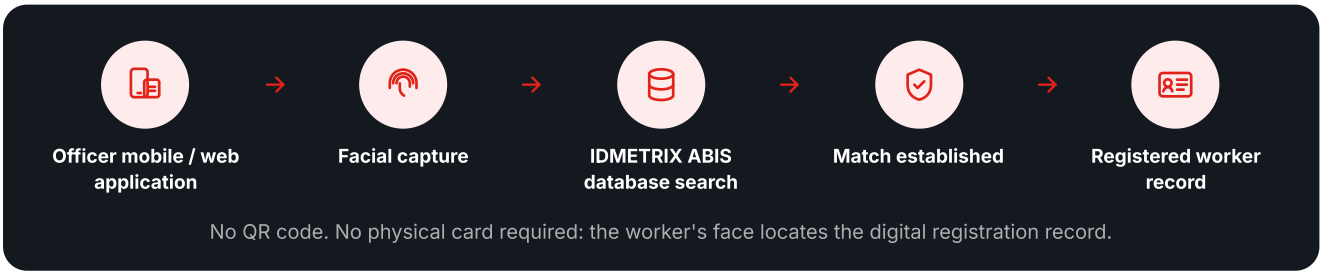
- **Who is this person?**
- **Is this person registered?**
- **Which official record belongs to them?**
- **What is their current status?**



MULTIPLE VERIFICATION METHODS. ONE TRUSTED RECORD.

Access is role-based: each officer, inspector or authorised organisation sees only the categories of information permitted for their role: for example, name and identity data, passport details, the registration number / reference, registration status or employment-related information.

FACE-BASED IDENTIFICATION WITH IDMETRIX ABIS



FLEXIBLE BY DESIGN

A configurable platform, built around national requirements

IDMETRIX Labor Registration System is a configurable technology platform, not a fixed one-size-fits-all product. The responsible authority defines the rules; IDMETRIX provides the technology to implement them within one coherent platform.

Registration policy

Who must register, and under which conditions.

Data requirements

Which personal, passport, employment and supporting data is collected.

Deployment model

Biometric-only registration, signed VDS, plastic card or smart card.

Access rights

Which officers and organisations may access which data categories.

Operational processes

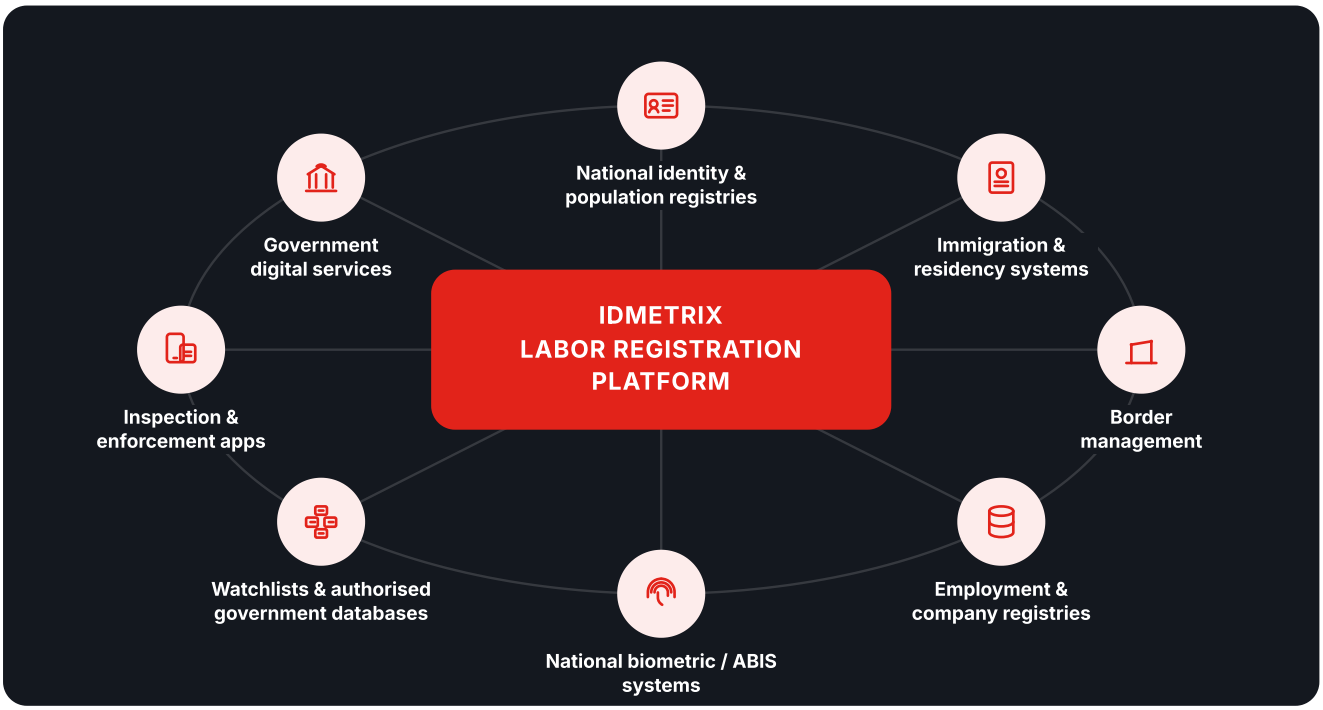
How registrations are created, reviewed, updated and verified.

Trust infrastructure

How credentials are issued and digitally signed within the national trust environment.

DESIGNED TO INTEGRATE

The platform can begin as a focused registration and verification system and evolve as national requirements develop. The areas shown below are potential integrations, depending on project requirements, existing infrastructure and the systems made available by the customer.



DELIVERY MODELS

Built for government and partner-led projects

Successful national identity programmes combine technology, local expertise, system integration and government-specific implementation. IDMETRIX supports different project and delivery models, implemented directly or together with partners.

Technology provider

IDMETRIX provides the core registration, passport-processing, biometric, credential and verification technologies.

Solution partner

IDMETRIX works with the customer and project participants to define and implement the complete registration workflow.

Integration partner

The platform connects with existing identity, labour, immigration, border and government infrastructure.

Technology partner to local integrators

Local and regional partners incorporate IDMETRIX technology into a broader national solution: IDMETRIX identity expertise combined with local market knowledge and delivery capability.

ONE TECHNOLOGY FOUNDATION: THE COMPLETE WORKER IDENTITY LIFECYCLE

CAPTURE — Passport & registration data

VALIDATE — OCR & MRZ processing

ENROL — Liveness · 1:1 match · facial enrolment

REGISTER — Official worker record

ISSUE — Registration reference · VDS · physical credential

VERIFY — Trusted record connection

WHY IDMETRIX

- Digital identity registration
- Biometric enrolment & verification
- Passport & document data processing
- Secure digital credentials
- Physical & smart-card credentialing
- System integration

IDMETRIX develops secure identity and trusted digital solutions for governments, public-sector organisations and technology partners, addressing the complete identity lifecycle rather than a single isolated component.

One Registration Platform.
Three Deployment Models.

For government authorities · For implementation partners · For national digital identity ecosystems

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