MOSIP Create:
Winning Solutions Showcase

OORU – AidFlow

The Challenge

Governments across sectors face recurring difficulties in delivering welfare, subsidies, and assistance efficiently and fairly.

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- Fragmented beneficiary records
- Manual Data Collection
- Paper Based Process
- Limited Last Mile Verification Tools
- Disconnected Systems
- Weak Auditability - Double Dipping & Corruption

Result: Even well-designed welfare schemes struggle due to gaps between allocation, delivery, and verification, resulting in citizens not receiving government benefits.

AidFlow:
A Trusted Government Service Delivery Platform

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A system designed to support governments in collating beneficiary data, confirming eligibility, and delivering assistance reliably.

Single, **de-duplicated worker identity** across the system.

Digitised attendance data captured directly in the field and synced automatically with the main server.

Entitlements issued as tamper-resistant digital verifiable credentials.

Offline face authentication tool with liveness for on-ground delivery.

A unified, state-linked lifecycle connecting registration, eligibility, issuance, and redemption.

Eligibility-locked issuance enforced through verified work history, with end-to-end audit trails

Powered by

CREDISSUER

Biochq

Target Audience

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ISSUER

Construction companies, contractors, and field supervisors who manage large, mobile workforces.

They need a simple way to record work history and issue digital work completion certificates for timely wage-linked benefits.

HOLDER

Migrant workers, daily-wage earners, and informal labour groups who frequently move between sites.

They need portable, trustworthy proof of work and a seamless way to access assistance without paperwork.
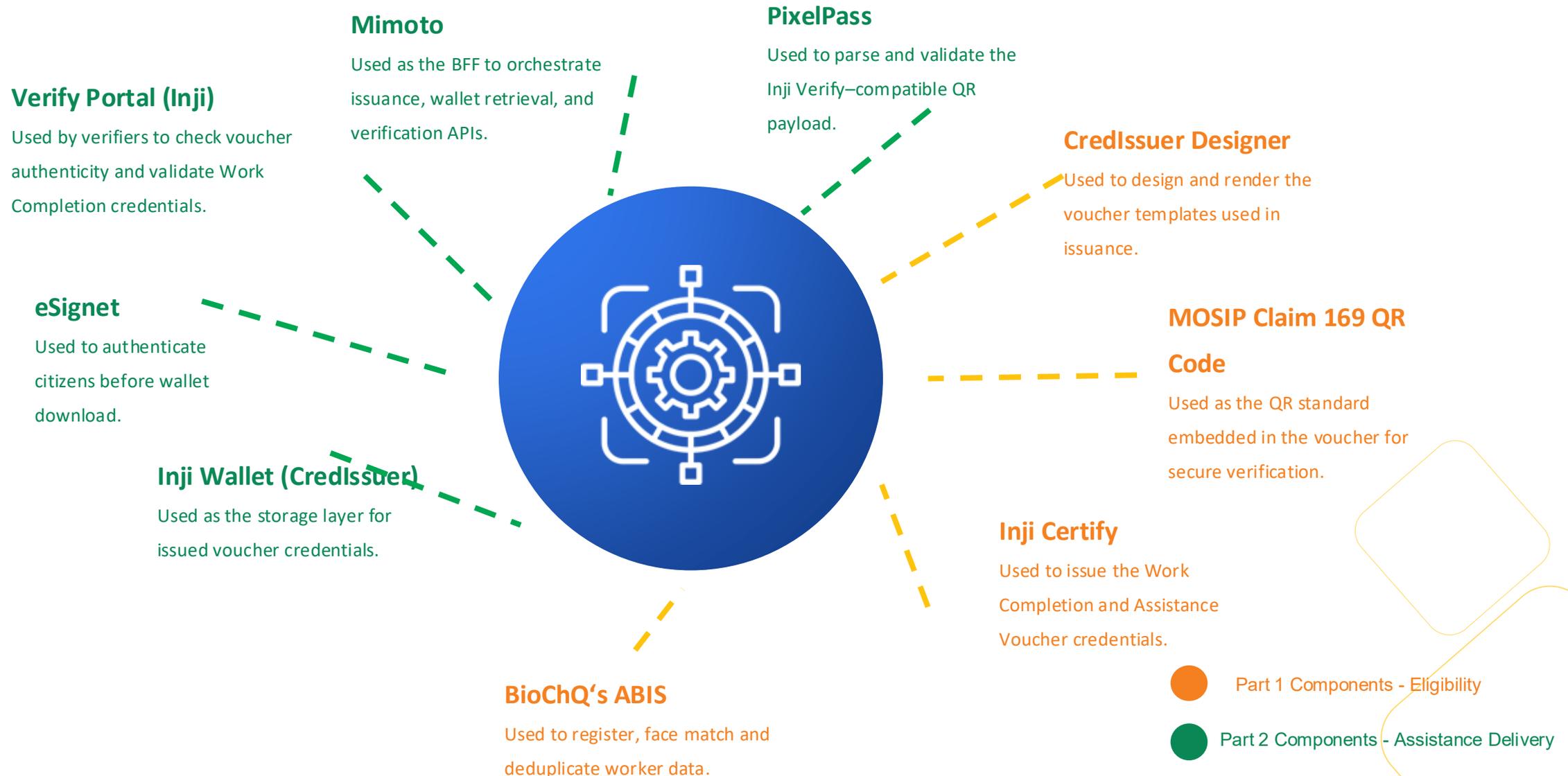
VERIFIER

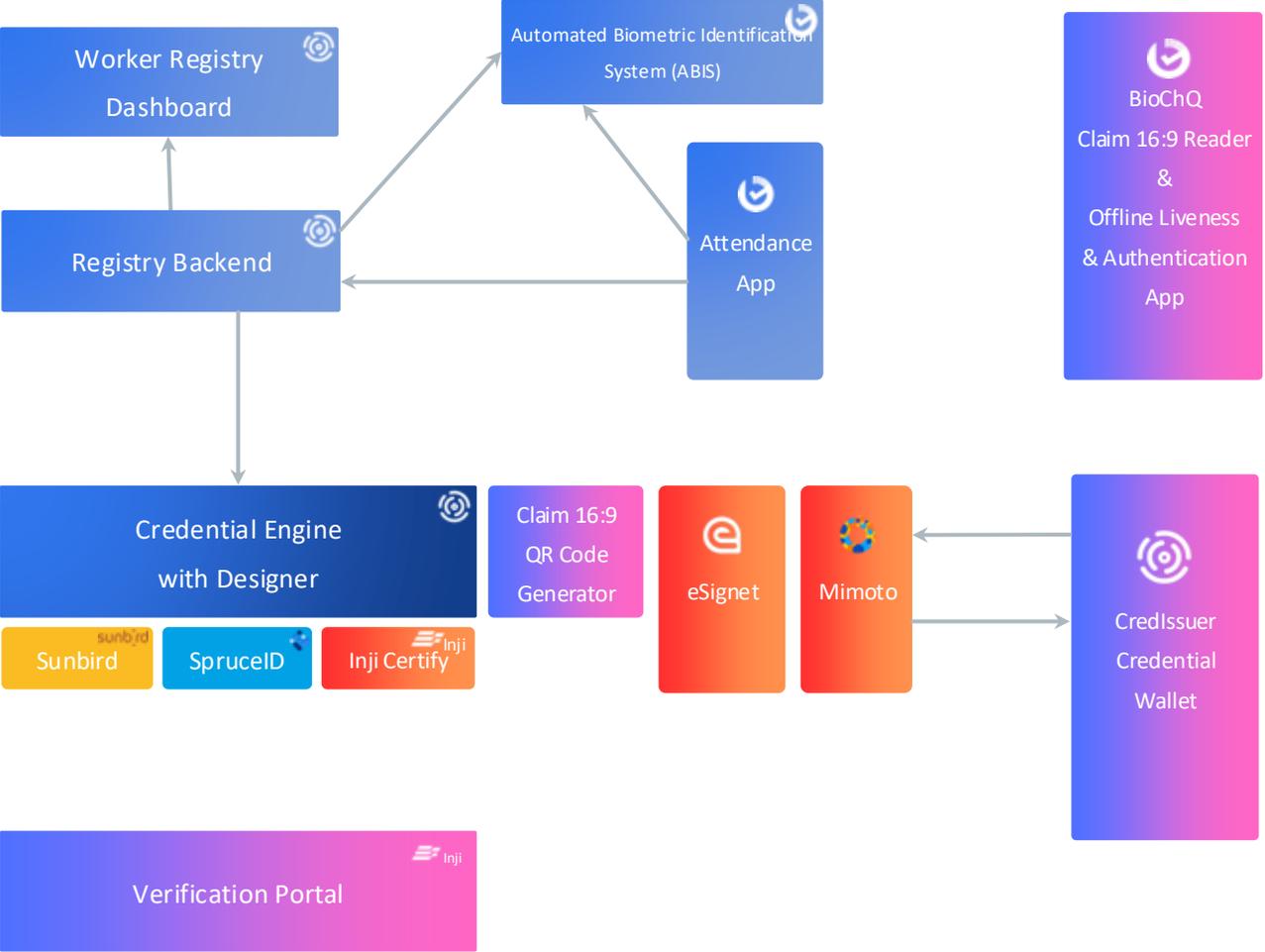**Government departments, local authorities, and welfare agencies responsible for distributing benefits.**

They need a secure, tamper-proof method to confirm worker identity, validate eligibility, and ensure benefits reach the right person.
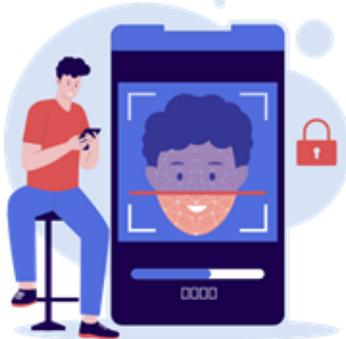
Tech Stack
## Each Component Purpose-Built for the Assistance Delivery Flow

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Mimoto

Used as the BFF to orchestrate issuance, wallet retrieval, and verification APIs.

PixelPass

Used to parse and validate the Inji Verify–compatible QR payload.

Verify Portal (Inji)

Used by verifiers to check voucher authenticity and validate Work Completion credentials.

CredIssuer Designer

Used to design and render the voucher templates used in issuance.

eSignet

Used to authenticate citizens before wallet download.

MOSIP Claim 169 QR Code

Used as the QR standard embedded in the voucher for secure verification.

Inji Wallet (CredIssuer)

Used as the storage layer for issued voucher credentials.

Inji Certify

Used to issue the Work Completion and Assistance Voucher credentials.

BioChQ's ABIS

Used to register, face match and deduplicate worker data.

● Part 1 Components - Eligibility

● Part 2 Components - Assistance Delivery

AidFlow Workflow Diagram

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Worker Registry
Dashboard

Automated Biometric Identification
System (ABIS)

Registry Backend

Attendance
App

BioChQ
Claim 16:9 Reader
&
Offline Liveness
& Authentication
App

Credential Engine
with Designer

Sunbird

SpruceID

Inji Certify

Claim 16:9
QR Code
Generator

eSignet
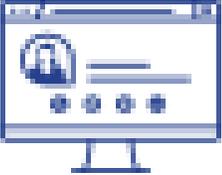
Mimoto

CredIssuer
Credential
Wallet

Verification Portal

LEGENDS

OORU's Components

MOSIP's Components

MOSIP Spec or Components
are used

CredIssuer Architecture
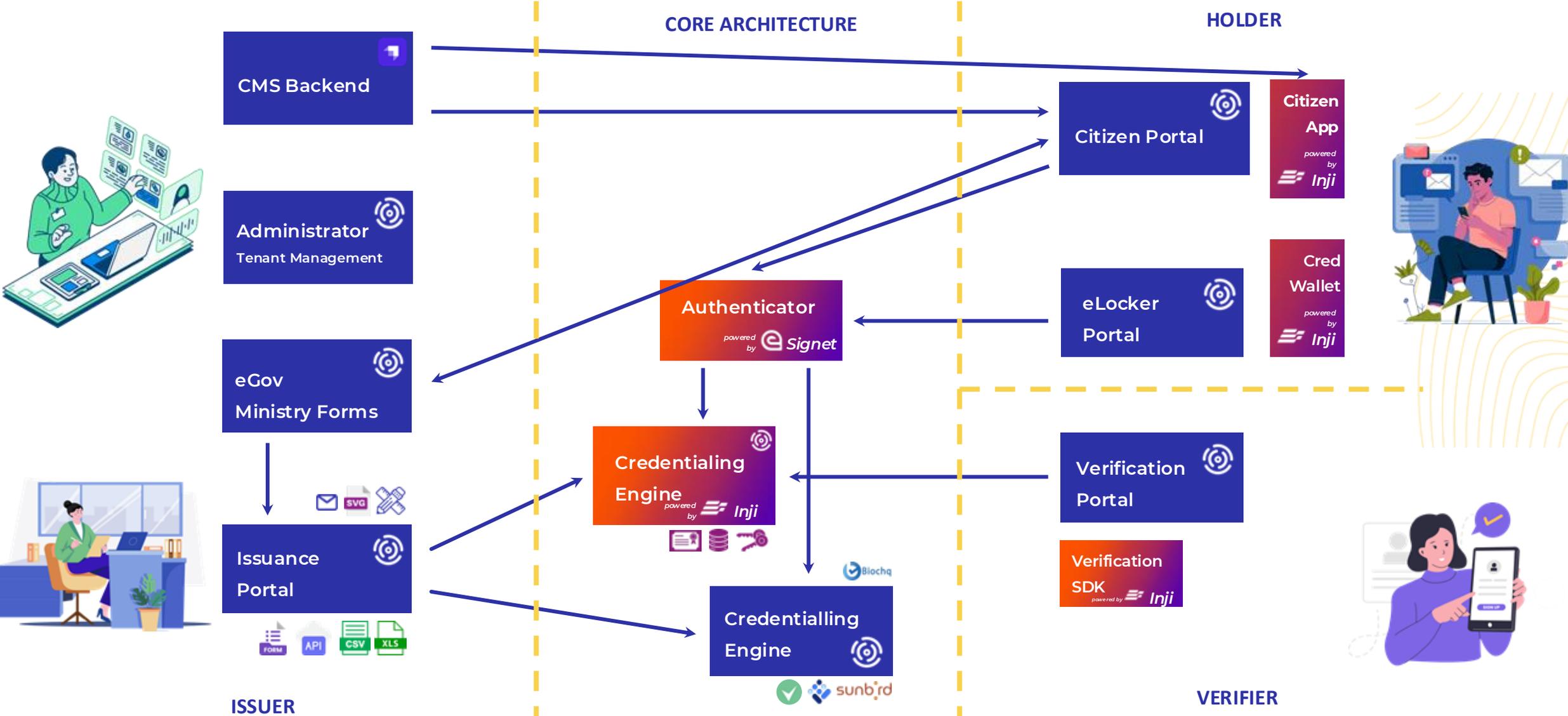
How AidFlow Operates At A Glance

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1 Issuer Creates Worker Profile
Admin records demographic details and uploads work activity/history for each worker.

2 Completion of Work Cert is Triggered
Once required workdays are completed, a Work Completion Credential is generated.

3 Government Issues Gov Assistance
Government validates the Work Completion Credential and issues a Voucher Credential.

4 Citizen Gets Notified by Email
Citizen receives the voucher via email and can store it in the CI Wallet or request a printed copy.

5 Voucher Redemption via BioChQ App
Citizen's voucher is scanned; BioChQ performs liveness + face match; redemption is verified and payout is released.

● Part 1 Components

● Part 2 Components

Built for Government, Designed for Citizens

Public authorities, ministries, disaster agencies, NGOs, and welfare delivery programs.

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For Government

- Verified beneficiaries mean **fewer leakages** and **faster program delivery**
- Real-time reporting enables **smarter planning** and accountability
- Digital processes reduce **administrative overhead** and duplicate effort
- A scalable foundation for **multi-program** ~~vice delivery~~

For Citizens

- Benefits reach them directly—without paperwork or intermediaries
- **Faster redemption** means support arrives when it truly matters
- Credentials remain **usable across locations, services, and time**
- Verification protects dignity, privacy, and agency

Designed for Inclusion. Built for the Last Mile.

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AidFlow prioritises accessibility, usability, and trust—ensuring no beneficiary is excluded due to language, connectivity, or digital barriers.

- **Multilingual Support**

Enables beneficiaries and field staff to interact in local and regional languages.

- **Offline Biometric Verification**

Face authentication works without internet, ensuring continuity in low-connectivity areas.

- **Low Digital Literacy–Friendly Flows**

Simple, guided interactions reduce dependence on technical training.

- **Last-Mile Deployability**

Designed for rural, mobile, and informal settings where infrastructure is limited.

- **Privacy-First Verification**

Confirms identity without exposing or storing sensitive personal data.

Additional Use Cases

AidFlow extends beyond emergency or welfare assistance:

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Agriculture

Fertilizer subsidies, crop insurance payouts

Healthcare

Treatment vouchers, maternal benefit packages

Disaster Relief

Rapid support during floods, drought, displacement

Employment & Social Security

Unemployment support, pensions, wage credits

Mobility & Housing

Smart transport passes, rental support

Education

Scholarship vouchers, exam fee subsidies