



ENGINEERING • SYSTEMS • INTEGRATION



Integrated engineering. Digital vision.

Solutions shaped around your organisation.
Connecting the idea to delivery.

Engineering and digital systems working together.

CODA combines engineering solutions, systems integration and software development. Its capabilities span safety, security and energy through to enterprise management and digital operations.

2008

The beginning of CODA's engineering and technology journey in Iraq.



Illustrative engineering image.

Who we serve

Institutions, public bodies, developers, factories and service providers.

OUR CAPABILITIES

Connected capabilities. A solution built to operate.

We start with the needs of the site or organisation, then define the right combination of engineering, software and integration.

01

Protection & Safety

Detection, alarm, suppression and voice evacuation solutions according to the design and scope.

02

Security & Access Management

Cameras, gates, parking and site-system integration.

03

Smart Infrastructure

Building management, sensor monitoring, control and automation.

04

Electrical & Energy

Distribution and control panels, solar energy and engineering services.

05

Software Development

Arabic systems for sectors and business management.

06

Supply & Integration

Equipment, technical coordination, testing, handover and training.

The value of integration

Coordinate requirements, equipment, data and operating responsibilities within a clear scope across the organisation.

DELIVERY APPROACH

A clear scope. A structured delivery.

Quality begins before delivery: understand the need, define responsibilities and agree on acceptance evidence that can be reviewed.

01**Understand the Need**

Define the problem, users and existing systems.

02**Design the Solution**

Scope, drawings, data relationships and user experience.

03**Build & Test**

Supply or development, integration and testing.

04**Handover & Operate**

Acceptance, training, documentation and contracted support.

Where we begin

A discussion of the problem, site, users and existing systems defines what needs to be designed, supplied, developed or connected.

SECTORS

Capabilities shaped by the way you work.

We choose a solution around its workflows and operating environment, with distinct requirements for each sector.

01

Enterprises & public bodies

Finance, people, correspondence and decision follow-up.

02

Developers & contractors

Projects, stages, assets, property and facilities.

03

Commerce & hospitality

Sales, stock, restaurants, accommodation and guest journeys.

04

Education & healthcare

Services, users and data under sector-specific controls.

05

Industry & infrastructure

Safety, control, energy and operational monitoring.

06

Aviation & public destinations

Movement, identity, events, content and visitor experience.

Designed for context

Project size, data sensitivity, existing systems and operating resources are key inputs to the scope.

ENGINEERING / PROTECTION & SAFETY

From early warning to coordinated response.

Protection and safety solutions combining detection, alarm, suppression and evacuation around the site and its occupancy.



Illustrative engineering image.

01

Detection & alarm

Coordinate detection points, alarm panels and alerts.

02

Suppression & evacuation

Select systems, equipment and evacuation routes against the design.

Project scope

Requirements, applicable codes, testing and the acceptance authority are defined for each project before delivery.

ENGINEERING / SECURITY & ACCESS

A clearer view of the site. More organised movement.

Integrate video, access control, gates and parking to support site management and movement records.



Illustrative engineering image.

01

Monitoring & access

Monitoring points, permissions, identity and records as required.

02

Parking & gates

Entry and exit flows connected to the selected management system.

Project scope

Privacy, record retention and device compatibility are reviewed before integration is approved.

Smart infrastructure

Building management, sensors, control and automation, with defined BMS / IoT / SCADA protocols and control scope.

ENGINEERING / ELECTRICAL & ENERGY

Electrical infrastructure with an integrated view.

Distribution and control panels and solar energy solutions, from technical requirements to testing and handover.



Illustrative engineering image.

01

Distribution & control

Drawings, panels and components matched to project loads.

02

Solar energy

Assess site needs, connection, operation and maintenance.

Project scope

Calculations, capacities, components and applicable warranties are established in the project-specific technical offer.

Environment & water

Supply, measurement, monitoring and integration for environmental and water systems, with specialist design, measurement points and operating responsibilities.

ENGINEERING / CONTROL ROOMS

Distributed information. One operational view.

Control rooms, display systems and data integration help teams follow sites and events from an organised workspace.



Illustrative engineering image.

01

Operational view

Arrange views, sources and events around operational priorities.

02

Technical infrastructure

Define displays, connectivity, power, permissions and support.

Project scope

Data sources, updates, responses and operator roles are defined in a dedicated scope document.

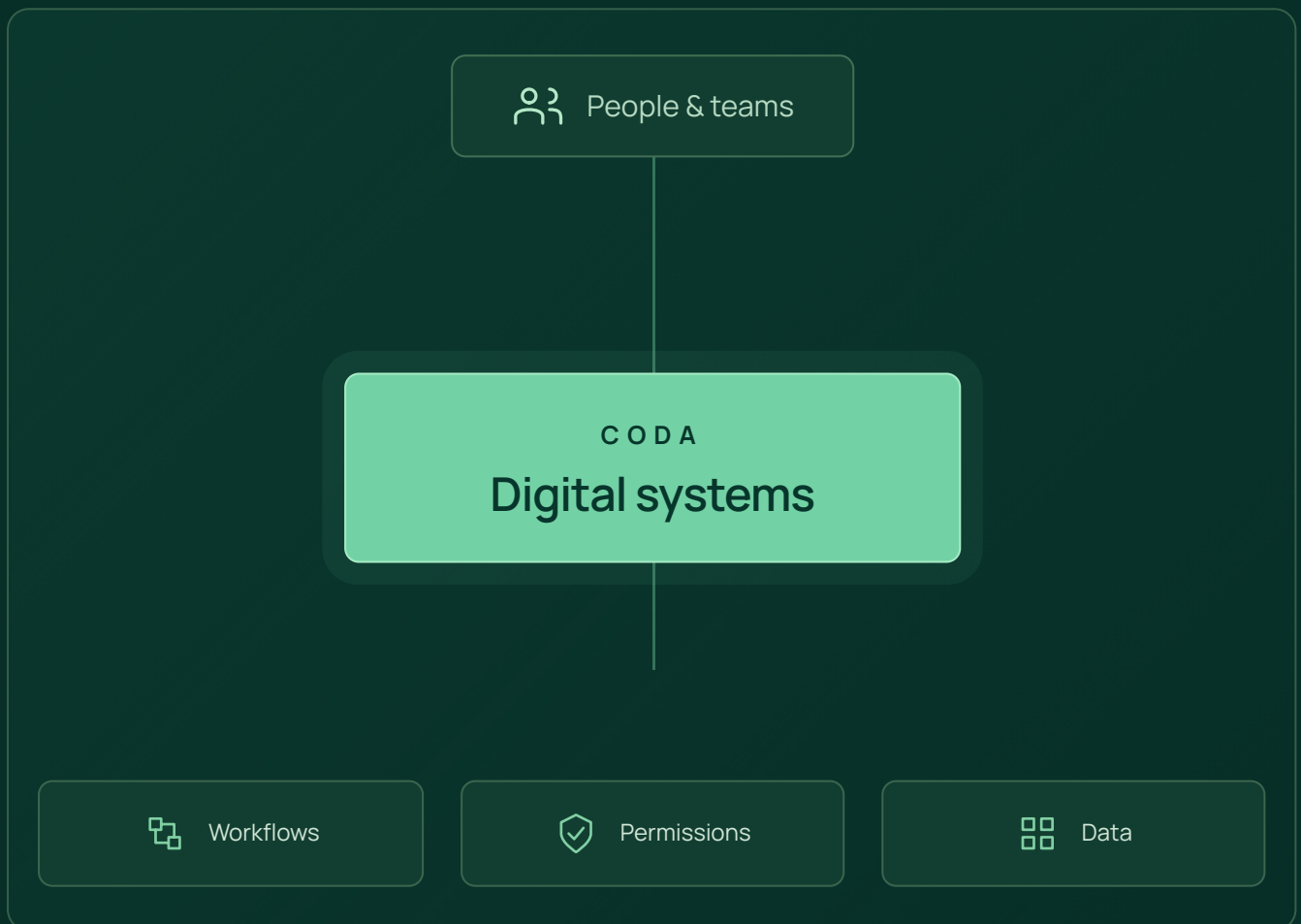
Specialist supply

Equipment for aviation and pharmaceutical industries; specifications, approvals and supply scope are defined for each project.

DIGITAL SYSTEMS

From a workflow to a system that serves it.

Arabic systems for operations, enterprises and sectors, developed around users, permissions and data.



Software shaped for the local context, with a clear scope for development, integration and acceptance.

SOLUTION LANDSCAPE

Start with your need. Then explore the system.

A navigation map; the detailed directory explains each system's status, affiliation and scope.



12

Enterprise & people

Aamal Hub • HRM • Qiyada • Shuon



13

Projects, property & assets

Bunyan • OSOS • Amlak • Sakan



16

Commerce & hospitality

Rofoof • Hala • Intishar • Hotels Iraq



17

Education & healthcare

Sofoof • Rushd • Nabdh • MediQ



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Sites, screens & sensors

CODA Flow • Faiz • Mawaqif • Access



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Communications & field operations

Aamal Hub • Codacs Agent • Hala Messenger



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Airports & protocol

Nidaa • Bajat • Marasim



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Ecosystem & partnerships

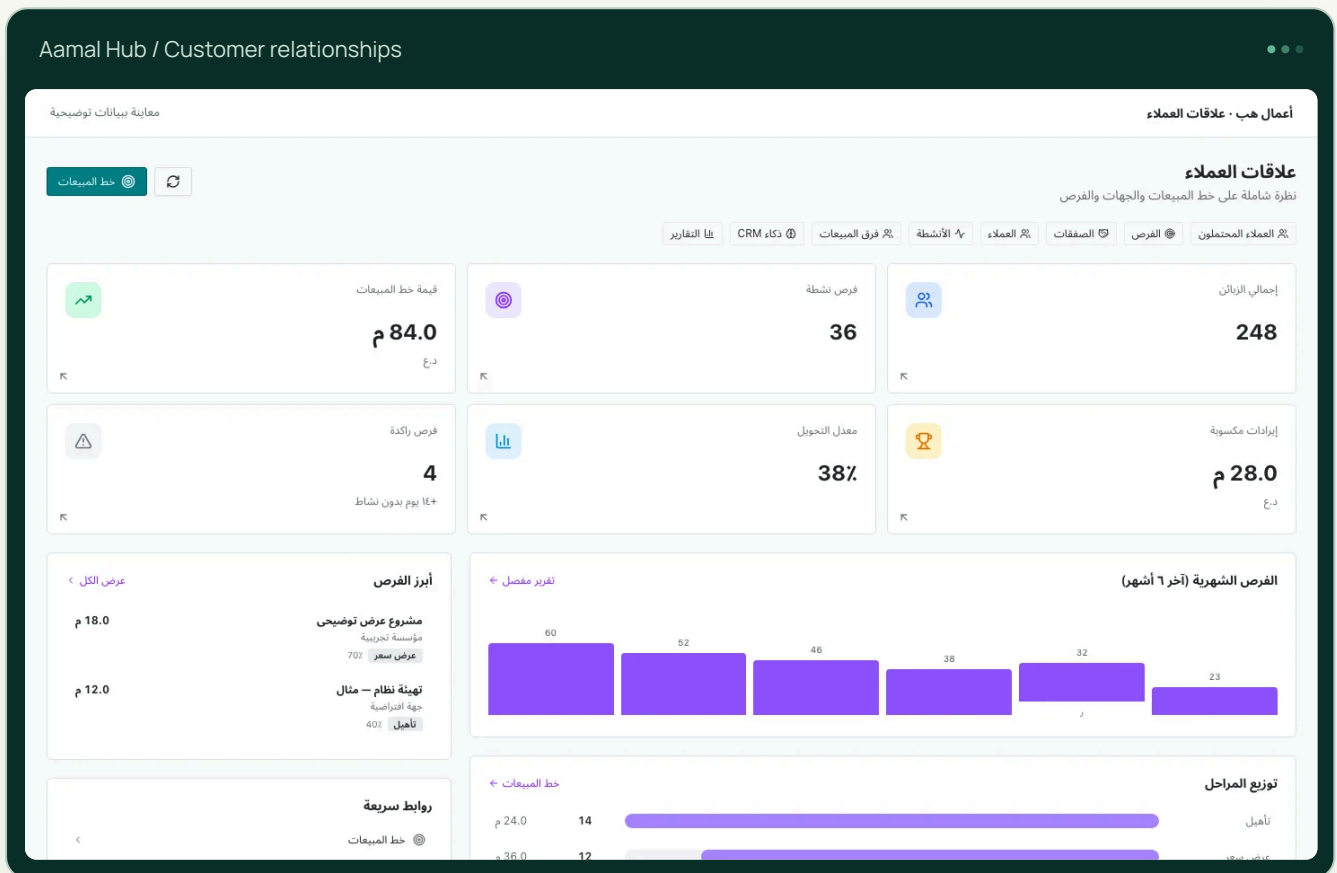
CYBAR • GO • Group projects

The ecosystem includes systems and projects at different stages. The directory explains each solution's scope, status and contact pathway.

ENTERPRISE / AAMAL HUB

One workspace for enterprise operations.

An Arabic enterprise workspace connecting finance, sales, purchasing, HR and communications with Odoo records.



Interface preview from the CODA showcase; displayed data is illustrative.

[Explore the system](#)

01

Connected operations

Finance, sales, purchasing and HR connected to Odoo records.

02

Communication in context

Connect conversations and follow-up to work context and permissions.

Scope & status

Integrates with Odoo; workflows and interfaces are defined in the delivery scope.

BUNYAN / PROJECT & FOLLOW-UP

The project in progress. The details in context.

An Arabic system for contractors connecting projects, contracts, measurements, payment certificates, materials and expenses with accounting and follow-up.



AAMAL PLUS PROJECT

Organising work inside Bunyan

A structure connecting project work items with stages, comments and documents, making detail easier to read and follow up.

Aamal Plus during execution / archive photograph.



Bunyan interface organising work items in the Aamal Plus project.

[Explore the system ↗](#)

CODA HRM / HUMAN RESOURCES

People at the heart of business. Information in one workflow.

An Arabic HR platform bringing employee records, attendance, payroll and recruitment into one workspace.



Actual CODA HRM interface with fictional demo data; figures do not represent a real organisation.

[Explore the system](#)

01

People

Record, identity & roles

02

Time

Attendance & leave

03

Process

Requests & approvals

Built around your procedures

Attendance, payroll and permission policies are configured for the organisation.

PROPERTY & ASSETS / OSOS • AMLAK • SAKAN

Assets managed. Service you can follow.

Asset information, service requests and team responsibilities in a clear site-management context.



OSOS maintenance-team interface; test environment

[Explore the system ↗](#)

FROM SITE TO ACTION

Asset → request → maintenance team

A platform for facilities, buildings, service requests, complaints, work orders and invoices, with user roles.

Amlak & Sakan

Property portfolio, management and marketing paths; each system has its own scope and status in the detailed directory.

01

Asset record

Site & facility information

02

Service request

A defined need & follow-up path

03

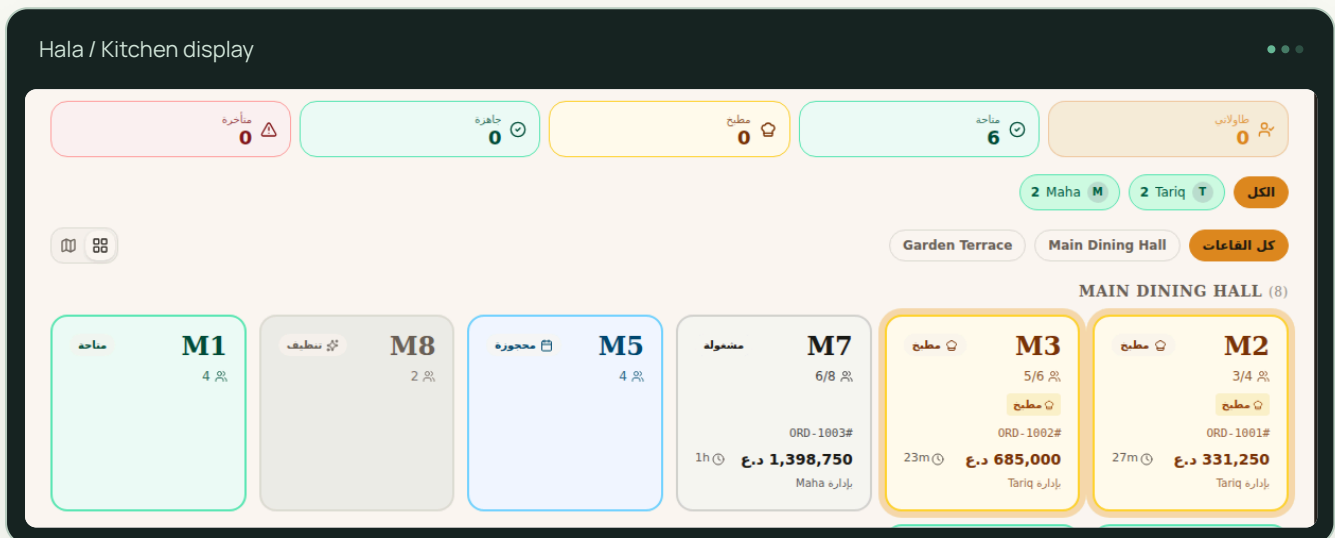
Delivery team

Responsibility & documented action

COMMERCE & HOSPITALITY

Everyday operations closer to your team.

Rofoof for sales and inventory, and Hala for restaurant workflows; each has its own context, functions and tests.



Hala table-management interface; demo data.

[Explore the system ↗](#)

01

Rofoof / Sales & stock

Retail sales and inventory, with offline sales and web, Windows and Android editions under testing.

02

Hala / Restaurant management

Restaurant operations linking orders, dining room, kitchen, sales and inventory, with an Android access application in development.

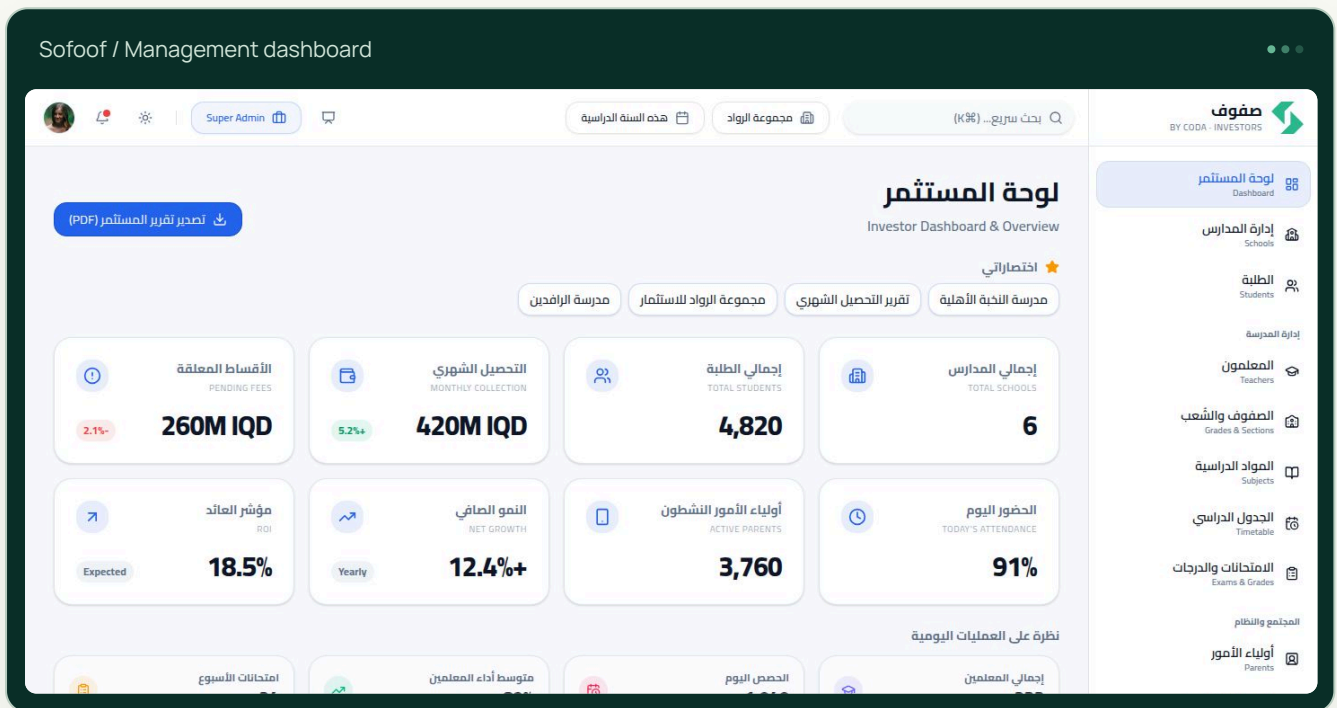
Devices & operation

Printing, scanning, payments, connectivity and site-device compatibility are reviewed before acceptance; see the directory for release status.

EDUCATION & HEALTHCARE

Digital experiences shaped around the service.

School systems and education or healthcare projects, with clear distinctions between a published release, a preview and a prototype.



Interface from Sofoof marketing materials; names and indicators are illustrative demo data.

[Explore the system](#)

01

Sofoof & Rushd

Education management and learning experiences; functions and status are detailed in the directory.

02

Nabdh & MediQ

Nabdh for hospital management and MediQ for pharmacies and the pharmaceutical sector; development and preview projects, without clinical approval.

Sensitive data

Privacy, permissions, retention and organisational requirements are part of scoping any education or healthcare application.

INSTITUTIONAL WORKFLOWS

Correspondence, decisions and follow-up in context.

Qiyada, Shuon and Official Correspondence organise specialised institutional workflows according to the organisation.



Actual Qiyada interface with isolated fictional demo data; decisions are illustrative.

[Explore the system](#)

01

Qiyada & Shuon

Decisions, directives, requests and follow-up within clear roles and permissions.

02

Official Correspondence

Organise official documents, approvals and internal follow-up.

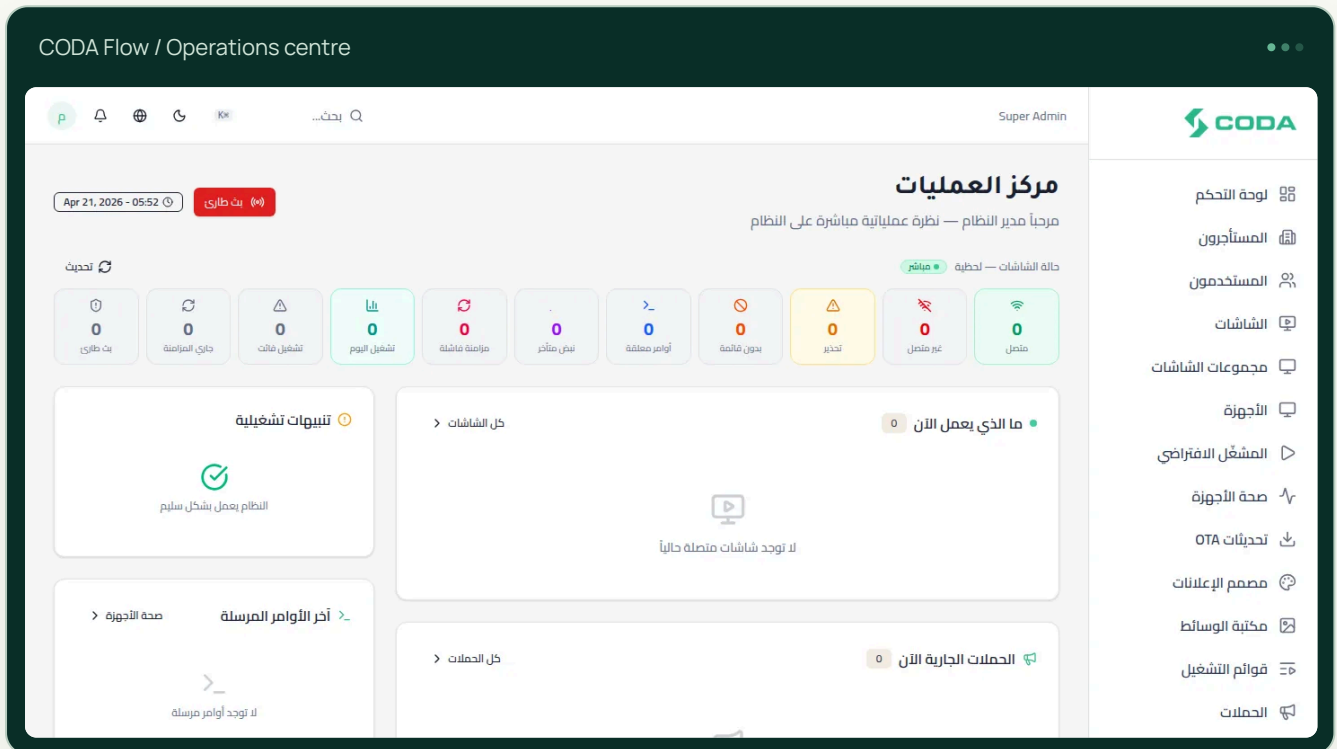
Scope & status

Roles and approval workflows are configured around organisational procedures and delivery scope.

SITES, SCREENS & SENSORS

Screens and sensors. Identity and movement.

From display-content management to asset and sensor monitoring, access and parking, according to each system's role.



Interface preview from the CODA showcase; displayed data is illustrative.

[Explore the system](#)

01

CODA Flow & Faiz

CODA Flow manages displays, content and schedules; Faiz monitors assets, sensors and alerts.

02

Access & Mawaqif

Records, permissions, entry and exit workflows with device compatibility review.

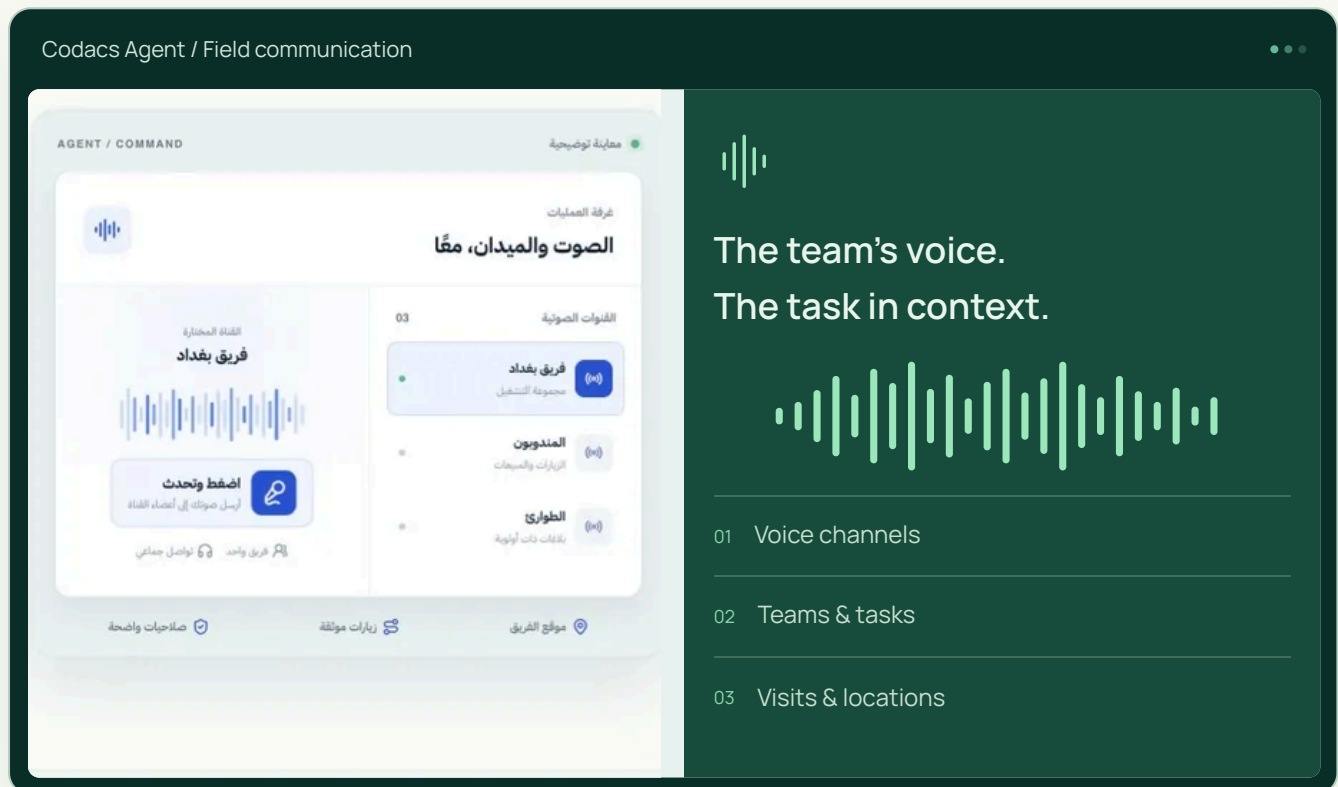
Scope & status

Reader, gate and camera specifications are reviewed, and integration is tested against the specified site devices.

COMMUNICATIONS & FIELD OPERATIONS

Communication channels connected to work.

From customer conversations to field-team coordination: distinct systems for organised communication, with clear roles, records and responsibilities.



Enlarged detail from the Codacs Agent public showcase; illustrative presentation.

[Explore the system](#)

01

Customer communication

Aamal Hub connects conversations and follow-up to business records within scope.

02

Codacs Agent

Voice channels, teams, tasks, work orders and tracking in a deployed internal trial.

Scope & status

Readiness depends on project status, data controls and operation. Hala Messenger is distinct from Hala for restaurants.

AVIATION & PROTOCOL

Information and identity in the right place.

Nidaa, Bajat and Marasim support distinct announcement, identity and VIP travel workflows.



Distinct paths for the airport experience

01 **Nidaa** Announcements & information

02 **Bajat** Identity & passes

03 **Marasim** Lounges & protocol



Clear roles • Organised information • Contextual follow-up

Illustrative workflow diagram; available functions are defined within the solution scope.

[Explore the system ↗](#)

01

Nidaa

Arabic and English airport passenger announcements, with flight scripts and schedule management.

02

Bajat & Marasim

Bajat for identity and passes; Marasim for VIP travel protocol, lounges and flight follow-up.

Scope & status

Operational integration, data and approvals are reviewed with the relevant authority before field operation.

DIGITAL PROJECT / QISHLA

Technology serving the memory of a place.

Qishla: a digital experience introducing the heritage site, its content and events within the Aamal ecosystem.



Original photograph from the Qishla website gallery; September 2026.

01

Content & visits

Present the place, its story and visitor information in an Arabic digital experience.

02

Developing the experience

The directory states deployment status and the boundaries of current digital services.

Published website

qishla.go.iq / Visitor, booking and sales services are defined around the site operating plan.

ECOSYSTEM & PARTNERSHIPS

Complementary expertise. Clear responsibilities.

The ecosystem brings together CODA-developed systems, investment projects and specialist brands, each with a defined role and scope.

01**CYBAR OSINT / CODA**

CODA's open-source intelligence (OSINT) system for security agencies and media-monitoring channels.

02**CYBAR Centre / Investment project**

CYBAR Centre is a joint investment project between CODA and Iraq's Military Industrialization Authority.

03**GO / Travel & hospitality**

Hotels Iraq, Rihla Go and GO Visa are travel and hospitality workflows in the GO ecosystem.

04**Shared Group projects**

ZI, Zuqaq, server monitoring, Hala Messenger and Music Iraq are projects in the Group ecosystem.

Contracting responsibility

The supplying entity, scope, product rights and support are defined in the approved offer for each project.



— LET'S TALK ABOUT YOUR PROJECT

Connect the idea to delivery.

Engineering and digital systems working together.

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