



CAPABILITIES · 2026

Seventeen practices. One operating discipline.

From national land administration to industrial AI — the full range of what AOS designs, builds, and operates for governments and enterprises.

Four pillars, built on the same foundation.

LAND & GOVERNANCE

Digital Land & Record Systems

National cadastre and transactions

GIS, Remote Sensing & Spatial Intelligence

Parcel mapping and analytics

Data Capture & Document Management

Paper archives to structured data

Government-Tech Focus

Public sector by specialism, since 1998

ENTERPRISE & AI

Software Development & Cloud Solutions

Mission-critical platforms

AI Data & Advanced Analytics

Modelling and predictive analysis

Banking & Enterprise Systems

High-volume financial data

Experience Design & Development

Usable, accessible interfaces

Digital Transformation Consulting

Legacy modernisation and BPR

INFRASTRUCTURE & TRUST

Cloud Infrastructure & DevOps

Scale and operational resilience

Cybersecurity & Information Assurance

ISO 27001:2022 certified

Digital Identity & Trust

Verification and secure interaction

Training & Capacity Building

Knowledge transfer to client teams

FRONTIER

Agri-Tech & Industrial AI Platforms

Spatial AI for production systems

IoT, Embedded & Smart Systems

Sensors, devices, real-time control

Research & Development

Biometrics and data infrastructure

Deep Tech & Semiconductor-Enabled

Next-generation computing

Digital Land & Record Systems

AOS designs and implements national-scale digital land administration systems that modernise how governments manage property ownership, cadastral records, and land transactions — turning legacy paper archives into secure digital infrastructure.

100M+

land ownership records
digitised across 18 districts of
Punjab

169M+

registered deed pages
scanned and indexed in Sindh

5

provinces and territories
covered

These platforms enable transparent land governance, reduce administrative delay, and give the public reliable access to land information.

GIS, Remote Sensing & Spatial Intelligence

AOS builds geospatial platforms that combine GIS mapping, satellite imagery, and spatial analytics to support infrastructure planning and land administration. Through parcel mapping under the PULSE programme, the company has helped governments build accurate digital representations of land parcels and property boundaries.

Institutions use these systems to visualise spatial data, analyse land-use patterns, and plan on evidence rather than estimate.

Parcel mapping	PULSE, Punjab
Satellite imagery	Multispectral
Cadastral GIS	Province scale
Spatial analytics	Planning & land use

Data Capture & Document Management

Large-scale digitisation is the work that has to happen before anything else is possible. AOS runs it as a permanent industrial capability, not a project function.

27

years of continuous operation

200+

technical and support professionals

169M+

pages converted to structured digital records

Physical archives become systems that support rapid retrieval, analysis, and long-term preservation.

Software, cloud, and the infrastructure underneath.

SOFTWARE DEVELOPMENT & CLOUD SOLUTIONS

Systems that carry national load

Secure enterprise platforms powering land record management, police information systems, and enterprise data environments — designed for high-volume, mission-critical operation.

CLOUD INFRASTRUCTURE & DEVOPS

Scale without fragility

Scalable environments supporting high-volume data platforms and national digital services, with modern DevOps practice underpinning resilience and continuous availability.

Government-Tech Focus

AOS specialises in technology built for government institutions and national programmes. Since 1998 the company has supported major public sector digitisation initiatives — land administration, police records management, and public administration platforms.

That history is what allows AOS to design to the operational and scale requirements government institutions actually have, rather than to a commercial template adapted after the fact.

Land administration	Five provinces
Policing & security	PROMISE, CTD, Prison MIS
Public administration	Food, Auqaf, KPK DLM
Operating since	1998

Intelligence from the data, and the transition to get there.

AI DATA & ADVANCED ANALYTICS

Datasets into operational intelligence

Built on the processing of millions of government and enterprise records: data modelling, predictive analysis, and intelligent information systems that support strategic decisions.

DIGITAL TRANSFORMATION CONSULTING

Modernising what already exists

Legacy system modernisation and technology-driven operating models, including business process re-engineering work delivered with PMU Punjab.

Security and identity, certified to global standard.

CYBERSECURITY & INFORMATION ASSURANCE

Certified, not asserted

AOS operates under internationally recognised security standards and designs secure digital architectures protecting sensitive government and enterprise data — ensuring integrity, confidentiality, and availability of critical infrastructure.

ISO 27001:2022

ISO 9001:2015

Registered Vendor — World Bank

Registered Vendor — Asian Development Bank

Pakistan Software Export Board

P@SHA Member

DIGITAL IDENTITY & TRUST

Verification people can rely on

Secure systems supporting trusted digital interaction and identity verification, drawing on biometric research and national-scale data system experience.

Banking, enterprise systems, and the interfaces on top.

AOS has delivered enterprise systems and outsourcing for international clients, including UK accountancy firms Ascot Drummond and Giant Group — and built the web platforms that changed how those firms worked with their own clients.

- **Giant Group plc** — financial data processing for more than 1,500 clients
- **Ascot Drummond** — accounting data for over 800 limited companies
- **Experience design** — platforms built for usability, accessibility, and performance

Enterprise data	High volume
Client base served	1,500+
Companies processed	800+
Market	United Kingdom

Where the same data discipline goes next.

AGRI-TECH & INDUSTRIAL AI

Spatial intelligence in production

Platforms combining spatial intelligence, artificial intelligence, and automation to optimise agricultural and industrial operations.

IOT, EMBEDDED & SMART SYSTEMS

Connected infrastructure

Sensors, devices, and software integrated into single platforms for real-time monitoring and automation of infrastructure and industrial environments.

DEEP TECH & SEMICONDUCTORS

Next-generation computing

Advanced computing and semiconductor-enabled systems supporting emerging technology ecosystems.

Research, and the transfer of what we learn.

RESEARCH & DEVELOPMENT

Active, not incidental

Ongoing programmes in biometric systems, advanced data infrastructure, and large-scale information platforms — the source of solutions to complex government and enterprise problems.

TRAINING & CAPACITY BUILDING

Systems that outlast the contract

Specialised programmes equipping client organisations with the technical capability to operate modern digital systems, ensuring transformation initiatives are sustained through knowledge transfer.



Let's build the **next one** together.

Talk to AOS about applying twenty-seven years of delivery discipline to your programme.