Position Title:	AI/ML Consultant	**Classification Level:**	Level 5
Position Number:	3220088	**Location:**	Midland
Reports To:	Manager Earth Observation, Level 6	**Positions Under Control:**	0
Branch / Section:	Earth Observation	**Job Families/**	Science and Technical
Business Unit:	Location Services	**Leadership Context:**	Leading others – Knowledge Leader

Business Area Overview

Location Services provides trusted location data and spatial services to support the management and development of Western Australia to benefit the community. Earth Observation creates and maintains the State's foundational location information, explores advanced earth observation and delivers remote sensing services to customers.

Role Summary

The AI/ML Consultant provides specialist advice on and applies artificial intelligence and machine learning technologies to processes, products and services within Earth Observation and the wider Location Services team. This role applies knowledge and undertakes complex work to deliver Location Services functions including:

- specialised and customised integration of imagery and location information
- analysis and integration of spatial data in appropriate imagery and geographic information systems
- topographic database (TGDB) maintenance and
- data extraction and delivery.

Responsibilities

- Maintains high level knowledge of developments in imagery sciences, geographic information systems and Landgate's service delivery programs to support product and process improvement.
- Derives advanced spatial information products through application of statistical classification, change analysis, bio-physical models and geographic information systems using location and other data as inputs.
- Plans and contributes to the monitoring, development and implementation of product suite procedures and processes to meet quality assurance standards and to maximise effectiveness of product and service provision.
- Reads and interprets scientific literature to identify improvement opportunities and leads the development and implementation new and improved processes.
- Coordinates resources for product delivery, as required.
- Applies a collaborative approach to:
  o Creates, processes and maintains complex spatial data (including metadata) in various systems and databases.
  o Interprets, analyses and evaluates source spatial data.
  o Undertakes complex data processing including revision, reformatting, enhancement and attribution.
- Undertakes the analysis, design, programming and specification of information systems to meet business needs.
- Undertakes comprehensive systems delivery work including the coordination and direction of the activities of staff as allocated for all development and/or maintenance of systems.
- Consults with senior user management, negotiates requirements and identifies performance indicators.
- Negotiates system acceptance with user management.

- Designs, develops and implements IT Solutions and systems to satisfy customer requirements.
- Oversees the programming, implementation and maintenance of systems by team members and/or private contractors and ensures that they are in accordance with appropriate standards.
- Conducts the implementation and post implementation review of IT Solutions and systems and ensures that they meet the requirements of the customer.
- Keeps abreast of emerging technologies, methods and trends within the industry.
- Mentors and coaches individuals and applies a collaborative approach to foster team development and technical expertise to achieve a highly skilled and flexible workforce.
- Develops and maintains partnerships across Landgate to ensure a high level of service is delivered to customers.
- Actively participates in business process and system improvement projects as a subject matter expert and encourages innovation to support Landgate's business.
- Provides information and advice to internal and external stakeholders on complex matters.
- Participates in internal and external committees and working groups as required.
- Contributes to team plans and ensures their own compliance with training and performance management requirements.
- Performs other duties as directed.

Essential Role Requirements

Expected Behaviours

Landgate has adopted the Public Sector Leadership Expectations framework, and this role sits in the **Leading Others** context. Leadership in this first formal positional leadership context is about motivating and enabling others to deliver high quality work that contributes to the agency.

- **Lead collectively** – You identify opportunities for improvements in your team, ensuring the work and services you provide always add value to Western Australians.

- **Think through complexity** – You know where to find relevant information and use a common sense approach to research and analyse and then make evidence-based recommendations.

- **Dynamically sense the environment** – You communicate clearly, presenting relevant technical and professional information without jargon.

- **Deliver on high leverage areas** – You display personal resilience to overcome obstacles and challenges, seeking support from your manager when necessary.

- **Build capability** – You provide technical and professional support to your peers, making time to mentor others in your team.

- **Embody the spirit of the public service** – You are excellence oriented and deliver results for your team.

- **Lead adaptively** – You demonstrate a willingness to extend your knowledge, skills and technical expertise to support your development, seeking guidance when necessary.

Experience/Qualifications

- Demonstrated skills and experience with relevant software and technology.

Desirable Role Requirements

- A tertiary qualification in an appropriate earth or imagery science discipline.

Appointment Conditions

- National Police Clearance

Reporting Relationships

Reports to:	
Manager Earth Observation, Level 6	**Other positions reporting to this position:**
	Lead AI/ML Consultant, Level 6
	Lead Imagery Solutions Consultant, Level 6
	Lead Imagery Systems Consultant, Level 6
	Lead Spatial Systems Developer, Level 6
	Lead Imagery Analyst, Level 6
	Senior Spatial Systems Developer, Level 5
	Senior Spatial Systems Developer, Level 5 (Temp)
	Imagery Systems Consultant, Level 5
	Imagery Solutions Consultant, Level 5
	Imagery Systems Officer, Level 4 (x2)
	Spatial Systems Developer, Level 4
	Imagery Officer, Level 4 (x3)
	AI/ML Officer, Level 4
This position:	
AI/ML Consultant, Level 5	
	Direct reports:
	Nil

Certification

These details are an accurate statement of the duties, responsibilities and other requirements of the position.

Position Title and Business Unit	Name	Date
P&C Advisor, People Culture and Environment	Noelene Udinga	4 June 2025
Director Earth Observation, Location Services	Annaliese Walster	4 June 2025

Effective Date: 30 June 2025