

G-Cloud 15 Framework

Service Definition

PathoSys® Clinical Decision Support System

About Us

Advanced Expert Systems Ltd was originally founded in 1989 to bring the benefits of Artificial Intelligence (AI) systems and solutions to real world challenges. Now known as AES Group Ltd, we have become a leading provider of critical defence, healthcare and commercial information systems and solutions for over 35 years.

AES Group has operations in a number of areas and have a proven track record of successfully delivering critically reliable systems and solutions that meet the complex needs of our customers in military, healthcare and commercial environments.

As an established independent information systems and solutions provider, our reputation has been built on over three decades of successfully delivering advanced information systems and engineering projects. This is evident from our considerable track record and long-term customer relationships.

Our services are able to be individually tailored to your specific needs including the levels of configuration of systems, the types of backups and/or disaster recovery options available, the most suitable maintenance windows for your operations and the required support hours.

As part of our preliminary discussions we will determine your exact needs to allow us to configure each service to your specific requirements. In addition to the technical aspects of the service, discussions will also cover the administrative aspects such as type of onboarding/offboarding support required, user numbers, dashboards and insights, etc. These discussions will also cover the financial aspects of the service including your budget, if service credits are required, and any other core or optional requirements.



Service Overview

PathoSys® is a powerful, intuitive, effective and efficient Cancer Reporting and Diagnosis Clinical Decision Support System using the latest RCPATH Datasets. Using our very own state-of-the-art Artificial Intelligence (AI) platform, we have been able to create the UK's leading Clinical Decision Support System (CDSS) for Cancer Reporting and Diagnosis.

Service Features

This service includes the following main features:

- Intelligent reporting using Artificial Intelligence (AI) algorithms where applicable.
- Full coverage for reporting on all Cancer types within PathoSys®.
- Minimise errors with full automatic data validation.
- Automatic coding for SNOMED, TNM and COSD.
- Clinical audit showing all previous revisions of reports and tests.
- Can also use statistics and trends for advanced Clinical auditing.
- Latest RCPATH Datasets including generic module for free text reporting.
- Interface to laboratory information systems and third party clinical systems.
- Patient centric unified reporting enabling team workload management.
- Referral system which keeps the full audit trail and history.

Service Benefits

The main benefits of this service are:

- A unique, state-of-the-art service that can streamline laboratories.
- Significant increase in report accuracy and laboratory efficiency.
- Achieving Digital Pathology based on Best Practice in Cancer Reporting.
- Minimising human error by automating steps within the investigative process.
- Significant reduction in the report life-cycle using validated structured data.
- Achieve and maintain high standards with our powerful audit capabilities.
- The ability to attach images/scans to incorporate full Digital Pathology.
- Simplified/automated reporting process with an extremely user-friendly and customisable interface.
- Continual development/improvement of PathoSys® to offer best service.



Standard Service Options

The standard service options available are as follows:

- Telephone and email support and maintenance service by our UK based support teams during normal working hours, which are 9am to 5pm Monday to Friday (excluding public holidays).
- Standard onboarding/offboarding with training provided via documentation and online training.
- This service is provided to the following international standards:
 - ISO 27001:2022
 - ISO 9001:2015
 - ISO 14001:2015

Contact Us



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