you select the best migration option.

and in-depth assessments that help understand our flexible migration tools and software installation/configuration, interface specialists, storage and server team members that can include HL7 manager, implementation engineer and content management and workflow.

Implementation

A successful clinical data migration requires experience, flexible software tools, technical expertise and well-defined processes. Since 2003, Acuo has successfully migrated from and to every major PACS product and storage solution in the marketplace. We provide consultation services that help you understand our flexible migration tools and in-depth assessments that help you select the best migration option.

Support

Acuo offers global customers and partners a variety of support options, including an online customer care center that lets you download software updates, search for problem fixes, log a case or view issue status from anywhere at any time.

Project Management

Our project managers guide customers through each phase of implementation and migration, from kick-off to completion, offering in-depth knowledge of PM tools and methodologies, clinical content management and workflow.

Training

Acuo offers basic training that focuses on daily tasks and troubleshooting, advanced training that covers all system components and advanced troubleshooting and custom training tailored to your needs.

A powerful solution for managing all enterprise clinical content
- Liberation of clinical data from departmental silos
- Interoperability across all PACS and data storage solutions
- Extreme IT flexibility, virtualization, configurability and scalability
- Freedom and agility to pursue strategic objectives

With VNA implementation experience that spans all major PACS vendors and storage providers, Acuo is focused on making all the components of a healthcare ecosystem work better together. UCP is the technology foundation all healthcare organizations ultimately need to achieve the "High-Definition EMR™".
Universal Clinical Platform

The Universal Clinical Platform from Acuo Technologies is much more than a VNA. UCP is a multi-faceted solution for capturing and controlling all enterprise clinical data, including all forms of DICOM and non-DICOM content. UCP allows better medical collaboration and decision-making, providing the foundational data infrastructure to enable a “high-definition EMR.”

Clinical Abstraction

The UCP clinical abstraction layer provides virtualization and connectivity of clinical systems, helping you maximize access, routing and control of all medical image data and non-DICOM clinical content via standards and a rich set of web services.

Medical Image Virtualization

The UCP medical image virtualization component provides standards based integration through a rich set of DICOM services, connecting clinical imaging systems based on DICOM standards. Key features include:

- Federation via DICOM
- eMPI-aware tag mapping technology
- Clinical policy engine (ILM) with intelligent retention
- Embedded data migration engine
- Bi-directional HL7 support, including update/merge/pre-fetch/delete

Non-DICOM Virtualization

Through fully-integrated XDS and XDS-I support, UCP provides the capability to manage all types of non-DICOM content. UCP includes an embedded XDS registry and repository. Key features include:

- Multiple strategy non-DICOM support, including direct integration to non-DICOM API
- XDS (patient/study) context
- Full XDS/XDS-I (XDS.b) support
- Multiple registry contexts (IHE ready)
- IHE XDS certified in 2011 (North America) and 2012 (Europe)

Intelligence Engine

The intelligence engine layer of UCP tightly couples the clinical abstraction and life cycle management layers together with strong capabilities around clinical workflow, compliance, contextual data management and content replication.

Replication

UCP’s ability to synchronize and replicate metadata between data centers enables a highly-available business continuity capability that is tightly integrated with your enterprise storage platform. Key benefits include:

- Publisher/subscriber model for metadata replication supporting multiple data centers
- Natively integrated to storage replication models (CAS/COS and NAS)
- Reduces network and server footprint in a business continuity solution

Compliance

The UCP compliance component is core to the overall strategy of the system to assure that all transactions are audited using a standardized approach. UCP provides a graphical interface for audit access and the ability to send audits to a central repository. Key features include:

- Conformance to DICOM Supplement 95
- Embedded audit search/ management capabilities
- Ability to manage audit messages via Syslog, IHE ATNA support

Life Cycle Management

The life cycle management layer of UCP provides functionality for managing data on a long-term basis, helping you interact with best-of-breed storage platforms to fully leverage all the IT resources at your disposal.

System/Application Health

UCP provides a built-in VNA performance environment and dashboard for each installation, regardless of whether the solution is focused on archiving, data migration, clinical data routing or all the above. UCP transmits system health information to the cloud, delivering results via the web. Key features include:

- Integrated system health and monitoring
- Cloud-based, allowing data to be managed within a scalable cloud infrastructure, eliminating infrastructure requirements for hosting system health capabilities
- Web-delivered, for access on multiple devices, cross-platform and mobilized

Context

One of UCP’s most unique and powerful features is its ability to separate and manage clinical data into contexts that support your enterprise direction and simplify IT administration. This includes contexts around how your business is organized, data locations (onsite, cloud), business strategies (M&A activity, divestiture), etc. Context flexibility includes:

- Multi-tenant, enabling multiple customers subscribing to the same system delivery
- Multi-domain, providing multiple facilities, RIS instances or other logical business organization of the data
- Multi-silo, allowing separate data management capabilities across multiple departments

Storage Abstraction

Storage abstraction enables UCP to communicate with all enterprise storage devices. Acuo employs API best practices, working closely with leading manufacturers to understand how to make UCP work seamlessly with all storage products. UCP storage abstraction encompasses:

- Multi-tenancy support to abstract and manage your storage in the same context as your business
- Containerization to package data into optimized and efficient streams of data
- Multi-threaded read/write with high-performance capabilities to read and write data in parallel
- Abstraction enables ease of upgrade or transition to new storage platform

Clinical Data Integration

UCP provides metadata integration to API-supported storage platforms (CAS/ COS/Cloud), enabling you to define data management rules and clinical information lifecycle management (ILM) policies within the storage medium itself. Key features include:

- Important metadata attributes provided to storage platforms, more than just date/time/size of file created
- ILM policies driven from storage media
- Ability to define replication rules, number of copies, tiers, spin-down directly within the storage platform

Service Orchestration

The service orchestration component is the “integration gateway” to UCP providing the ability for other systems and applications to connect using standard web services to store, retrieve or federate clinical content within the system. Key features include:

- Workflow – Federation (FIND/MOVE) and update services (tag mapping)
- Access – Retrieve content through WADO/MMT/direct web services
- RESTful interface for DICOM/HL7 metadata access, data mining, OData support
- Web service-ready adapters to simplify XDS adoption
Migration
A successful clinical data migration requires experience, flexible software tools, technical expertise and well-defined processes. Since 2003, Acuo has successfully migrated from and to every major PACS product and storage solution in the marketplace. We provide consultation services that help you understand our flexible migration tools and in-depth assessments that help you select the best migration option.

Support
Acuo offers global customers and partners a variety of support options, including an online customer care center that lets you download software updates, search for problem fixes, log a case or view issue status from anywhere at any time.

Project Management
Our project managers guide customers through each phase of implementation and migration, from kick-off to completion, offering in-depth knowledge of PM tools and methodologies, clinical content management and workflow.

Training
Acuo offers basic training that focuses on daily tasks and troubleshooting, advanced training that covers all system components and advanced troubleshooting and custom training tailored to your needs.

Universal Clinical Platform
Vendor-Neutral Archive Foundation for Enterprise Clinical Content Management, Patient Care Collaboration and High-Definition EMR Enablement

Mandates for demonstration of meaningful use of healthcare data bring big pressures and deadlines. This problem is intensified by the fact that most health IT systems were not built with the goal of supporting a connected ecosystem that would yield a complete picture of a patient’s entire healthcare experience. Consequently, gaining access to all the information needed to deliver a fully-equipped electronic medical record (EMR) solution could become a frustrating and expensive nightmare for business and IT leaders.

Acuo Technologies is the world leader in clinical content management and data migration technology. Our Universal Clinical Platform (UCP) is an enterprise solution built on a next-generation vendor neutral archive (VNA) foundation. UCP is designed for organizations that want to achieve full interoperability across multiple disparate systems by consolidating long-term data management. UCP unlocks clinical content held captive in departmental systems, providing extreme data liquidity that eliminates migration headaches and accelerates patient data to the point of need.

UCP’s embedded intelligent workflow capabilities, including clinical and business analytics, enable providers to increase operational efficiency and enhance patient outcomes. Streamlined access to clinical data using UCP’s true VNA benefits all patients, resulting in faster, more accurate care at a lower cost to the healthcare institution. The virtualization of storage, network and application resources combined with a service-oriented delivery model allows providers to sync their medical imaging practice with modern IT strategies adopted in the enterprise, including cloud computing. Acuo’s Universal Clinical Platform provides:

- A powerful solution for managing all enterprise clinical content
- Liberation of clinical data from departmental silos
- Interoperability across all PACS and data storage solutions
- Extreme IT flexibility, virtualization, configurability and scalability
- Freedom and agility to pursue strategic objectives

With VNA implementation experience that spans all major PACS vendors and storage providers, Acuo is focused on making all the components of a healthcare ecosystem work better together. UCP is the technology foundation all healthcare organizations ultimately need to achieve the "High-Definition EMR™".

For more information on the Universal Clinical Platform, email info@acuotech.com or visit www.acuotech.com.