

CTMS Studio

The Problem We Solve



Modern clinical protocols are incredibly dense. Research teams routinely navigate 80+ page unstructured PDF documents, parsing through intricate main texts and complex appendices (B, C, D...). Extracting actionable data from these documents has traditionally been a painfully manual, error-prone bottleneck that delays trial activation.

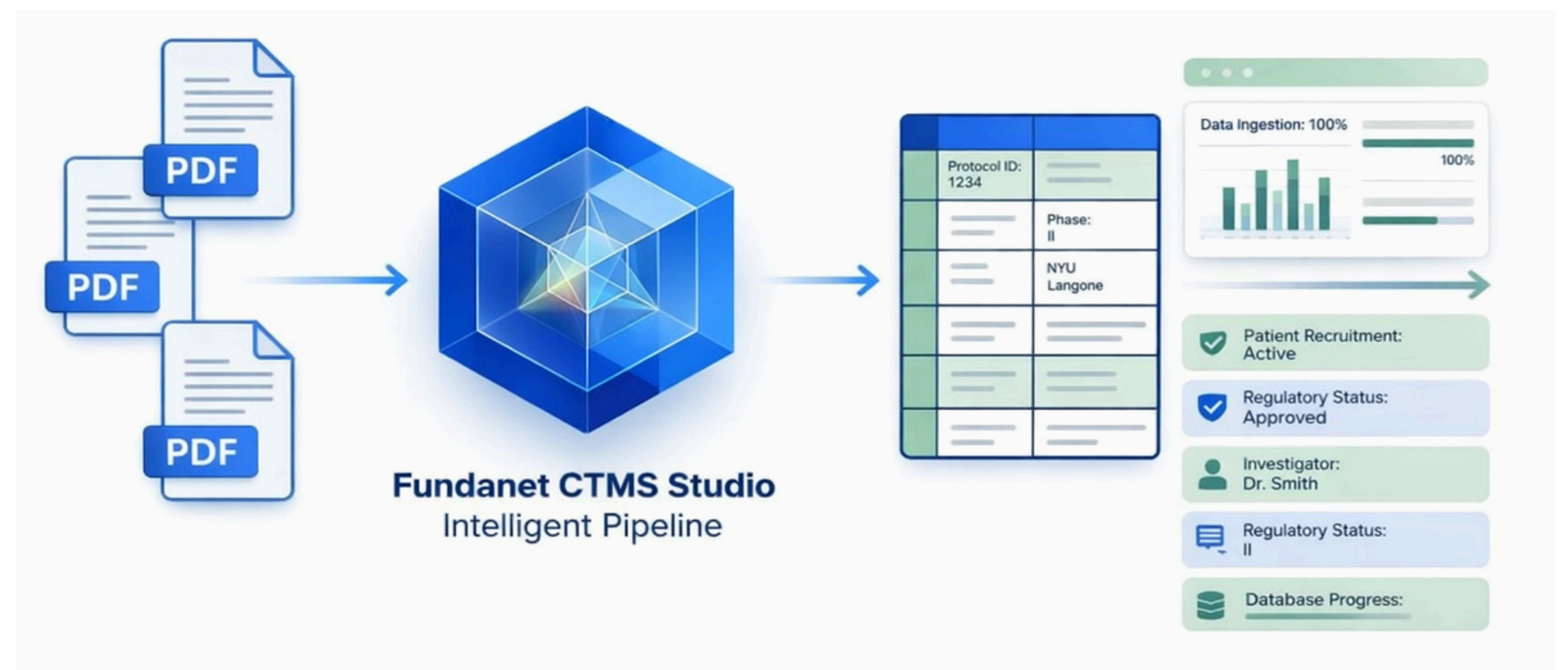
From unstructured documents to actionable intelligence

Fundanet CTMS Studio bridges the semantic gap between narrative clinical protocols and the structured data required by CTMS platforms.

The platform leverages an advanced intelligent pipeline to automatically ingest complex multi-document protocols.

It reads, parses and understands clinical layouts, preserving the original intent while transforming static documents into structured operational data.

By automating protocol operationalization, research teams can eliminate manual study configuration and accelerate clinical trial startup.



Four pillars of trial acceleration

01.

Clinical Excellence

Deep data extraction and scientific mapping.

02.

Operational Efficiency

Automated workflows and global normalization.

03.

Intelligent Assistance

Interactive, grounded protocol querying.

04.

Uncompromising Compliance

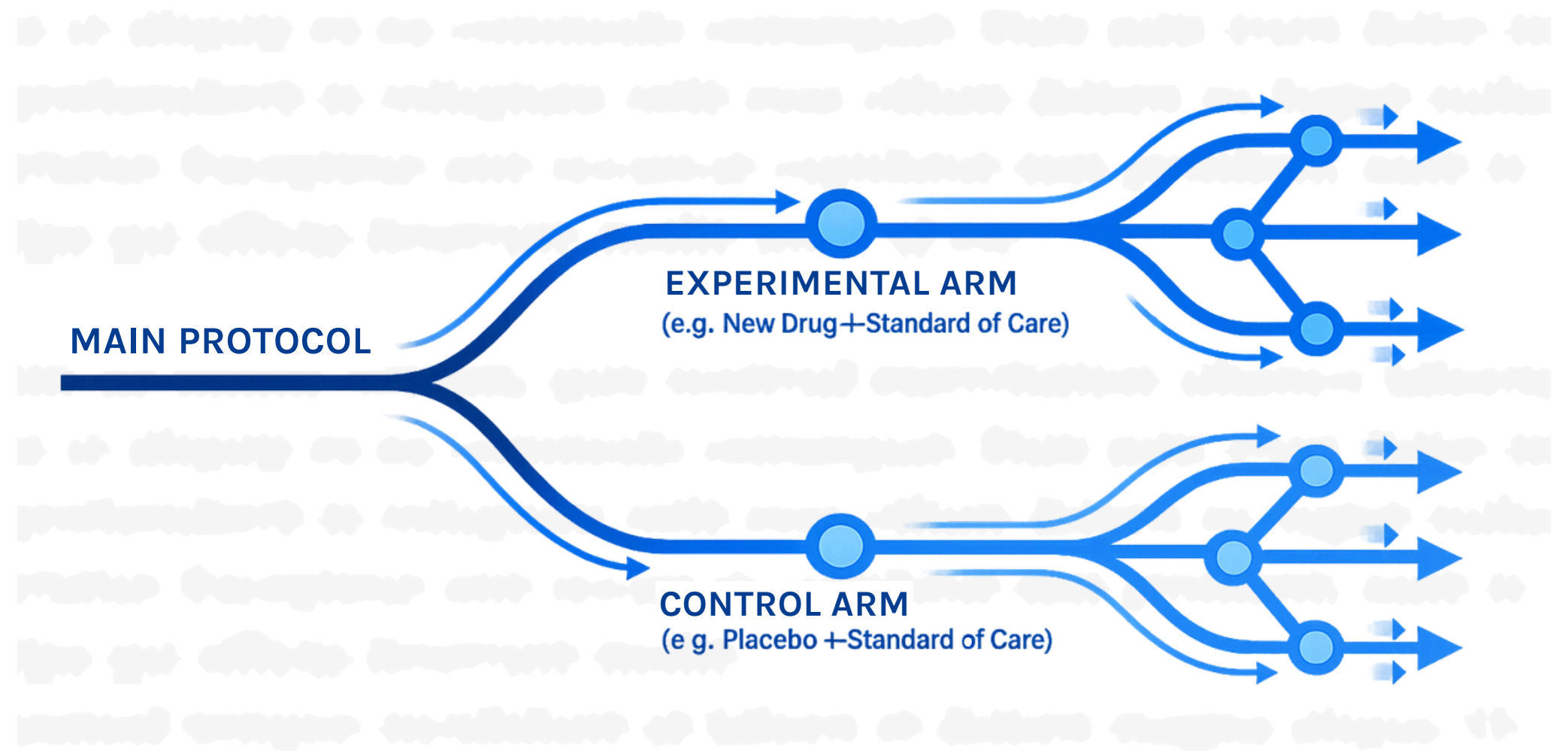
Enterprise-grade security and data residency.

Pillar 1: Clinical Value

Extracting the deep scientific
context of the study



Multi-arm study architecture



Modern clinical protocols often include complex multi-arm study designs and intricate visit schedules that are difficult to operationalize manually.

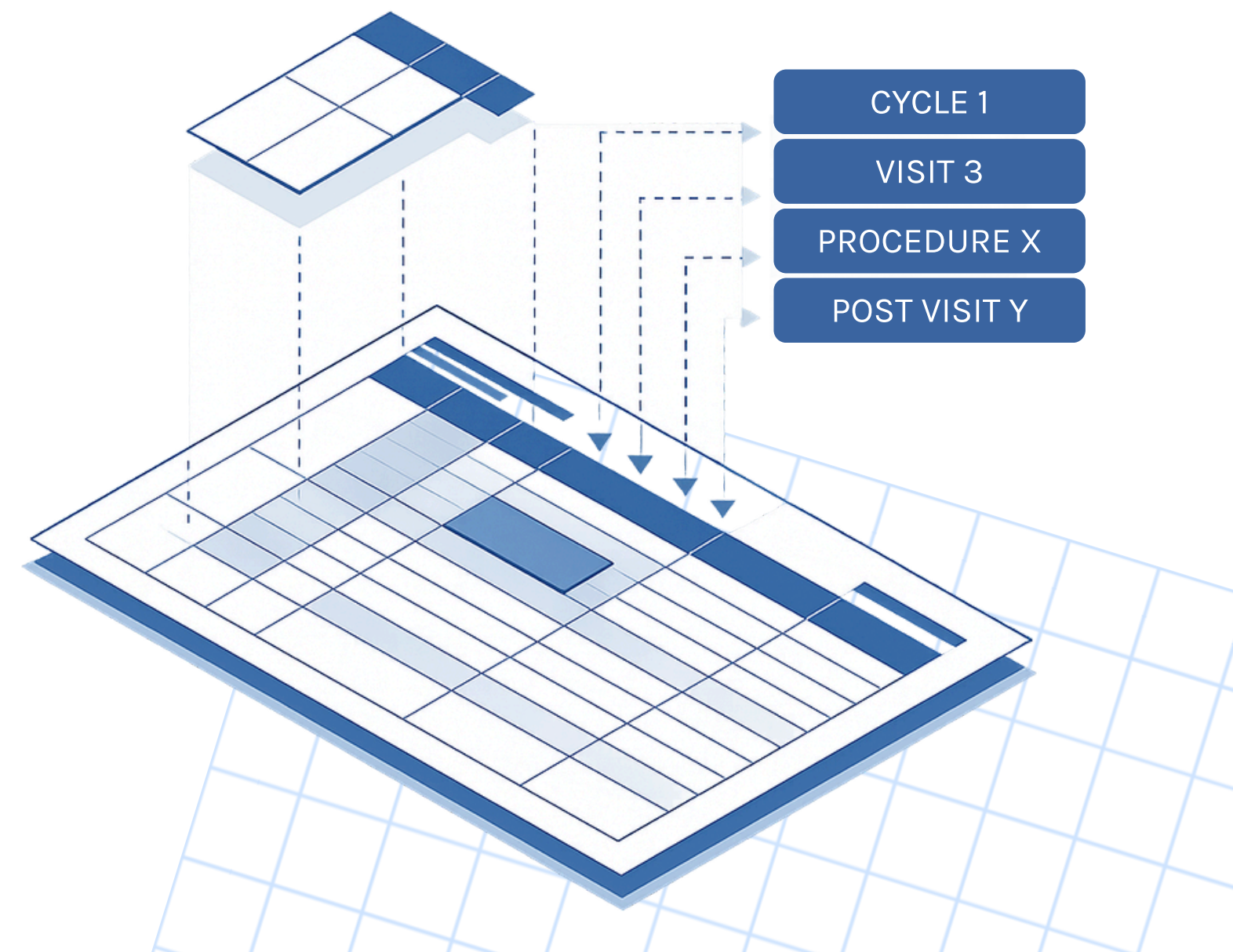
Clinical research rarely follows a single path. The platform's core intelligence layer automatically **detects and maps out complex multi-arm study structures** directly from the unstructured text. It intuitively isolates and categorizes experimental groups versus control groups, ensuring the foundational science is perfectly captured before operationalization begins.

Granular protocol mapping from text to tables

The extraction engine goes far beyond simple text scanning. It **simultaneously processes the main protocol and associated appendices** (B, C, D...), ensuring that procedures defined outside the main document are correctly mapped to the study structure.

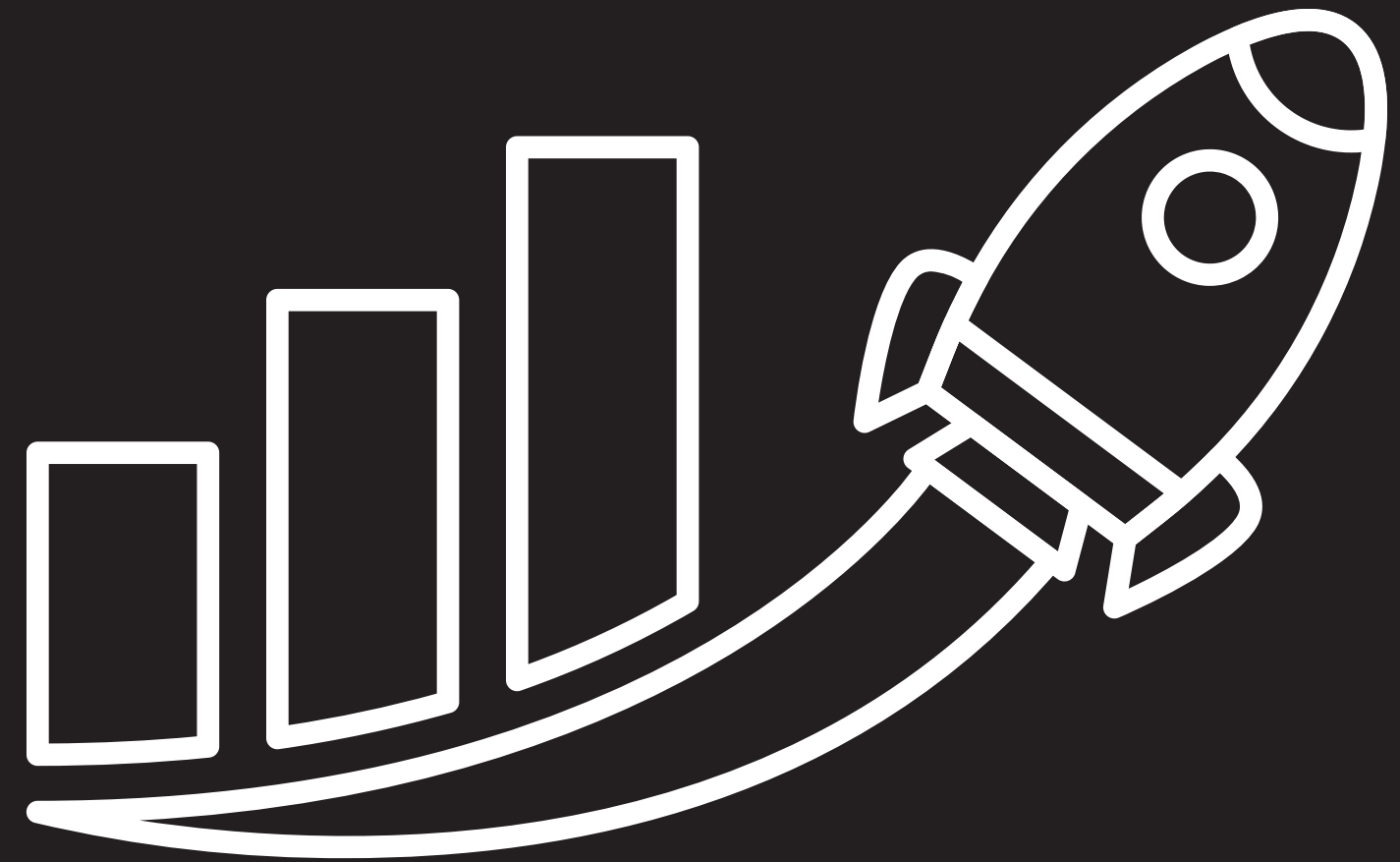
Utilizing advanced layout preservation and table structure recognition, it **identifies and structures the heartbeat of the trial.**

- Cycles
- Visits
- Post-Visits
- Specific Medical Procedures



Pillar 2: Operational Value

Accelerating day to day clinical
workflows.



Automated CTMS template generation

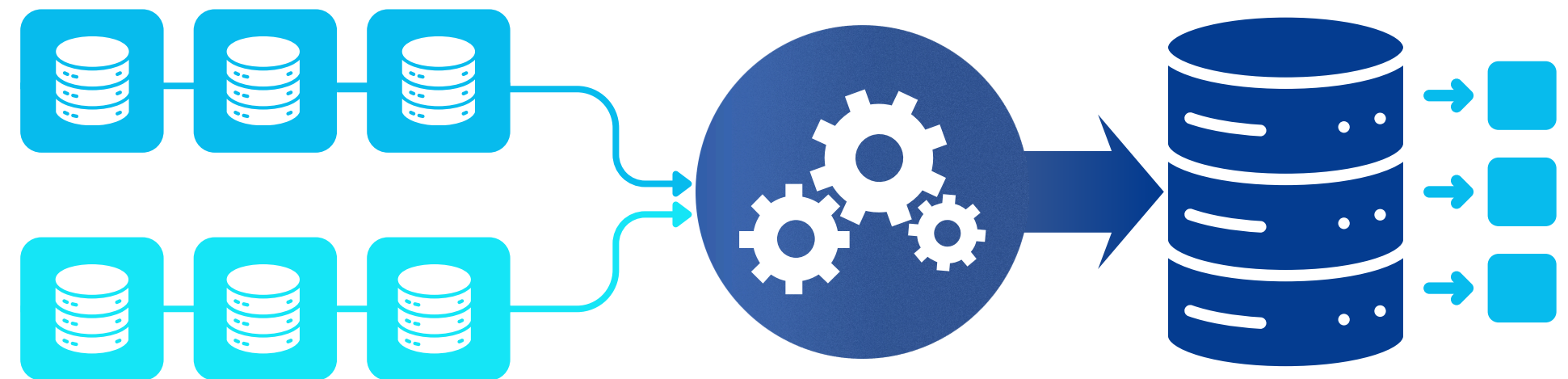


Fundanet CTMS Studio **transforms the extracted clinical data directly into ready-to-use, structured CTMS Excel templates.**

By automating the transition from document to database, research teams eliminate hours of manual data entry, bypass human transcription errors, and drastically accelerate trial setup times. This significantly **reduces study startup delays and accelerates time-to-first-patient.**

Seamless multilingual normalization

Global trials require **operational harmony** across borders. The intelligent pipeline automatically bridges language gaps, normalizing clinical terminology seamlessly across languages (such as translating and aligning Spanish to English).



This ensures absolute consistency in study management, regardless of where the original protocol was authored.

Pillar 3: Intelligent Protocol Q&A

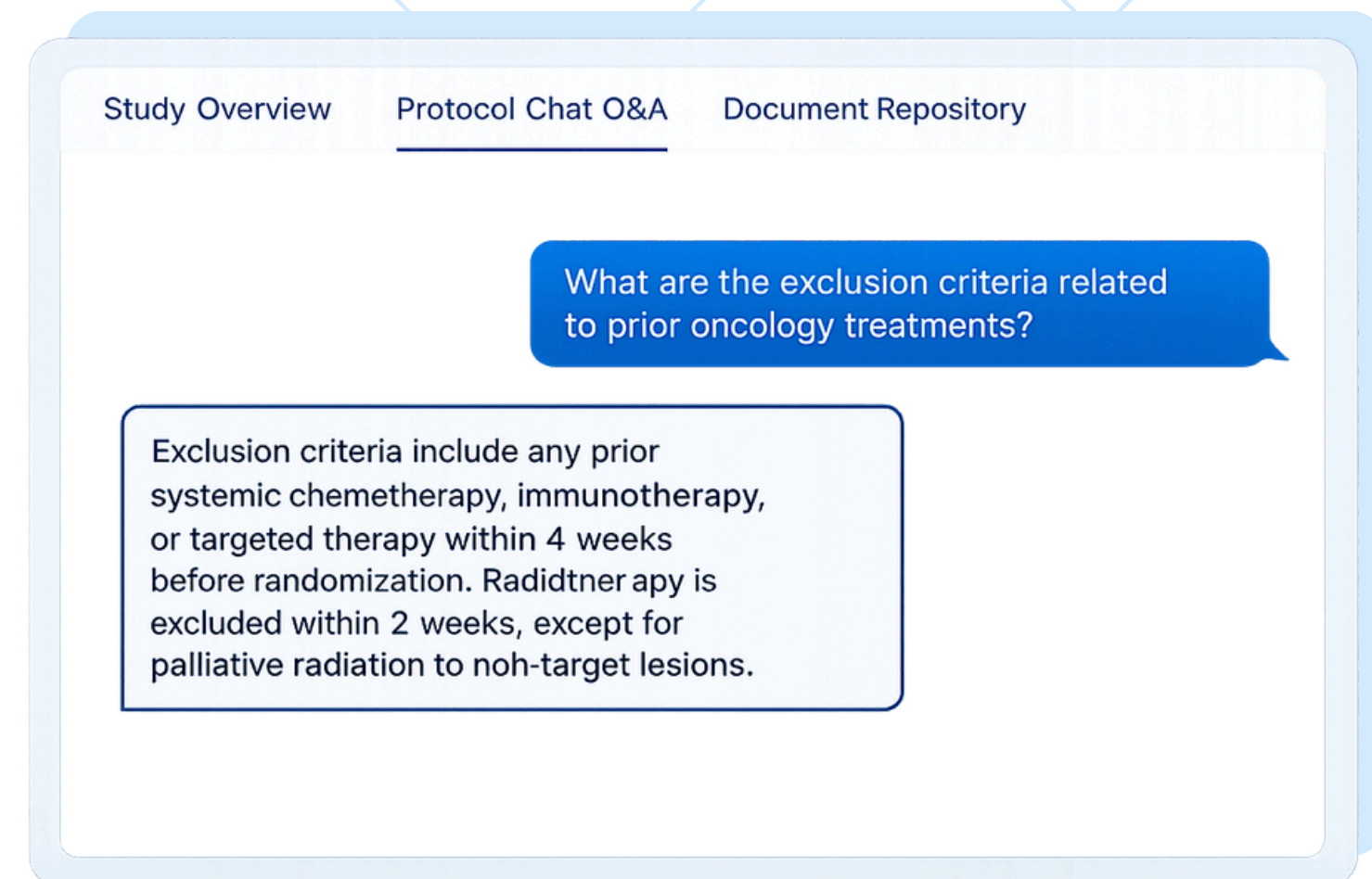
Conversing securely with the
clinical protocol.



Instant answers through semantic search

Research teams can **interact directly with the study** through a secure, context-aware chat interface. Users can ask highly complex questions about the protocol and appendices, receiving instant, highly accurate answers. By utilizing a powerful Semantic Search Engine and query normalization, the platform understands the deep intent behind every question.

Query normalization allows the system to **understand varied clinical terminology** (such as “vitals” vs “physical exam”) and map it to the exact definitions contained in the protocol.



Contextual grounding and absolute accuracy

Clinical decisions require zero hallucinations. The Q&A assistant is strictly constrained to the ingested multi-document knowledge base. Advanced off-topic detection and content filtering ensure that every generated answer is directly grounded in the specific, immutable truth of the study protocol.

This ensures a **grounded clinical AI environment where every response remains traceable to the original protocol source.**



Pillar 4: Security & Compliance

The uncompromising enterprise
trust layer



Strict European data residency

Clinical data demands the **highest caliber of protection and regulatory adherence**. Fundanet CTMS Studio guarantees that all document processing, AI orchestration, and artifact storage remain strictly within the boundaries of the European Union (utilizing secure deployments in West Europe and France Central).

The platform supports **ALCOA+** principles of data **integrity** ensuring that clinical data remains attributable, legible, contemporaneous, original and accurate.



Granular access and multi-tenant isolation

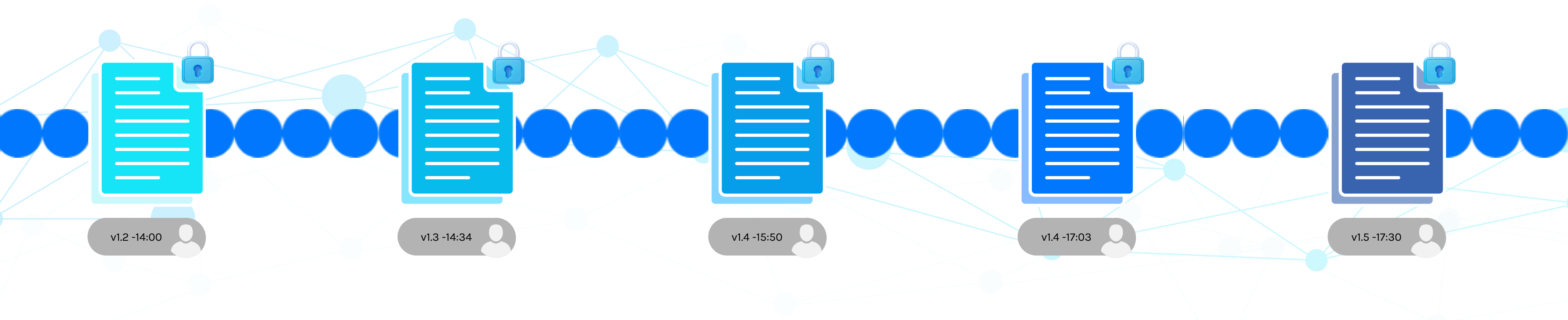
Access to sensitive study data is tightly governed by a comprehensive Role-Based Access Control (RBAC) architecture. The system enforces **strict multi-tenant organizational isolation** and **supports 8 hierarchical role levels**, including:

- super admin
- admin
- creator
- viewer



Immutable auditability and snapshotting

Every action within the platform is fully traceable. Fundanet CTMS Studio maintains immutable, version-controlled study snapshots to ensure historical integrity. Coupled with comprehensive, user-attributed activity logging per study, study organizations maintain a perfect, verifiable audit trail at all times.



Enterprise-grade infrastructure security

The application environment is fortified from the ground up to protect clinical assets.



Enterprise Secret Management

Utilizing Azure Key Vault for the secure handling of all credentials and tokens.



Network Security

Deployed via managed container environments with internal reverse proxies and strict TLS termination.



Secure Authentication

Enterprise identity management with JWT token validation.

The complete clinical ecosystem

Fundanet CTMS Studio is not just an extraction tool; it is a **comprehensive ecosystem**.

By uniting profound scientific comprehension, rapid operational outputs, intelligent protocol interaction, and uncompromising security, research organizations can finally break the bottleneck of manual protocol processing.



Token consumption

50,000 tokens are included when the account is created.

These tokens are used to process documents, extract data and generate structured study artifacts.



Create User

2,000 tokens



Create Study

3,000 tokens



Chat questions

100 tokens

Accelerating clinical research with absolute confidence



Transform your most complex clinical protocols into structured
operational intelligence, securely and instantly.