



# Pyxgen — Interoperability Capabilities Statement

Interoperability for Healthcare & Enterprise Systems — Rhapsody-centric delivery

**Engagement: Corp-to-Corp (C2C)**

**Focus: Oncology, Clinical Trials, ERP Integration**

## Core Competencies

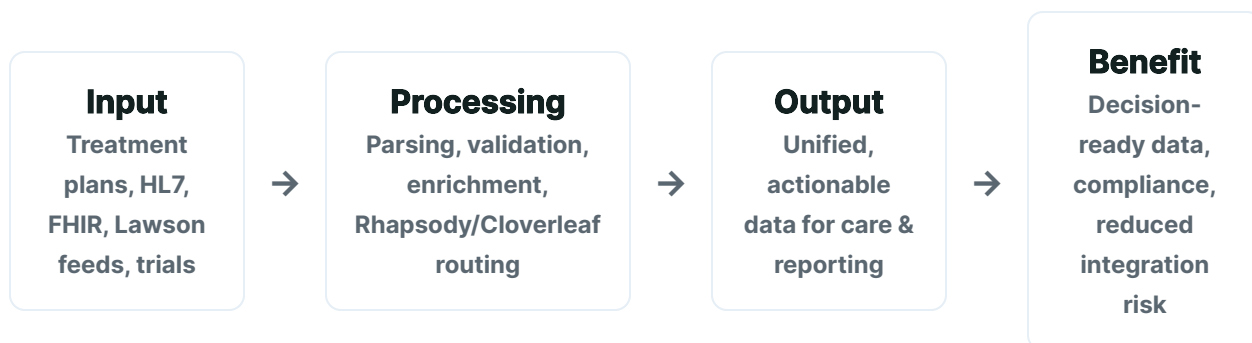
- **Healthcare Data Integration — HL7 v2, FHIR, X12, JSON** for oncology workflows & clinical trials
- **Rhapsody & Cloverleaf — Channel design, routing, enrichment, remediation, production support**
- **API & Cloud Engineering — Secure APIs** for treatment plans, labs, imaging, and Lawson ERP feeds
- **Python-Based Pipelines — Pyxgen framework** for reliable, auditable processing
- **Security & Compliance — HIPAA, PHI, and research compliance** baked into pipelines

## Rhapsody Detail

Rhapsody is our primary integration engine for clinical and enterprise interfaces. We leverage it to build robust, production-grade channels that ensure message fidelity, error remediation, and traceable routing.

- **Channel architecture:** listeners, translators, filters, and listeners for synchronous & asynchronous flows
- **Message enrichment & transformation:** advanced mapping, lookups, scripting, and remediation patterns
- **Monitoring & support:** alerts, dead letter handling, replay strategies, and runbook-ready channels
- **Interoperability:** HL7-to-FHIR facades, API adapters, and Lawson ERP bridges

## Pyxgen Framework — Clean → Decision pipeline



## Differentiators

**Rhapsody-Centric Delivery — Specialized in Rhapsody channel**

## Past Performance & Background

Selected engagements and capabilities:

- **Designed and maintained Rhapsody channels for HL7 v2,**

design, remediation patterns, and production support.

**Oncology & Trials Focus** — Handles complex care pathways, trial reporting, and research compliance.

**Platform-Agnostic** — Works across EHRs, labs, imaging, Lawson ERP, and payer systems.

**Decision-Driven** — Cleans data to be actionable at point of care.

FHIR, and custom APIs across hospital systems.

- Built Cloverleaf interfaces bridging labs, imaging, and clinical systems.
- Lawson ERP integration exposure — HR, Finance, and supply chain feeds integrated via Rhapsody adapters.
- Delivered decision-ready oncology data to clinical and payer systems.