



DATA+INTELLIGENCE

FOR THE SCIENTIFIC ENTERPRISE



L7INFORMATICS.com

DATA+INTELLIGENCE for the Scientific Enterprise

L7 Informatics reimagines data intelligence for modern life sciences and healthcare organizations. Beyond simple data management, L7 provides tools that optimize the flow of information between process and people, unlocking innovation at every stage of the clinical, research, and manufacturing value chains. Our comprehensive operating environment and software stack bring flexible, secure, and collaborative data intelligence to your entire operation. From regulatory compliance and workflow orchestration to customized applications and integrations, our end-to-end transformation engine helps organizations solve the challenges of today and realize the opportunities of tomorrow.

Our Platform

L7 | ESP is designed to unlock innovation at every stage of the clinical, research, and manufacturing value chain. From data and workflow orchestration – to custom apps and integrations, L7 | ESP is an end-to-end transformation engine to help solve the challenges of today and realize the opportunities of tomorrow.



Our Business Apps

L7 | ESP is a unified platform with a number of pre-built best-in-class apps: ELN, LIMS, Sample Management, Inventory, Analysis, EBR (Electronic Batch Records), Dashboards, Data, Intelligence, Environmental Monitoring, Builders, Search, etc.

L7 | LIMS

L7 | LIMS directs Entities, Samples, Inventory, Assets, etc. through processing steps in workflows and across workflow-chains.

L7 | Electronic Lab Notebook (ELN)

ELN app in L7 | ESP is used for capturing data while executing unstructured experiments for research and protocol/method/assay development.

L7 | Environmental Monitoring (EM)

EM app in L7 | ESP is used for executing environmental monitoring and testing of clean room surfaces, air monitoring and personnel monitoring. EM provides scheduling capability as well as integration to LIMS app to support all the testing.

L7 | Location

In L7 | ESP, the Location app is used to manage the containers (e.g., wells, plates, racks, storage boxes, freezers, room in a lab, greenhouses, inventory storage etc.) and all the samples or entities that are stored in them. L7 | ESP can also model virtual locations where samples and inventory items are being stored.

L7 | Scheduling

Scheduling app in L7 | ESP is used for the manual scheduling of manufacturing clean rooms.

L7 | Manufacturing Execution System (MES)

L7 | MES is used for electronic data capture of batches. The app supports equipment integration, automated calculations, inventory consumption and asset usage. The app has full support for part 11 compliant signatures and PDF generation of the batch record after the completion of the batch record.

L7 | Inventory

The Inventory app tracks the use and inventory levels of any consumable such as reagents, kits, and other materials used in lab and manufacturing operations. Enables alerting of low inventory levels, reordering of supplies, etc.

L7 | Clinical Operations

Clinical Operations app in L7 | ESP is used to manage clinical operations for autologous cell-based therapies. The app manages the vein-to-vein chain of Identity and chain of custody and provides real time visibility to manufacturing slots to all the clinical trial sites as well as integration to logistics providers. The app can be used post FDA approval for tracking the chain of identity and chain of custody.

L7 | Stability

Stability app in L7 | ESP is used for the automated scheduling of stability studies of manufactured batches of drug products and drug substances.

Our Standard Apps

L7 | ESP includes a suite of best-in-class for common, core capabilities app.

Search

Securely search globally across all the data stored in L7 | ESP.

Data

Complete access to all data files.

Projects

Display details of all projects, experiments and manage workflow chain plans.

Report

View metrics displayed on the Dashboards app in an organized manner.

Ingest

Easy mechanism for importing and loading samples and other entities.

Dashboards

High-level operational metrics of what's happening in the labs and clean rooms.

Samples

Manage samples and display chain of identity.

Assets

Manage assets used in the execution of laboratory and manufacturing operations.

Entities

Track business objects in a lab or clean room as they progress through various workflows.

L7 | ESP is Tailored for a Variety of Industries

Precision Therapeutics: Digitalize Research-to-Commercialization

To enable scalability with compliance in Cell & Gene Therapy (CGT) processes, fast-growing BioTech organizations need a unified composable, and cloud-agnostic IT platform. Improve data integrity with connectivity, RWD/RWE capture, and collaboration. The L7 | Precision Therapeutics solution can strengthen the understanding between process, product, and patient outcomes – from research-to-commercialization.



BUSINESS BENEFITS

VELOCITY

- accelerate sample-to-drug

EFFICIENCY

- easy to implement and user-driven
- no rip and replace of existing systems

COMPLIANCE

- CFR part11/GCP/GMP

SOLUTION CAPABILITIES

INTEGRITY

- single data and process automation platform
- integrated and validated environment strengthen the understanding between process, product, and patient outcomes

COLLABORATION

- better collaboration between all stakeholders

CONNECTIVITY

- software
- environmental monitoring
- bio-process equipment
- quality control instrumentation

Precision Medicine: Digitalize Diagnostics-to-Results

From molecular diagnostics, targeted-therapy decision-support, personalized care-plans and outcomes tracking – the mature Pharma organization needs a modern scientific information management solution. The L7 | Precision Medicine solution can streamline and automate workflows and data-capture across the clinical pathway, with traceability-and-tracking (Col/C), with full auditability – from diagnosis-to-results.



 BUSINESS BENEFITS	 SOLUTION CAPABILITIES
<p>VELOCITY</p> <ul style="list-style-type: none"> • expedite searches for patient treatment status and cohorts • decision-support • capture treatment outcomes <p>EFFICIENCY</p> <ul style="list-style-type: none"> • easy to access data & documentation • reduce cost of outcomes-research <p>COMPLIANCE</p> <ul style="list-style-type: none"> • CAP/CLIA/cGMP/CFR part11 and HIPAA • improved accuracy of submissions for regulatory approvals • complete audit support 	<p>INTEGRITY</p> <ul style="list-style-type: none"> • single data and process automation platform • streamline and automate workflows and data-capture across the clinical pathway • traceability (chain of identity and custody) and auditability • end-to-end tracking of the patient treatment <p>COLLABORATION</p> <ul style="list-style-type: none"> • better collaboration between researchers, physicians, nurses, and informaticians <p>CONNECTIVITY</p> <ul style="list-style-type: none"> • scientific instrumentation • medical devices • imaging systems • electronic medical records (EMR) • health-monitoring apps and devices • digital pathology systems • lab informatics • lab instrumentation • software; AI/ML, ERP, etc.

Precision Diagnostics: Digitalize Order-to-Report

To deliver superior diagnostic service with decreased turn-around time (TAT) – with confidence in the results, the modern diagnostics organization needs improved data + process integrity, connectivity, and collaboration. The L7 Precision Diagnostics solution provides data and workflow automation and integration with data compliance to automate and accelerate diagnostic processes – from order-to-sample, and results-to-report.



 BUSINESS BENEFITS	 SOLUTION CAPABILITIES
<p>VELOCITY</p> <ul style="list-style-type: none"> • increase sample throughput • faster sample-to-report <p>EFFICIENCY</p> <ul style="list-style-type: none"> • easy to access & documentation • better reproducibility <p>COMPLIANCE</p> <ul style="list-style-type: none"> • CAP/CLIA/GLP/cGMP/CFR part 11/510(k) • improved accuracy of submissions for regulatory approvals 	<p>INTEGRITY</p> <ul style="list-style-type: none"> • digitalizing, integrating, and automating scientific, analytical, and operational workflows • fully integrated and automated process (e.g., NGS workflow) • assurance of quality in results <p>COLLABORATION</p> <ul style="list-style-type: none"> • better collaboration between all stakeholders <p>CONNECTIVITY</p> <ul style="list-style-type: none"> • wet lab & sequencing instrumentation • electronic medical records (EMR)

Precision Research: Digitalize Experiment-to-Insight

To operate efficiently, the modern research organization needs to increase velocity, improve efficiency – and ensure compliance. This requires improved data and process-integrity, connectivity, and collaboration. The L7 Precision Research solution provides data and workflow automation and integration with data compliance to automate and improve research life-cycle processes, from experiment-to-insight.



 BUSINESS BENEFITS	 SOLUTION CAPABILITIES
<p>VELOCITY</p> <ul style="list-style-type: none"> • expedite discoveries <p>EFFICIENCY</p> <ul style="list-style-type: none"> • easy to access data • incorporate home-brewed solutions into your workflow <p>COMPLIANCE</p> <ul style="list-style-type: none"> • utilize compliant data 	<p>INTEGRITY</p> <ul style="list-style-type: none"> • end-to-end sample lineage, workflow automation, and data provenance • single operational platform • unified management of scientific knowledge processes and data <p>COLLABORATION</p> <ul style="list-style-type: none"> • better collaboration between researchers <p>CONNECTIVITY</p> <ul style="list-style-type: none"> • lab, sequencing, and quality instrumentation • bar-code scanning

Precision Agriculture: Digitalize Sample-to-Report

To support R&D processes from trait or vector creation to a new seed / plant / breed with end-to-end sample lineage and regulatory compliant automation – modern agrigenomics and crop / animal sciences organizations need a modern scientific information management solution. L7 | Precision Agriculture delivers complete visibility, control, and compliance – to improve overall velocity and efficiency, from sample-to-report.



 BUSINESS BENEFITS	 SOLUTION CAPABILITIES
<p>VELOCITY</p> <ul style="list-style-type: none"> • process visibility and control <p>EFFICIENCY</p> <ul style="list-style-type: none"> • easy to access data & documentation <p>COMPLIANCE</p> <ul style="list-style-type: none"> • FDA/GMP/GLP 	<p>INTEGRITY</p> <ul style="list-style-type: none"> • single operational platform with full audit capabilities • automate data management comprehensively • sample-to-answer provenance <p>COLLABORATION</p> <ul style="list-style-type: none"> • better collaboration between researchers and scientists • automates and synchronizes data and processes across all stakeholders <p>CONNECTIVITY</p> <ul style="list-style-type: none"> • lab and quality instrumentation • bar-code scanning

L7 | Digital+Science

Digitalization + Transformation

Digitalization and Transformation are no longer buzzwords – but a business imperative. L7 enables you to meet evolving scientific and business needs with the tools to create, share and reuse your own data & process models, execute multi-party workflows with value-chain partners, with the data-integrity and provenance to support increasing intelligence.



L7 | MASTER

L7 | MASTER (aka Builders) is a low-code authoring tool that enables your citizen-developers, scientists and process engineers to design and develop new data and process models + variants.



L7 | HUB

L7 | HUB is your repository of portable, standardized content—including workflows, data models, and analytics packages—organized in a searchable storefront.



L7 | INTELLIGENCE

To deliver on the promise of precision healthcare and life sciences, L7 enables the mining of data to generate prospective and predictive Intelligence and models.



L7 | EXCHANGE

L7 | EXCHANGE enables disconnected teams and partner organizations to securely orchestrate multi-party workflows—involving apps, processes, and legacy systems unique to each group.

Recent Recognitions of L7 Informatics' Performance & Credibility

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Deloitte Technology 'Fast 500' 2021

With a 3-year growth of 8,288%, L7 Informatics is ranked #26 and #1 Life Sciences Software.



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Gartner 'Cool Vendor' 2020

In 2020, L7 was one of only five companies recognized in the Gartner Cool Vendors in Life Sciences report that technology leaders should watch to help accelerate life science business results.

