xLytix

CAPABILITY DOCUMENT

Data. Context. Intelligence. Action.

A unified platform for governed data, analytics, operational intelligence and AI-enabled decision support.

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xLytix by UXLI | Simplifying Data, Amplifying Innovation

About this document

This capability document presents the scope, value and delivery approach of xLytix. It is designed for executive sponsors, business leaders, data and technology teams, procurement functions, implementation partners and organizations evaluating a modern data, analytics and operational intelligence platform.

Positioning statement

xLytix helps organizations move from fragmented data tools and specialist-dependent reporting to a unified, governed and business-accessible operating model - connecting data, creating trusted context, delivering analytics and enabling faster action from one platform.

Document contents

1. Executive summary

Most organisations do not suffer from a lack of data. They struggle because data is fragmented across systems, engineering remains specialist-dependent, governance is separated from delivery, reporting cycles are slow, and business context is held by a small number of experts. xLytix addresses this by bringing the full data-to-decision lifecycle into a single governed platform.

xLytix is a cloud-agnostic data, analytics, governance and operational intelligence platform. It enables organisations to connect and synchronise data, build reusable models, define trusted business meaning, monitor quality and operations, create dashboards and applications, capture manual data, plan and forecast, and interact with information using natural language.

ONE	END-TO-END	CLOUD	AI-READY
unified platform	data-to-action lifecycle	agnostic deployment	governed context layer

The value proposition

SPEED

Deliver faster

Reduce hand-offs between engineering, governance, analytics and business teams through a shared platform and reusable assets.

OPERATING MODEL

Lower specialist dependency

Enable analysts and domain users to perform more of the lifecycle while engineering teams focus on complex, high-value work.

GOVERNANCE

Increase trust

Embed lineage, quality, glossary, ownership, access controls and impact analysis directly into the delivery workflow.

BUSINESS VALUE

Turn insight into action

Combine dashboards, conversational analytics, planning, forms, workflow and operational applications in the same environment.

In practical terms

xLytix can enhance an existing cloud data platform and reporting estate, or provide a complete modern foundation for organisations starting their data and AI journey. It does not require customers to discard their existing investments; it unifies, accelerates and governs how those investments are used.

2. xLytix at a glance

xLytix provides a modular but integrated environment across data integration, modelling, governance, analytics, AI, operations and business applications. Customers can adopt the full platform or begin with a priority use case and expand over time.

Capability area	What xLytix enables	Business value
Connect & Sync	Connect source systems, ingest structured and semi-structured data, schedule synchronisation and manage destinations.	Faster source onboarding and repeatable data movement.
Model	Transform, join, aggregate and publish analytical data products using visual, SQL and Python-enabled workflows.	Lean data product development with reusable logic.
Govern	Catalogue assets, define business terms, track lineage, profile data, apply quality rules and manage PII and ownership.	Trusted, explainable and compliant data.
Analyse	Create dashboards, metrics, visualisations, filters, drill-downs and embedded analytical experiences.	Consistent decision support across teams.
DataDialogue	Ask business questions in natural language and generate governed SQL, explanations and recommended visualisations.	Broader access to data without requiring SQL expertise.
Operate	Design, schedule, execute and monitor data flows, dependencies, logs, failures and recovery actions.	Reliable production operations and faster incident resolution.
Smart Forms & Applications	Capture, validate, approve and operationalise manual or workflow-driven data through configurable applications.	Digitised business processes without bespoke development.
Planning	Manage budgets, forecasts, scenarios, approvals and write-back against actual performance.	Connected planning and faster reforecasting.
Business Context	Map domains, entities, KPIs, rules, actions and relationships to make AI and analytics business-aware.	Scalable institutional knowledge and stronger AI answers.

Typical adoption paths

EXISTING ESTATE

Modernise an existing BI estate

Retain current platforms while unifying engineering, governance and reporting delivery.

GREENFIELD

Build a new data and AI foundation

Create a governed cloud data and AI foundation without assembling multiple products.

SOLUTION-LED

Deploy an industry solution

Start with preconfigured KPIs, models, dashboards, forms and workflows for a priority problem.

SELF-SERVICE

Enable business self-service

Give analysts controlled access to data preparation, models, analysis and workflows.

3. Business challenges addressed

xLytix is designed around recurring organisational constraints that are not solved by adding another isolated dashboard or AI assistant.

Capability area	What xLytix enables	Business value
Fragmented toolchain	Data movement, transformation, governance, reporting, workflow and AI are often delivered through separate products and teams.	A single platform and shared metadata layer reduce hand-offs, duplicated configuration and operational complexity.
Slow delivery	New reports and data products require long queues across engineering, architecture, governance and BI teams.	Visual design, reusable templates, shared models and integrated testing shorten the path from requirement to production.
Expert dependency	Business interpretation and system knowledge live in a small number of employees or external specialists.	Business context, lineage, glossary and reusable rules capture and scale organisational knowledge.
Low trust in data	Conflicting metrics, missing lineage, weak quality controls and unclear ownership create rework and debate.	Governance and quality are embedded into assets and pipelines instead of being managed as a separate afterthought.
AI without context	Generic AI tools can generate plausible answers without understanding business definitions, relationships or control boundaries.	xLytix grounds AI interactions in governed schemas, metrics, sample values, context and validation rules.
Insight-action gap	Dashboards identify a problem but users must switch systems to capture decisions, execute workflows or update plans.	Analytics, forms, planning, workflow and action tracking can be delivered together.

Target operating model shift

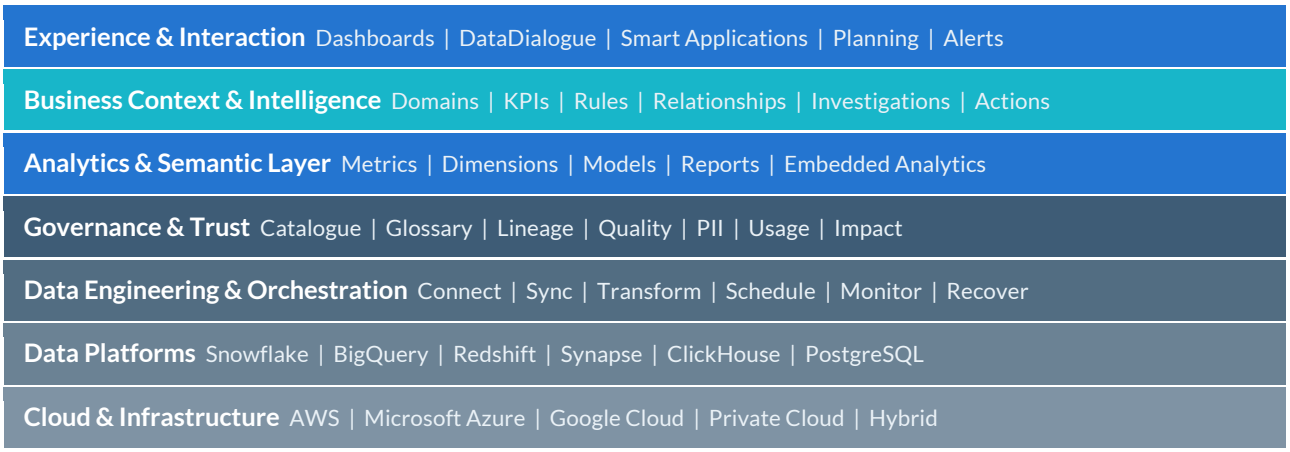
1	2	3	4	5	6
Connect	**Build**	**Govern**	**Understand**	**Decide**	**Act**
Source onboarding	Models and data products	Trust and control	Analytics and dialogue	Plan and investigate	Forms, workflow and operations

Core principle

The platform is designed so governance, business meaning and operational control are part of delivery - not separate projects that happen after data and reports have already been built.

4. Platform architecture and operating model

xLytix sits above and alongside a customer's data infrastructure. It orchestrates the data lifecycle, stores reusable metadata and context, and provides the user experiences required by engineers, analysts, governance teams and business users.



Architecture principles

- ✓ Cloud and warehouse agnostic: support for major public clouds and analytical data platforms.
- ✓ Modular adoption: customers can start with a defined capability or industry solution and expand without replacing the foundation.
- ✓ Metadata-driven: assets, fields, lineage, quality rules, metrics, glossary terms and permissions are reusable across modules.
- ✓ Open integration: APIs, connectors and standard data stores allow xLytix to coexist with existing applications, orchestration tools and BI products.
- ✓ Business-accessible: visual workflows and guided experiences reduce dependency on specialist code for common delivery activities.
- ✓ Enterprise-controlled: role-based access, environment separation, auditability and operational monitoring support production deployment.

Supported deployment patterns

ENTERPRISE

Customer cloud deployment

xLytix is deployed within the customer-controlled cloud environment and uses the customer's chosen storage, warehouse and identity services.

REGULATED

Private or hybrid deployment

Sensitive workloads can remain in private infrastructure while selected data services operate in public cloud environments.

MODERN STACK

Platform overlay

xLytix uses an existing Snowflake, BigQuery, Redshift, Synapse, ClickHouse or PostgreSQL estate as the data platform underneath.

ACCELERATOR

Solution instance

A preconfigured industry solution is deployed with tailored models, KPIs, forms, dashboards and workflows.

5. Core platform capabilities

The following sections describe the main functional capabilities available across the xLytix platform. The platform is deliberately designed for participation at different skill levels: guided and visual experiences allow business users and analysts to complete common activities, while SQL, Python, APIs and extensible services give engineers and data scientists the depth required for advanced work. All users operate within shared metadata, lineage, security and quality controls, so broader access does not mean loss of governance.

5.1 Connect, ingest and synchronise data

xLytix Sync provides a configurable integration layer for moving data from operational systems into the customer's selected cloud warehouse, analytical database or data lake. Its connector framework supports multiple source categories—including relational databases, business applications and SaaS services, REST APIs, files and spreadsheets, cloud object storage and cloud data platforms - and can be extended for customer - specific sources. Guided configuration enables analysts and platform administrators to onboard standard sources, while engineers retain control over complex connectivity, authentication and extraction patterns.

- Create and centrally manage reusable source and destination connections through guided interfaces.
- Discover schemas, select tables or objects, inspect fields and preview source data before ingestion.
- Synchronise database tables, application data, APIs, files and semi-structured data into supported destinations.
- Support full, incremental and scheduled load patterns, including change-based ingestion where the source permits it.
- Map and harmonise datatypes, field names and structures consistently across different source technologies.
- Apply naming, metadata, ownership and environment conventions as data is onboarded.
- Attach data quality checks and operational controls directly to ingestion flows.
- Monitor run history, status, errors and retries and reuse configured patterns across environments.

> **Why it matters**
> New data can be made available faster without writing a bespoke pipeline for every source. Analysts can handle standard onboarding through controlled configuration, engineers can focus on genuinely complex integration, and downstream users receive traceable, monitored and consistently structured data sooner.

5.2 Data modelling and transformation

xLytix Model enables teams to create governed analytical data products through visual modelling, SQL and Python within one workspace. Business and data analysts can assemble models visually and apply familiar operations such as joins, filters, calculations, unions and aggregations; SQL specialists can implement complex warehouse logic; and Python users can add advanced enrichment, statistical or domain-specific processing. Each approach produces managed outputs with common metadata, validation and lineage rather than isolated scripts or desktop transformations.

- Build models on a visual canvas using source, join, filter, selection, aggregation, union and output components.
- Start from reusable star-schema, snowflake, dimension, fact, reporting and solution templates.
- Use join assistance, datatype compatibility checks and validation warnings to reduce modelling errors.
- Create calculated fields, business rules, reusable dimensions, facts and business-ready reporting tables.
- Develop SQL models for complex transformations while retaining platform execution, metadata and lineage.
- Use Python-enabled models for advanced analytics, enrichment and specialist processing.
- Preview, test and inspect intermediate results before publishing to the selected data platform.
- Publish governed data products and assess upstream dependencies and downstream impact before change or release.

Why it matters

Different users can contribute at the level that matches their skills: business analysts work visually, technical analysts use SQL and advanced specialists use Python. Shared controls turn this wider participation into reusable enterprise data products instead of creating another layer of ungoverned self-service logic.

5.3 Data governance and trust

xLytix Govern creates a connected view of technical assets, business meaning, ownership, quality and usage across the platform. Governance metadata is generated and maintained as part of normal ingestion, modelling, analytics and application delivery rather than being documented retrospectively. Business users can discover approved data and understand definitions and trust indicators at the point of use; stewards can manage terms, classifications and quality expectations; and engineers can see dependencies and change impact.

DISCOVER

Catalogue and discovery

Explore sources, connections, tables, models, dashboards, planning assets, forms and pipelines from a common catalogue.

UNDERSTAND

Business glossary

Define terms, owners, definitions, synonyms and approved usage so users understand what data means.

EXPLAIN

Lineage and impact

Trace field- and asset-level relationships from source through model, metric, dashboard and application.

TRUST

Quality management

Profile data, create rules, monitor results, investigate failures and connect quality to business-critical assets.

PROTECT

PII and classification

Identify, classify and control personal or sensitive information with policies and masking patterns.

IMPROVE

Usage and readiness

Assess asset completeness, adoption, quality coverage and operational readiness.

Why it matters

People are more likely to use data when they can find the right asset, understand what it means, see who owns it and judge whether it is reliable. Embedded governance reduces reconciliation debates and gives a much wider population the confidence to use shared data without depending on a small group of experts to explain every dataset.

5.4 Analytics and dashboards

xLytix Analyse turns governed models into interactive dashboards and reusable analytical experiences for operational, management and executive users. Analysts can build through guided visual authoring rather than coding every report, while consumers receive curated views with controlled filters, drill paths and access. Because charts and dashboards reuse governed dimensions, metrics and business definitions, self-service exploration remains consistent with the organisation's agreed view of performance.

- Create interactive dashboards using KPI, chart, table, trend and comparative visualisations.
- Configure filters, cross-filtering, drill-down, hierarchies and time-based analysis without writing application code.
- Reuse governed measures, dimensions, calculations and semantic definitions across multiple dashboards.
- Design operational, management and executive experiences from the same trusted data foundation.
- Apply responsive layouts and role-based content access for different audiences and devices.
- Embed analytical content into portals, smart applications and customer-facing experiences where required.
- Connect analytical assets to glossary definitions, lineage and quality information so users can understand and trust the result.

- Use reusable components and templates to accelerate consistent reporting across functions, domains and customers.

Why it matters

Business teams can explore and act on information without learning database structures or waiting for every question to enter a reporting backlog. Analysts create and reuse governed content faster, while common definitions prevent self-service from producing multiple versions of the same KPI.

5.5 DataDialogue: conversational analytics

DataDialogue gives users a conversational route into governed enterprise data. A user can ask a business question in natural language without knowing the underlying table names, joins or SQL syntax; xLytix interprets the intent, retrieves relevant schema and business context, generates and validates SQL, and presents the result as data, a recommended visualisation or an explanation. Follow-up questions preserve conversational context so users can refine an investigation rather than restarting with each query.

- Ask natural-language questions across approved datasets and semantic models without requiring SQL expertise.
- Interpret business intent, measures, dimensions, filters, time periods and comparative questions.
- Retrieve relevant context from schema metadata, descriptions, glossary terms, relationships and sample values.
- Generate SQL with validation, retry and fallback controls before execution.
- Support follow-up questions, multiple related queries and conversation context.
- Recommend appropriate charts and provide concise narrative explanations of returned results.
- Respect user permissions and restrict queries to authorised data and controlled execution paths.
- Extend from a direct answer into multi-step investigation, evidence gathering and recommended action.

Key distinction

DataDialogue broadens access beyond people who know SQL or have been trained on a particular dashboard, but it is not an unrestricted chatbot over raw data. It complements governed reporting by grounding questions in approved assets, business context, permissions and validation controls.

5.6 Data operations and orchestration

xLytix Operate converts ingestion, modelling and control activities into reliable production data flows. Teams can assemble and schedule dependencies visually, test execution, monitor runs and investigate failures from a common workspace. Analysts can operationalise approved models without handing every step to a separate orchestration team, while platform engineers retain oversight of logs, retries, performance and production controls.

- Design end-to-end data flows containing connection, synchronisation, modelling, quality and control steps.
- Create visual dependencies, task groups, joins and execution sequences and validate them before release.
- Schedule recurring or on-demand execution and manage enabled, paused and production states.
- Monitor running, queued, successful, failed and retrying tasks from a common operational view.
- Inspect task-level logs, error details and execution history and retry or recover failed steps.
- Identify performance hotspots, recurring incidents and service-level trends.
- Relate technical failures to affected datasets, models, dashboards and business processes through lineage.
- Provide shared visibility for analysts, engineering, support and business owners during issue resolution.

Why it matters

Data is only usable when it is current, reliable and recoverable. A shared operational view reduces hand-offs between analysts and engineers, helps support teams resolve failures faster and gives business owners visibility into the downstream impact of technical issues.

5.7 Smart Forms and Smart Applications

Many important business processes depend on information that does not exist in core systems or is still collected through spreadsheets, email and disconnected forms. xLytix Smart Forms and Smart Applications provide a configurable application layer for capturing, validating, approving and acting on that information. Analysts and application administrators can configure common processes without bespoke development, while developers can extend integrations and specialist behaviours where needed.

CAPTURE

Configurable forms

Create standard, linked, tabular and master-detail forms with validation, lookup, calculated and conditional fields.

EXPERIENCE

Operational applications

Assemble pages, resources, actions and business workflows into role-specific smart applications.

CONTROL

Workflow and approvals

Route submissions for review, approval, rejection, revision and status tracking.

INTEGRATE

Connected data

Link forms and applications to master data, analytical models and operational processes.

MOBILISE

Barcode and QR support

Generate and scan identifiers for plant, asset, inventory, inspection and field-service scenarios.

ASSURE

Audit and governance

Retain user, timestamp, change and approval history for controlled manual data processes.

Why it matters

Business users can capture missing operational data and complete decisions in the same governed environment used for analytics. This replaces fragmented spreadsheets and email approvals, improves completeness and auditability, and closes the gap between seeing an issue in a dashboard and taking controlled action.

5.8 Planning, forecasting and write-back

xLytix Planning connects trusted actual performance with budgets, forecasts, targets and scenarios. Planning analysts can configure models across business dimensions, measures, fiscal calendars and time grains, while contributors enter or revise plans through controlled workflows. Because planning uses the same governed data and analytical layer as reporting, organisations avoid repeatedly exporting actuals and reconciling disconnected spreadsheet models.

- Create budget, forecast, target, rolling forecast and scenario versions within governed planning models.
- Configure weekly, monthly, quarterly and annual horizons, including customer-specific fiscal calendars.
- Define planning dimensions, measures, hierarchies, calculation logic and write-back structures.
- Hydrate trusted actuals and compare performance against plan, prior forecast, target or scenario.
- Support draft, review, approval, rejection, revision and archive workflows with clear ownership.
- Use wide or tall write-back models and natural-key based updates to fit the target data architecture.
- Connect plans to dashboards, commentary, operational forms and management decision workflows.
- Reuse planning templates across departments, business units, products, regions or customer deployments.

Why it matters

Finance and operational teams can own more of the planning cycle without consolidating multiple spreadsheets or waiting for technical teams to rebuild every scenario. Managers work from consistent actuals, assumptions and versions, making reforecasting faster and decisions easier to explain.

5.9 Data quality and observability

xLytix treats data quality and observability as cross-platform capabilities rather than a separate technical exercise. Profiles and rules can be configured by analysts and data stewards, executed within ingestion and modelling flows, and surfaced to users through governance and operational views. Technical health and data health are connected so teams can distinguish between a failed pipeline, a delayed dataset and a successfully delivered dataset that contains unreliable information.

- Profile datasets for completeness, distributions, distinct values, nulls, ranges and other structural indicators.
- Configure reusable rules covering completeness, uniqueness, validity, patterns, thresholds and referential integrity.
- Apply quality controls to source ingestion, intermediate models and published data products.
- Define severity, ownership, thresholds and evidence so failures can be prioritised and investigated consistently.
- Manage issue queues, investigation status, remediation actions and resolution history.
- Use lineage to identify dashboards, applications and processes affected by failed or degraded data.
- Track trends across quality scores, rule outcomes, pipeline reliability and asset readiness.
- Expose quality and trust indicators alongside catalogue and analytical assets at the point of consumption.

Why it matters

Broader self-service is sustainable only when users can see whether data is fit for purpose. Business consumers gain visible trust signals, stewards can maintain rules without writing full pipelines, and technical teams can focus remediation on the issues with the greatest downstream business impact.

6. AI, business context and operational intelligence

The next evolution of enterprise analytics is not simply generating more charts or answers. It is enabling systems to understand how the business works, investigate evidence across domains and support action. xLytix is being designed around this business-context foundation.

6.1 Business Context Platform

The xLytix Business Context Platform captures relationships between business domains, entities, KPIs, rules, processes, actions and data evidence. This creates a machine-readable representation of organisational knowledge that can be used by analytics, AI and workflow services.

1	2	3	4	5	6
Domain	**Entity**	**KPI**	**Rule**	**Relationship**	**Action**
Business area	What is managed	How success is measured	What conditions matter	How concepts connect	What should happen next

6.2 Investigation and decision support

1. Interpret the business intent behind a question or detected issue.
2. Identify the relevant KPIs, entities, time periods, rules and data sources.
3. Plan the evidence required to answer the question.
4. Run multiple analytical queries and checks rather than relying on a single SQL result.
5. Compose a business finding that explains what happened, why it matters and what evidence supports it.
6. Recommend actions, escalation paths or follow-up analysis based on defined context and policy.

6.3 AI enablement principles

TRUST

Grounded

AI interactions use approved data, schema, metrics, sample values, lineage and business context.

CONTROL

Validated

Generated SQL, calculations and outputs are checked before execution or presentation.

SECURITY

Permission-aware

Users can only access the data and capabilities permitted by their role and scope.

TRANSPARENCY

Explainable

Answers can reference definitions, assumptions, data sources and supporting evidence.

OUTCOME

Action-oriented

Insights can connect to planning, workflows, forms and operational tasks.

CHOICE

Extensible

The platform can use different models and providers while retaining the governed context layer.

Strategic outcome

xLytix helps organisations build an AI-ready operating foundation without separating AI experiments from data governance, business definitions and production control.

7. Industry solutions and use cases

xLytix can be deployed as a horizontal platform or as a preconfigured solution package containing common data models, KPIs, quality rules, forms, workflows, dashboards and conversational questions.

Industry	Priority challenges	xLytix solution patterns	Example outcomes
Manufacturing	Disconnected plant data, manual production records, downtime, quality loss, planning gaps.	Production intelligence, OEE, downtime, quality, energy, maintenance, inventory, supplier and planning applications.	Faster root-cause analysis, improved throughput, reduced manual reporting and stronger operational control.
Banking & financial services	NPA risk, regulatory reporting, KYC reconciliation, data quality, branch performance.	Customer and account models, NPA indicators, KYC exception workflow, statutory reporting, glossary, PII and data controls.	Earlier risk identification, faster reconciliation, improved reporting integrity and stronger governance.
Telecommunications	Customer fragmentation, churn, service quality, channel performance and cross-domain analysis.	Customer 360, product, usage, billing, network, care, campaign and churn analytics with governed access.	Improved customer understanding, faster insight and cross-functional self-service.
Public sector	Siloed citizen services, manual returns, weak performance visibility and constrained data access.	Citizen/service analytics, programme monitoring, smart forms, grants, inspections, case workflows and public dashboards.	Better service oversight, reduced manual consolidation and more transparent outcomes.
Utilities & contact centres	High call volumes, repeat contacts, complaints, service-level pressure and fragmented agent information.	Interaction analytics, reason and outcome analysis, agent performance, vulnerable customer workflows and demand forecasting.	Reduced repeat contact, improved service levels and more targeted operational action.
Retail & distribution	Sales, inventory, margin, promotion, supplier and fulfilment data spread across systems.	Sales and margin analytics, assortment, stock, pricing, supplier, store and fulfilment intelligence.	Improved availability, margin visibility and faster commercial decisions.

Industry	Priority challenges	xLytix solution patterns	Example outcomes
Higher education	Student lifecycle fragmentation, retention risk, admissions, finance and regulatory reporting.	Student 360, progression, attendance, wellbeing indicators, course performance, finance and planning.	Earlier intervention, better retention and joined-up institutional reporting.
Sustainability & ESG	Data collected manually, unclear definitions, auditability gaps and changing reporting expectations.	Metric catalogue, smart forms, evidence workflows, emissions and resource models, quality controls and reporting packs.	More reliable data collection, traceable evidence and repeatable reporting.

Reusable solution components

- ✓ Industry-aligned source mapping templates and canonical data models.
- ✓ Predefined facts, dimensions, KPIs, calculations and data quality rules.
- ✓ Executive, operational and exception-management dashboards.
- ✓ Smart forms and workflows for data capture, approvals and exception resolution.
- ✓ Business glossary, classifications, lineage patterns and ownership roles.
- ✓ DataDialogue example questions and business-context objects.
- ✓ Implementation playbook, test scenarios and deployment checklist.

8. Security, governance and enterprise readiness

xLytix is designed to operate within an enterprise control environment. Security and governance controls are applied across user access, data assets, workflows and operations.

8.1 Identity and access control

- Role-based access control across subscriptions, spaces, modules, assets and actions.
- Separation of create, view, update, delete, execute, approve and administrative permissions.
- Integration-ready identity model for enterprise single sign-on and directory services.
- Environment and workspace separation for business units, projects or clients.
- Permission-aware analytics, DataDialogue and operational actions.

8.2 Data protection and governance

- Sensitive data classification and PII metadata.
- Column-level masking and controlled data exposure patterns where supported by the underlying platform.
- Glossary, ownership, stewardship and policy linkage.
- Lineage and impact analysis across data products and consumption assets.
- Audit metadata for changes, submissions, approvals and operational runs.
- Data quality controls and exception-management workflow.

8.3 Operational readiness

OPERATE

Monitoring

Run status, task health, pipeline logs, data quality results and operational exceptions.

CONTROL

Change impact

Understand dependencies before modifying fields, models, metrics or schedules.

RELEASE

Environment promotion

Support controlled movement of assets across development, test and production patterns.

RESILIENCE

Backup and recovery

Align platform configuration and data recovery with the selected hosting and database architecture.

SCALE

Scalability

Use the underlying cloud and analytical platform to scale storage and compute independently.

ASSURANCE

Auditability

Retain metadata and histories needed to explain what changed, who acted and what was affected.

Customer-specific assurance

Final security architecture, control mapping, encryption, retention, high availability and disaster-recovery arrangements are defined during solution design based on the customer's deployment environment and regulatory obligations.

9. Implementation and service delivery

xLytix engagements are structured to create early business value while establishing a reusable platform foundation. Delivery can range from a focused pilot to a multi-domain enterprise rollout.

9.1 Delivery lifecycle

1	2	3	4	5	6	7
Discover	**Design**	**Configure**	**Build**	**Validate**	**Deploy**	**Scale**
Outcomes and priorities	Architecture and controls	Platform and connectors	Data, KPIs and apps	Business and technical testing	Release and adoption	More domains and use cases

9.2 Typical workstreams

Capability area	What xLytix enables	Business value
Business and solution design	Business outcomes, personas, process maps, KPI definitions, use-case prioritisation and solution blueprint.	Clear scope and measurable success criteria.
Platform and architecture	Cloud deployment, identity, environments, destinations, connectivity, security and operational design.	A scalable and supportable foundation.
Data engineering	Source onboarding, mapping, synchronisation, modelling, testing and performance optimisation.	Trusted and reusable data products.
Governance	Catalogue, glossary, ownership, lineage, classifications, quality rules and stewardship workflow.	Assurance embedded from the start.
Analytics and applications	Dashboards, DataDialogue, smart forms, planning, workflows and embedded experiences.	Direct business adoption and action.
Change and enablement	Training, playbooks, operating model, administrator handover and adoption support.	Sustainable customer capability.

9.3 Engagement models

ASSESS

Discovery and value assessment

A short engagement to define priority use cases, data readiness, expected value and an implementation roadmap.

VALIDATE

Proof of value

A focused implementation using customer data to validate the platform, solution design and measurable outcomes.

PROVE

Pilot deployment

A production-aligned rollout for a business unit, process, plant, function or region with end-user adoption.

SCALE

Enterprise programme

A phased multi-domain rollout with platform governance, migration, operating model and solution factory.

RUN

Managed service

Ongoing platform operation, enhancement, monitoring, support and release management.

EXTEND

Partner enablement

Training and co-delivery for consulting, cloud, systems integration and industry partners.

9.4 Training and knowledge transfer

- Role-based training for administrators, data engineers, analysts, governance teams and business users.
- Configuration standards, naming conventions, release processes and support procedures.
- Reusable implementation templates and solution documentation.
- Train-the-trainer and partner accreditation options.
- Post-go-live hypercare, issue triage and adoption reviews.

10. Why xLytix

xLytix is differentiated not by one isolated feature, but by the way data engineering, governance, analytics, business applications and AI are brought together around shared context.

UNIFIED **One operating surface** Teams work across the lifecycle without repeatedly handing requirements and metadata between disconnected products.	TRUSTED **Governance by design** Lineage, quality, glossary and access controls are embedded in the assets and workflows that create business value.
ACCESSIBLE **Business-accessible delivery** Guided and visual capabilities allow analysts and domain experts to contribute directly while retaining control.	ACTIONABLE **From data to action** Dashboards and dialogue connect to forms, planning, approvals, workflows and operational applications.
INTELLIGENT **AI-ready context** Business definitions, relationships, rules and evidence make AI more relevant and explainable.	FLEXIBLE **Cloud and platform choice** Customers retain flexibility across cloud providers, warehouses and model services.
ACCELERATED **Reusable industry solutions** Preconfigured models, KPIs, forms and workflows accelerate deployment and reduce project risk.	EFFICIENT **Lean delivery economics** Automation and reuse reduce manual engineering effort, specialist dependency and long-term tool complexity.

xLytix alongside an existing technology estate

Existing investment	xLytix contribution	Combined outcome
Cloud data warehouse	Automates ingestion, modelling, governance, operations and consumption around the warehouse.	Greater utilisation of the warehouse with faster delivery and broader business access.
Existing BI tools	Provides governed data products, shared definitions, lineage, quality and operational workflows.	More trusted reporting and the option to rationalise or complement the BI estate.
Data engineering team	Automates common patterns and enables controlled analyst participation.	Engineers focus on complex architecture and high-value data products.
AI or LLM services	Supplies governed context, schema, evidence, permissions and validation.	More reliable enterprise AI with reduced hallucination and stronger control.
Operational applications	Connects analytical insight to smart forms, planning and workflow.	Closed-loop decisions rather than passive reporting.

11. Company and delivery credentials

xLytix is developed by UXLI, a UK-based technology company with experience delivering data, analytics and enterprise transformation programmes across multiple industries and geographies.

Relevant experience

- ✓ Enterprise data, analytics and application delivery across the UK, Europe, Asia, Africa and North America.
- ✓ Experience in manufacturing, telecommunications, transport, utilities, retail, banking, public sector and other data-intensive environments.
- ✓ Delivery across cloud, warehouse, data engineering, governance, BI, AI and operational application disciplines.
- ✓ Ability to combine product deployment with solution design, implementation, integration, training and managed support.

Selected organisational experience

The xLytix and UXLI team has supported programmes or delivered solutions for organisations including StarHub, Arriva, John Bean Technologies, Vodacom, Transport for Wales and other enterprise and public-sector customers. Specific references, scope descriptions and contact arrangements can be provided subject to commercial and confidentiality constraints.

Delivery strengths

PRACTICAL

Product plus implementation

A configurable platform supported by practitioners who understand data architecture, delivery and business adoption.

INTEGRATED

Multi-disciplinary capability

Data engineering, BI, governance, cloud, application development, AI and programme delivery in one team.

OUTCOME-LED

Industry-led design

Solutions begin with operational questions, business processes and measurable outcomes rather than technology features.

COLLABORATIVE

Flexible collaboration

Direct delivery, co-delivery with customer teams, or partner-enabled implementation and support.

Commercial information

Licensing, hosting, implementation, support and managed-service options are tailored to deployment scale, modules, users, data volumes, service levels and customer responsibilities. A detailed proposal is produced following discovery.

12. Appendix: detailed capability matrix

The following matrix can be used in RFPs, procurement responses, architecture reviews and capability assessments. Detailed product demonstrations and technical evidence can be supplied for the capabilities relevant to a specific engagement.

Area	Capability	Description	Status
Connectivity	**Source connectors**	Connect relational databases, files, APIs and cloud services through configurable connections.	Available / extensible
Connectivity	**Destination support**	Use cloud warehouses, analytical databases and data lake storage as platform destinations.	Available
Connectivity	**Incremental loads**	Support full and incremental synchronisation patterns where source capability permits.	Available
Data engineering	**Visual transformation**	Build joins, filters, unions, selections, aggregations and outputs on a visual canvas.	Available
Data engineering	**SQL and Python**	Use code-based logic for advanced transformations and analytical models.	Available
Data engineering	**Reusable templates**	Create repeatable patterns for dimensions, facts, reporting tables and industry models.	Available / configurable
Governance	**Data catalogue**	Register and explore sources, tables, models, dashboards, forms, plans and pipelines.	Available
Governance	**Business glossary**	Define approved business terms, descriptions, synonyms, ownership and usage.	Available
Governance	**Lineage**	Trace asset and field relationships across the platform lifecycle.	Available / expanding
Governance	**Data quality**	Profile data, configure quality rules, execute checks and manage exceptions.	Available
Governance	**PII and classification**	Classify sensitive fields and connect them to access and masking patterns.	Available / platform-dependent
Analytics	**Dashboards**	Create interactive dashboards, visualisations, filters and drill paths.	Available
Analytics	**Semantic reuse**	Reuse governed metrics, dimensions and definitions across analytical assets.	Available / expanding
Conversational AI	**Natural-language queries**	Translate business questions into validated SQL against authorised datasets.	Available
Conversational AI	**Context retrieval**	Use schema, descriptions, sample values, glossary and prior questions to improve interpretation.	Available
Conversational AI	**Chart recommendation**	Recommend visual formats based on result shape and analytical intent.	Available
Operations	**Flow orchestration**	Design and schedule ingestion, modelling and control steps with dependencies.	Available
Operations	**Monitoring and logs**	View run status, task state, logs, retries and failure information.	Available
Operations	**Business impact**	Relate technical issues to downstream assets and business processes.	Available / expanding
Applications	**Smart forms**	Create validated forms connected to platform data and workflows.	Available
Applications	**Master-detail and linked forms**	Support related records, lookups, controlled lists and transactional entry.	Available
Applications	**Smart applications**	Compose role-based pages, resources, actions and business workflows.	Product evolution
Applications	**Barcode and QR**	Generate and scan identifiers for operational scenarios.	Available / configurable

Area	Capability	Description	Status
Planning	**Budget and forecast**	Capture plans across dimensions, measures and configurable time grains.	Available
Planning	**Approval workflow**	Manage draft, review, approval, revision and archive states.	Available
Planning	**Actual vs plan**	Hydrate actual performance and compare it with plans and scenarios.	Available
Business context	**Domain model**	Define domains, entities, KPIs, rules, actions and relationships.	Product evolution
Business context	**Investigation orchestration**	Plan and execute multi-step evidence gathering for business questions.	Product evolution
Security	**Role-based access**	Control module, asset and action permissions by user role and scope.	Available
Security	**Auditability**	Retain operational, data-entry and approval histories.	Available / configurable
Deployment	**Cloud agnostic**	Deploy with AWS, Azure, Google Cloud or hybrid infrastructure patterns.	Supported
Integration	**APIs and extensibility**	Integrate with enterprise systems and extend connectors, workflows and services.	Supported

Indicative success measures

Capability area	What xLytix enables	Business value
Delivery speed	Time from approved requirement to production data product, dashboard or application.	Demonstrates faster time to value.
Engineering efficiency	Manual development effort avoided through templates, visual workflows and reuse.	Demonstrates lower delivery cost and dependency.
Data trust	Quality score, lineage coverage, glossary completeness and reduction in reconciliation effort.	Demonstrates improved confidence and control.
Adoption	Active users, self-service assets, DataDialogue usage and business workflows completed.	Demonstrates sustained business use.
Operational reliability	Pipeline success rate, mean time to detect, mean time to resolve and recurring failure reduction.	Demonstrates production stability.
Business outcome	Use-case-specific measures such as reduced downtime, improved retention, faster reporting or lower repeat contact.	Demonstrates measurable operational value.

xLytix

Turn data into trusted context, intelligence and action.

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