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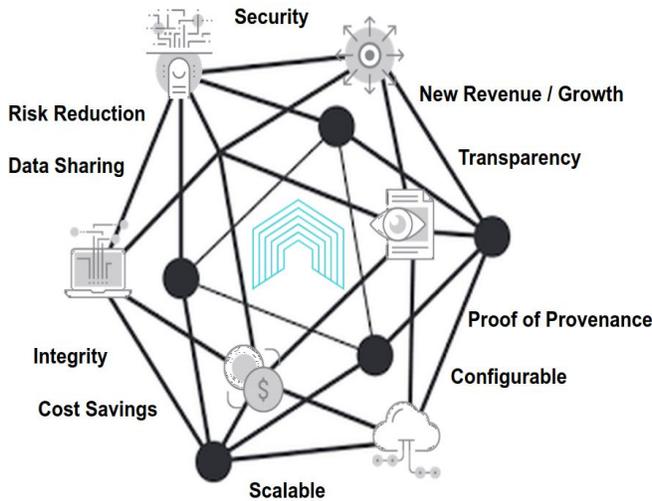
FETCH BLOCKCHAIN LTD

Blockchain Solution for Government Land Registries Summary & Capabilities Checklist



Sesamee™ Technology Summary

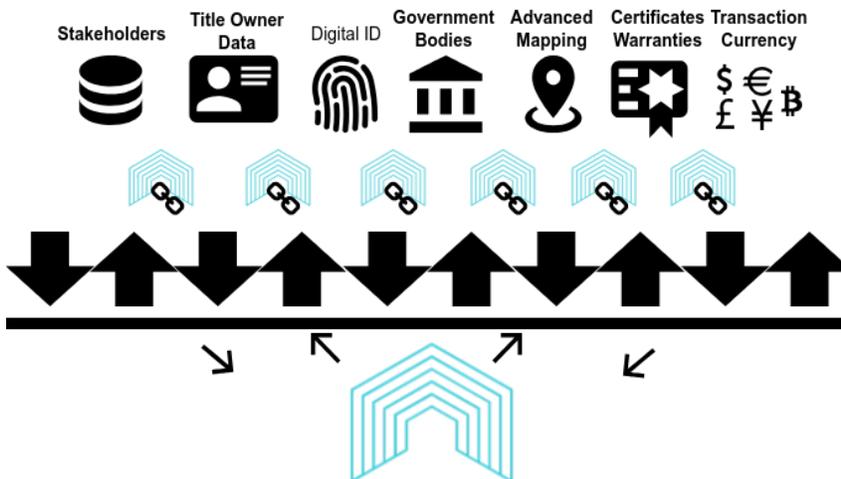
Sesamee™, a patent-pending blockchain technology developed by Fetch Blockchain Ltd, cleans, updates and maintains data dynamically in Land Registry databases to digitally preserve and protect title ownership rights of land and property.



Sesamee's™ blockchain and artificial intelligence takes the guesswork out of title ownership and vital data of property and land rights through its advanced digital identification, artificial intelligence, and geo-mapping solution. Sesamee™ enables Land Registries to run efficiently, maintain proper record keeping and provide it and property owners with peace of mind of its titles. With its distributed ledger code chain, Sesamee™ provides Land Registries a permissioned-based tamper-resistant environment for the most advanced levels of security in the market.

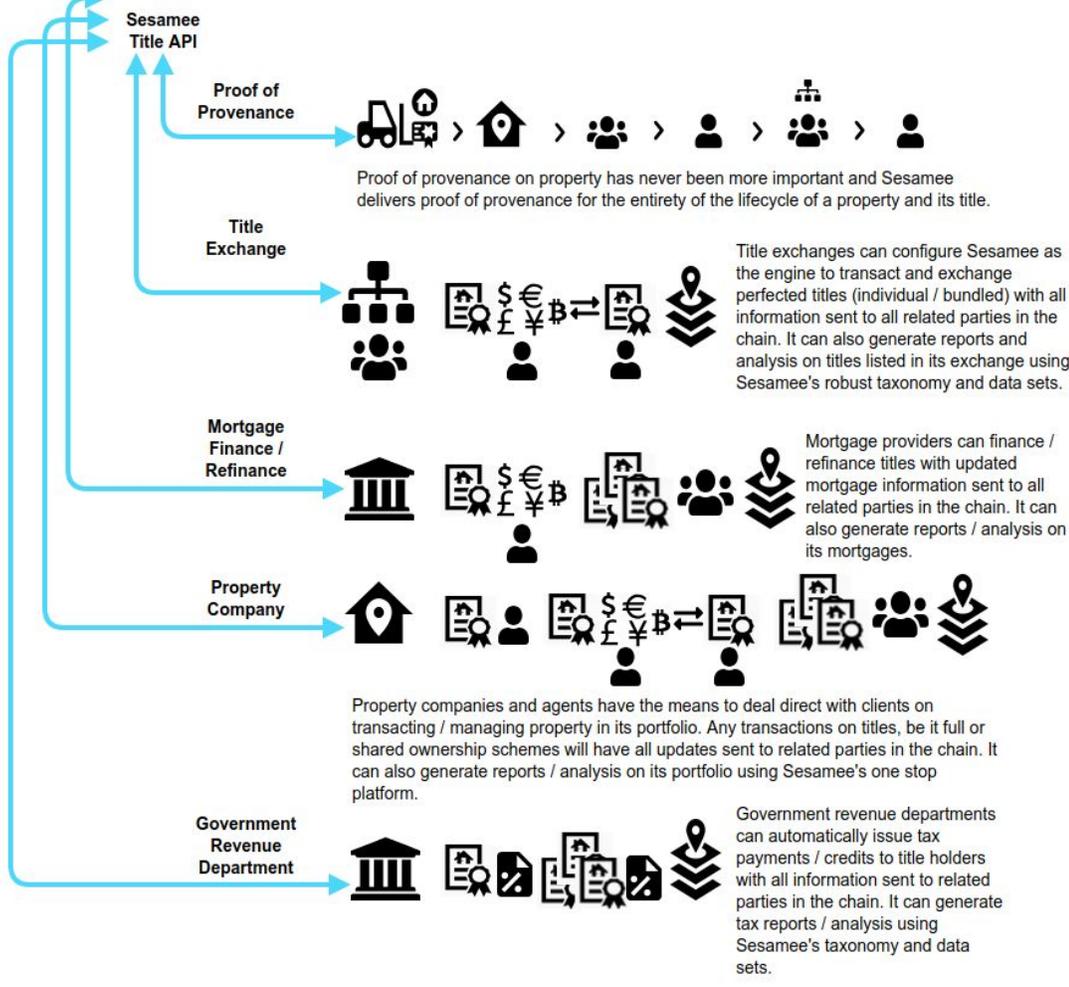
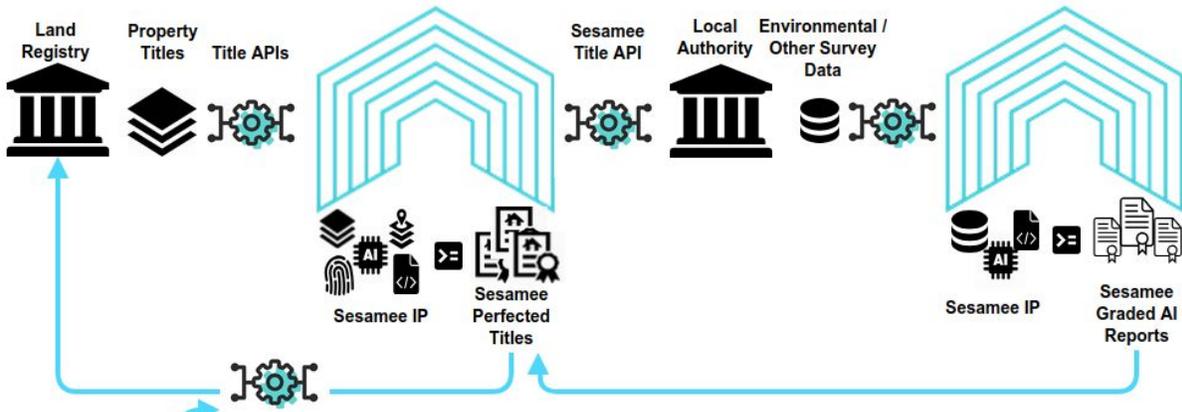
How We Do It

Sesamee™ is the only blockchain technology that provides Land Registries with a highly efficient end-to-end dynamic and tamper-resistant title servicing solution. It is easy to configure to existing Land Registry systems giving a Land Registry the means to own the entire titling and title service request process and/or parts it finds most appropriate.



Sesamee™ provides a Land Registry the means for it and property stakeholders to update, process and request data on a title direct from the Land Registry whilst maintaining the validity and accuracy of its data through its immutable blockchain ledger. Sesamee™ removes the many intermediary and isolated steps that result in increased costs, inefficiencies, delays, fraud, bribery, theft and legal action currently plaguing the real estate process across both advanced and developing markets.

Sesame™ Workflow at a Glance



Sesamee™ Core Offering

The Sesamee™ engine, at its core, provides a Land Registry the means to:

1. Clean its database of errors and duplication without changing current systems. This includes taking hard copy / PDF copies of land titles and processing them through Sesamee to fully digitise all information into keyable information into a database.
2. Digitally identify the actual title owner / entity to a title and provide ongoing notarial acceptance of actual title owner / entity across the real estate process.
3. Digitally map the title with advanced 2D & 3D geo-mapping for air / surface / subsurface rights.
4. Act as an oracle and notary on all digital title service requests. The Sesamee™ technology enables a Land Registry to automate, maintain and preserve through the Sesamee™ code chain all Land Registry digital service requests to ensure errors are not entered into the Land Registry at time of digitally processing service requests.
5. Connect with other APIs from other government / non government systems to add additional information / reporting onto a title
6. Generate AI narrative reports on a title for internal / external stakeholder use

Sesamee™ Add-on Offering

Fetch Blockchain, Ltd can provide Land Registries with front facing user applications and additional datasets that customers and real estate stakeholders may find useful and more efficient. These include:

1. A proof of provenance on title survey / environmental reports as well as on building construction materials, warranties, maintenance reports for premium record keeping.
2. A real estate listing and transaction mobile site powered by the Land Registry title database and Sesamee™ where the title owner can list its title on the market and where buyers can buy direct through different cash / financing options..
3. Tools for new business applications to adopt. These include tools for mortgage providers / banks, property developers, multi-listing sites, conveyancers and others.

Highly Efficient Land Registry Digital Service Requests



Sesamee's™ design and backend architecture is built to be elastic and process millions of digital service requests that Land Registries receive online whilst recording the data and service requests in an immutable and corrupt-free blockchain environment through its code chain.

Architecture

Sesamee's™ powerful engine uses a mix of proprietary technology, frameworks and containers that include Microsoft Azure and Microsoft Blockchain Workbench, Kubernetes, Docker, TensorFlow and R3 Corda,

providing a highly flexible, permission-based solution for added scale, interoperability and security.

Sesamee™ Capabilities	Core	Add-on	Benefits
Connect with existing digital Land Registry database without disrupting existing systems	✓		Easy adoption by Land Registry and Land Registry officers managing titles and database. Highly secure, permissioned-based environment.
Clean up of existing data in Land Registry to remove errors and duplications	✓		Error-free data provides peace of mind to title owners and government agencies for proper tamper-resistant digital record keeping.
Digital Identification of title owner / entity through Sesamee™ Oracle / Notary JSON web token recorded on Sesamee blockchain	✓		JSON web tokens (JWTs) are the industry standard RFC 7519 method on authenticating and representing claims between two parties. Sesamee™ JWTs issued by the Land Registry provides complete authenticated AML / KYC that is accepted by government agencies and third parties. Removes the need for ongoing AML / KYC and duplication of identity in the real estate process against a title.
2D / 3D* GIS Mapping of title	✓		Sesamee™ advanced 2D / 3D* GIS mapping provides title holders and Land Registry immutable review of air / surface and subsurface rights against a title. *3D in development.
Oracle / Notary captured on blockchain of all Land Registry service requests	✓		Sesamee™ provides Land Registry the means to act as the start and end point on all Land Registry digital service requests to maintain corrupt-free database that is highly efficient, tamper-resistant, up to date, and free of errors.
Reports	✓		Generate accurate reports in real time of a variety of Land Registry data sets maintained through Sesamee™ blockchain.
APIs	✓		Connect Land Registry to other government agencies and stakeholder-approved companies to capture relevant registry data in a private manner for other government agencies (eg Government Revenue House) and stakeholders to conduct business processes that affects the data of the registry.
Proof of Provenance		✓	Manage and maintain digital warranties on land and building construction (materials, construction) with the capability for warranty providers to trigger notices of breaches of warranties on materials, construction to Land Registry, government agencies and title owners.
Artificial Intelligence (AI)-generated environmental / surveying reports		✓	Sesamee™ AI algorithms and Natural Language Processing technology generates narrated reports against raw data provided by land authorities with accuracy and validity for use by title owners and other approved third party real estate stakeholders.
Land Registry / Sesamee™ powered marketplace		✓	Land Registries can license its database in a regulated, secure and permission-based environment to third party listings site provider to manage the buy / sell process from start to finish.