From Kitchen Drawer To Digital Twins
An Update For The Digital Twin Hub #Gemini Call
RLBA
Residential
Logbook Association

BACKGROUND TO THE RLBA

The National Deeds Depository

" The Property Logbook Company "

Pip. Property information products

spaciable.

chimni Residential Property Logbooks

VIRTUAL VIEWING
3D • 4D • 5D • SMART

OBJECTIVE

Every home in the UK to have a full digital record of key data on transactions, maintenance & certification.

Logbooks to be under the control of property owners but connected to key govt and industry systems

RLBA Residential Logbook Association

A PROPERTY LOGBOOK FOR EVERY HOME - CONTENT

Box of Docs

Hard Drive

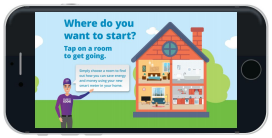
Google Drive

Property Logbook

BIM Connected Logbook

InnovateUK funded development project

GHFA funded development project



EPC / Retrofit Model

Digital Twin

In Home Dashboard

HS15
890W
LIPS

The Example House

110 Prebend Gardens, , W6 0XT

Home profile

Address

110 Prebend Gardens
Hounslow
Stamford Brook
LONDON
W6 0XT

Home profile details

Nickname
The Example House

Landline telephone

Relationship
Freehold

Home profile picture

Complete your profile

A complete Chimni profile keeps all your home information complete and in one safe place.

Location

Your home mapped

Latitude / Longitude
51.4970396, -0.2479488

what3words
///star.farmer.latest

Property ID

UPRN

MPRN (Gas)

MPAN (Electricity)

A PROPERTY LOGBOOK FOR EVERY HOME - CONTENT

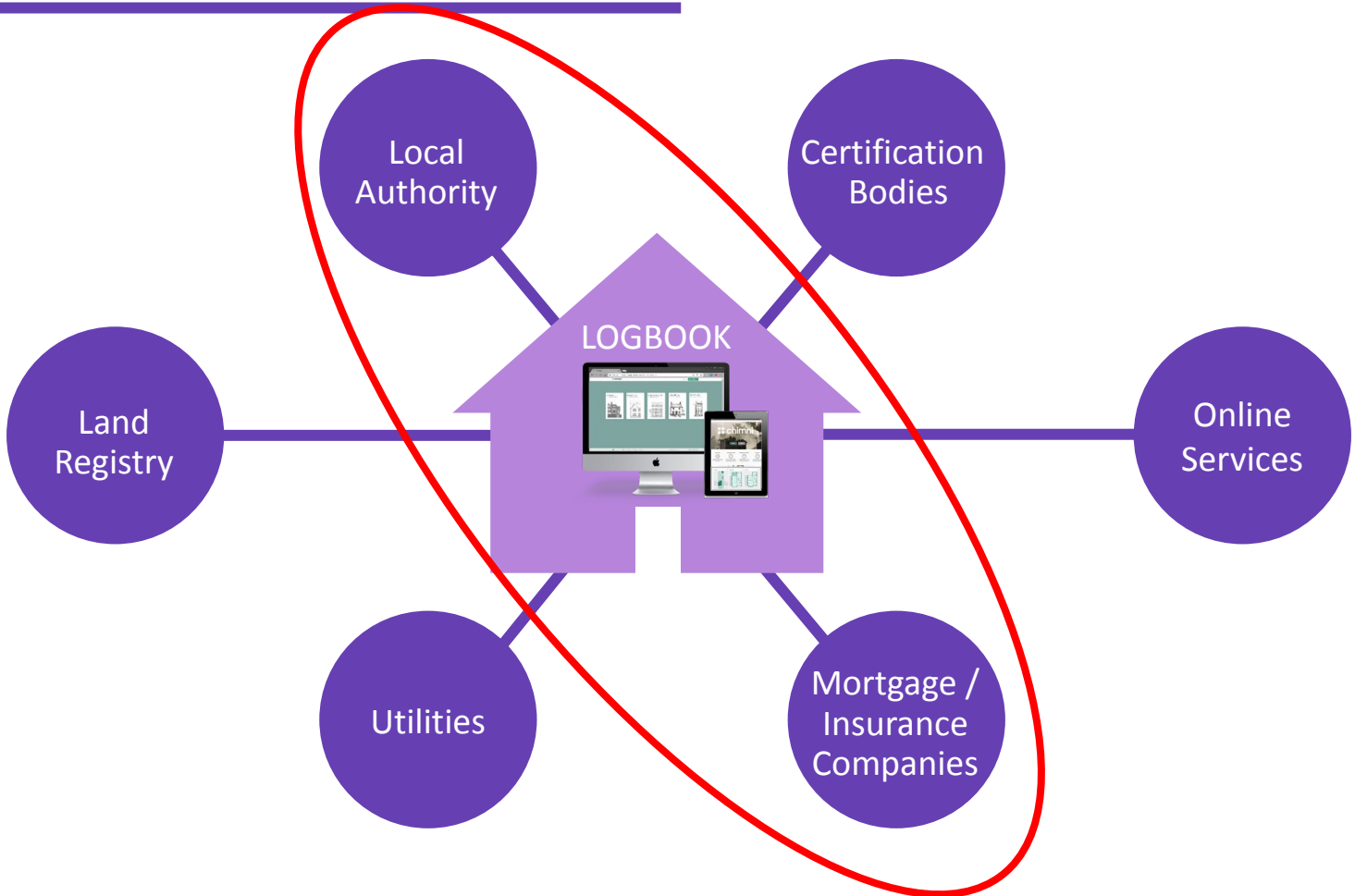
- ID Credentials
- Past Deeds Packs
- Project Records
- Maintenance Records
- Utility Info
- ‘Smart’ Info
- Certification
- Forms & Connections

PROPERTY ID FILE:

UPRN
Title Plan & Number
Address
Location (TOIDS and Lat/long)
Tenure
Owner’s Details
Logbook number
BASPI Data Set

- Property Info Forms (eg TA6 & TA10)
- Lettings MOT

A PROPERTY LOGBOOK FOR EVERY HOME



RLBA

Re-Imagining BIM - The Open BIM Project

1930's
Semi-Detached

Modular / Off-site
Concept House

AUAR
https://automatedarchitecture.io/

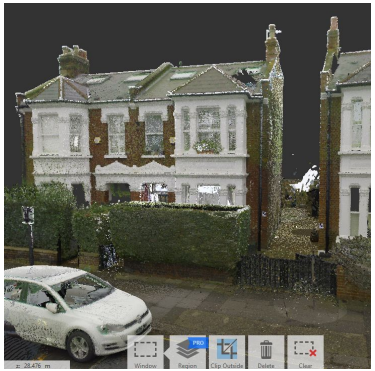
Retrofit House

Detached House

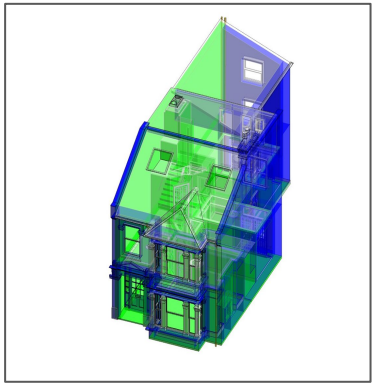
Shared House

'Flat in a Victorian Semi'

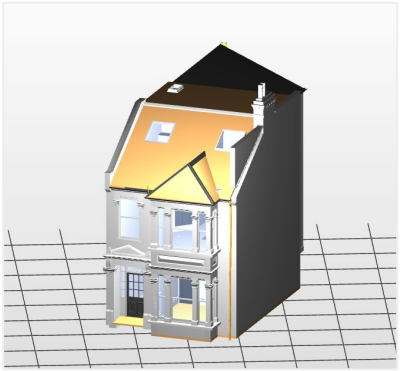
Re-Imagining BIM - The Open BIM Project



Scan to BIM
Pointcloud



Revit Model



Xbim hosted
openBIM Model

Chimni Logbook

The Data Overview - Specific Use cases

What is my home made of?

'Can I drill here?'

'What's that cladding material?'

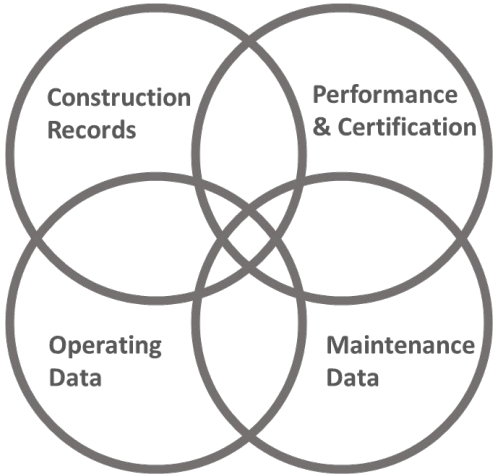
'How much embodied carbon is in my home?'

How do I run my home?

'Is there an app to run this?'

'Can I turn all the lights off automatically?'

'Can you get a bulb for the bathroom while you are out?'



How do I benchmark my home?

'What standards was my home built to?'

'How do I know if I am using too much energy?'

'Is the air quality safe for the kids?'

How do I keep it running and fix it when it breaks?

'How big a paint job is this?'

'When am I meant to get the boiler serviced?'

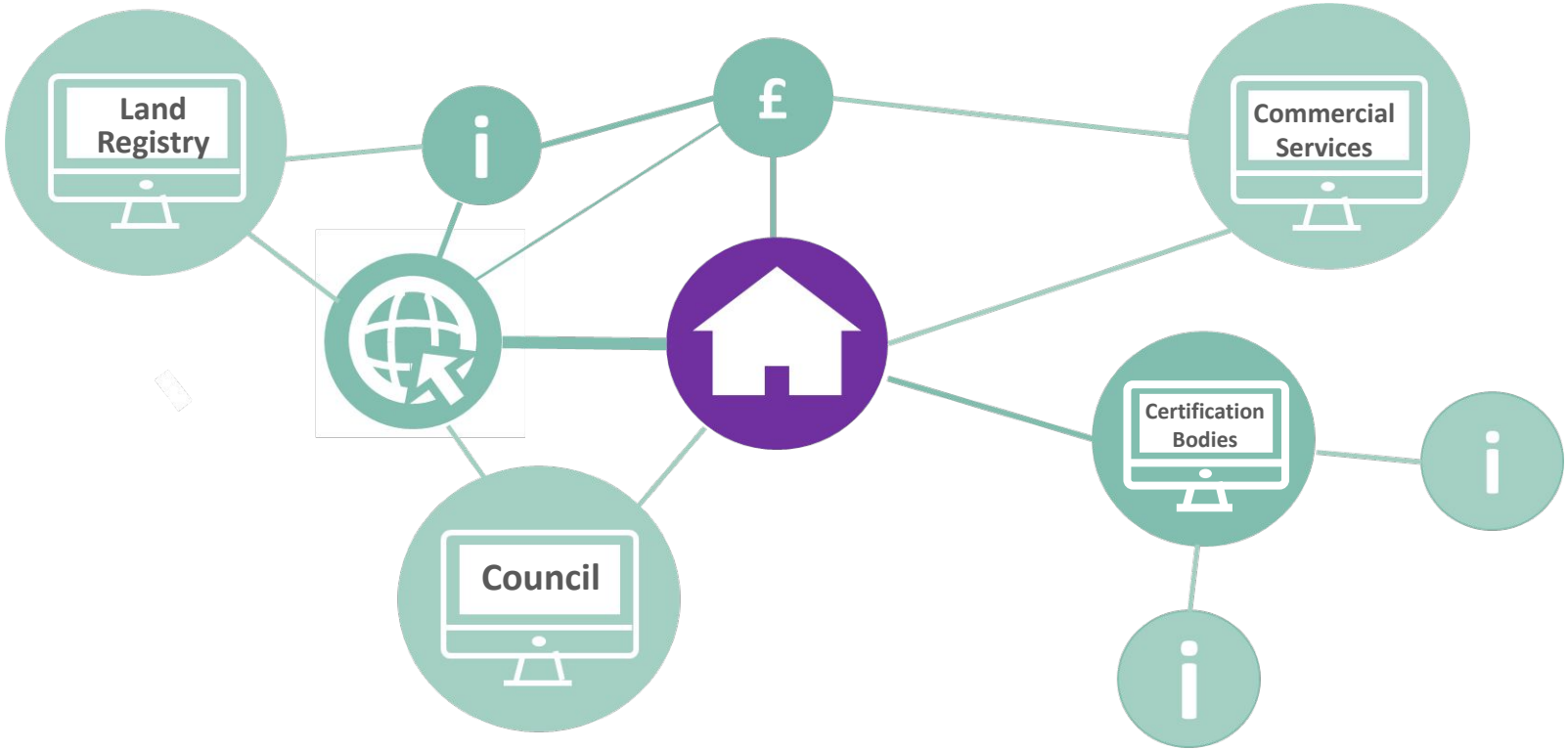
'How do I fix the fridge/dishwasher?'

*'Where's bl**dy stopcock / fuse-board!?'*

The Concept

Home logbooks combined with best-in-class energy efficiency advice can drive uptake of energy efficiency financing in rented and leased residential buildings, by overcoming knowledge, data-sharing and quality-assurance barriers.

The Vision – Every Home Connected Digitally to National & Local Government



Residential Logbook Association

www.rlba.org.uk

FirstHomes
Getting you on the ladder

RLBA