



IMMERSIVE SPACES

Streamlining Energy Assessments with Technology

Unlocking Efficiency, Accuracy, and New Opportunities

Ross Mullins, Account Executive at Vuabl.

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Introduction

- Who Vuabl are
- Who we work with
- Agenda for call

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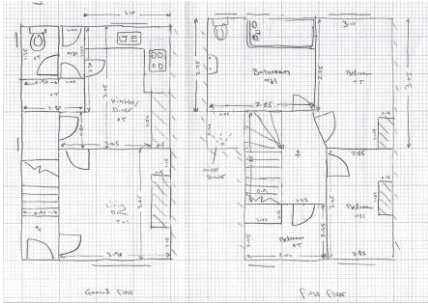
Benefits of using Phone vs Pen & Paper

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- Common Issues with manual methods:** Errors, time-consuming, difficult to manage records
- Advantages of mobile tools:** automatic calculations, cloud storage, quick data retrieval
- Time saving:** 30 minutes taken down to 10 minutes

Examples of Manual Errors

- Measurement Errors
- Transcription Mistakes
- Omissions
- Data Duplication Issues
- Lost or Damaged Notes
- Inconsistent Drawings
- Time Delays



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Time Consuming Factors

- Sketching Floor Plans by Hand
- Manual Measurements
- Data Entry
- Revisits Due to Errors
- Window dimensions & inputs into RdSAP
- Organising / managing paperwork

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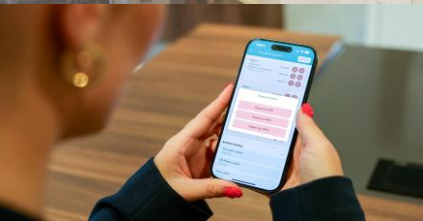




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Benefits of Phone

- Calculations
- Web based dashboard – all access
- Instant results – less duplicates
- Asset lists with dimensions
- Editable PDFs



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How Mobile Apps & Scanning Tools Work

- LiDAR Scanning (Light detection and ranging)
- Sends out invisible laser pulses
 - Lasers bounce off objects & return to sensor
 - Measures how long the light takes to return (Time-of-Flight)
 - Builds a 3D depth map of the room
 - Creates accurate measurements instantly
- Object detections
GEO location
IOS only (pro model)

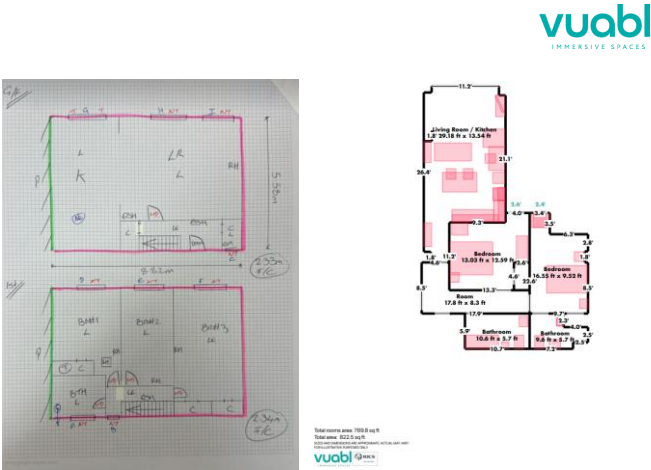


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Sketch vs Digital

Sketch:
It took 15 minutes to measure the property and then took another 15 minutes to draw the property (with each window taking 10-15 seconds)

Digital:
The floor plan on right took 8 minutes total. All stored on phone & web-based dashboard.



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Achieving Accuracy in Plans Without Physically Measuring Rooms

- RICS tech partner
- 98% accuracy guaranteed
- Instant calculations
- Instant dimensions



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How Scanning Technology Can Streamline Window Measurements for RdSAP10

- How it works video
- Integration with lodgement software's



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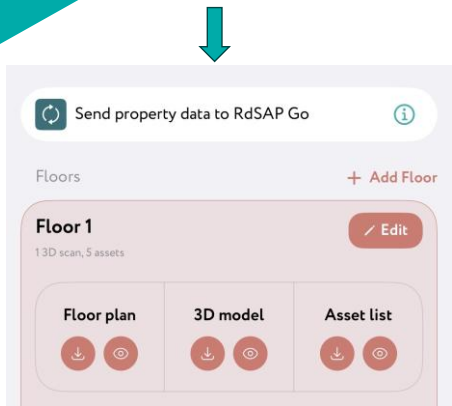
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Integration with Elmhurst

- Area Dimensions
- HLP
- PWL
- All window data
- Lighting
- Floorplans



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The Challenge

With a portfolio of 12,000+ properties (many with tenants-in-situ), Havering needed to improve its workflow to help effectively manage its properties.

- ✗ 45 minutes spent per scan
- 🔍 Errors found regularly in data
- 😞 No tools for complex environments

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"It's been a massive help for me, and even more of a help for other departments too. I'm impressed and so happy with how I use it."



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"Half to three-quarters of the time is saved on every job"

- 🔍 Manual errors no longer an issue
- 🔧 Tools for complex environments
- ✅ Property visits done in 25 mins

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Summary & Key Takeaways

- To recap, digital tools can:
- ✓ Improve floorplan accuracy.
 - ✓ Save time by automating window measurements.
 - ✓ No data duplication.



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