



Housing Leeds



What Areas
Should be
Monitored?



Monitoring
and
Evaluation



About Aico

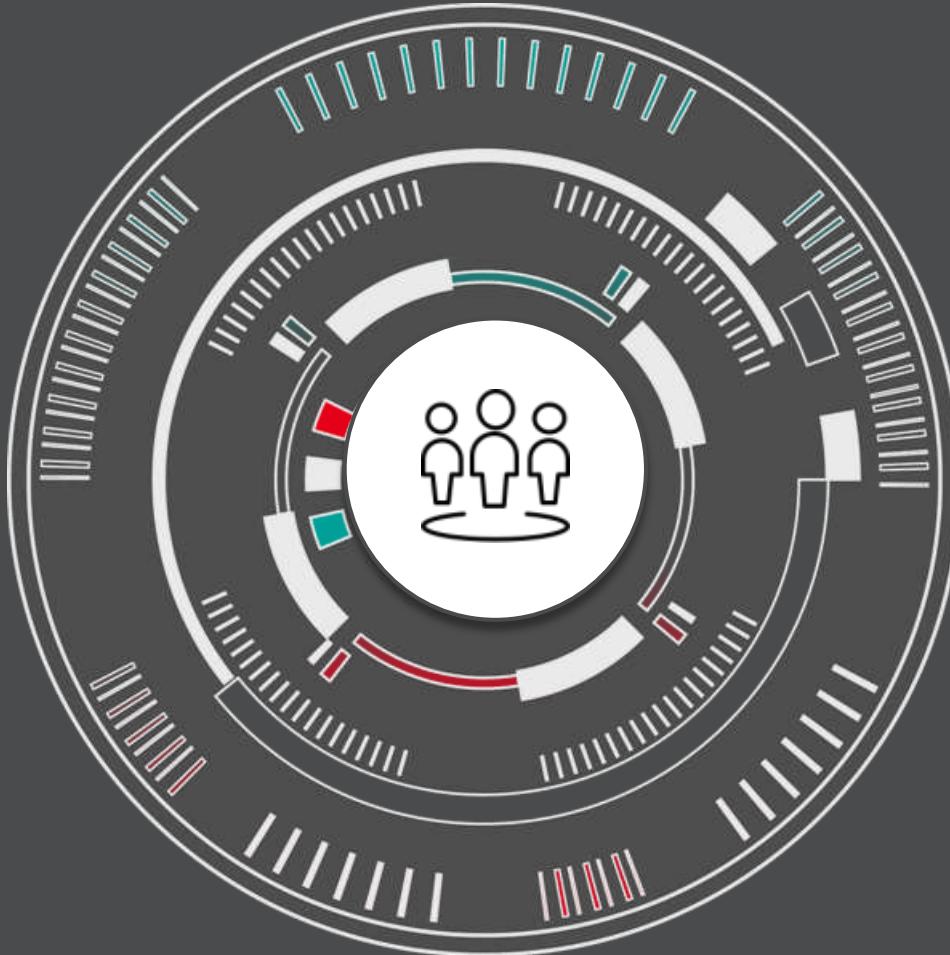


Compliance





About Aico



About Aico



Education | Quality | Service | Innovation

“The leader in home life safety, promoting best practice, engaging with our communities and delivering safer homes.”

670k

live devices connected



110k

live Gateway systems



400

RSL's installing our systems



10

Readings

billion



24

Readings each day

million



110

Events received

million



5.5

Alerts raised

million





Compliance



Key Documents



<p>Department for Communities and Local Government</p> <p>Housing Health and Safety Rating System</p> <p>Guidance for Landlords and Property Related Professionals</p>	<p>Homes (Fitness for Human Habitation) Act 2018</p> <p>CHAPTER 14</p>	<p>Regulator of Social Housing</p> <p>Consumer standards Code of Practice</p> <p>April 2024</p>	<p>Guidance</p> <p>Awaab's Law: Guidance for social landlords - Timeframes for repairs in the social rented sector</p> <p>Updated 27 October 2025</p>	<p>Guidance</p> <p>Understanding and addressing the health risks of damp and mould in the home</p> <p>Updated 10 August 2024</p>
<p>Department for Communities and Local Government</p> <p>housing</p>	<p>A Decent Home: Definition and guidance for implementation</p> <p>June 2006 - Update</p>	<p>Social Housing (Regulation) Act 2023</p> <p>CHAPTER 26</p>		

Best Practice - Damp & Mould



Housing
Ombudsman Service

Housing Ombudsman Service
**One year on follow up report: Spotlight
on damp and mould – it's not lifestyle**

Published – 02 February 2023

1

FINDINGS:

35%
of landlords have a damp
and mould policy
12% in the process of implanting one

19%
Have self-assessed against
the recommendations in
Spotlight Report

BEST PRACTICE FOR PREVENTION AND MANAGEMENT:

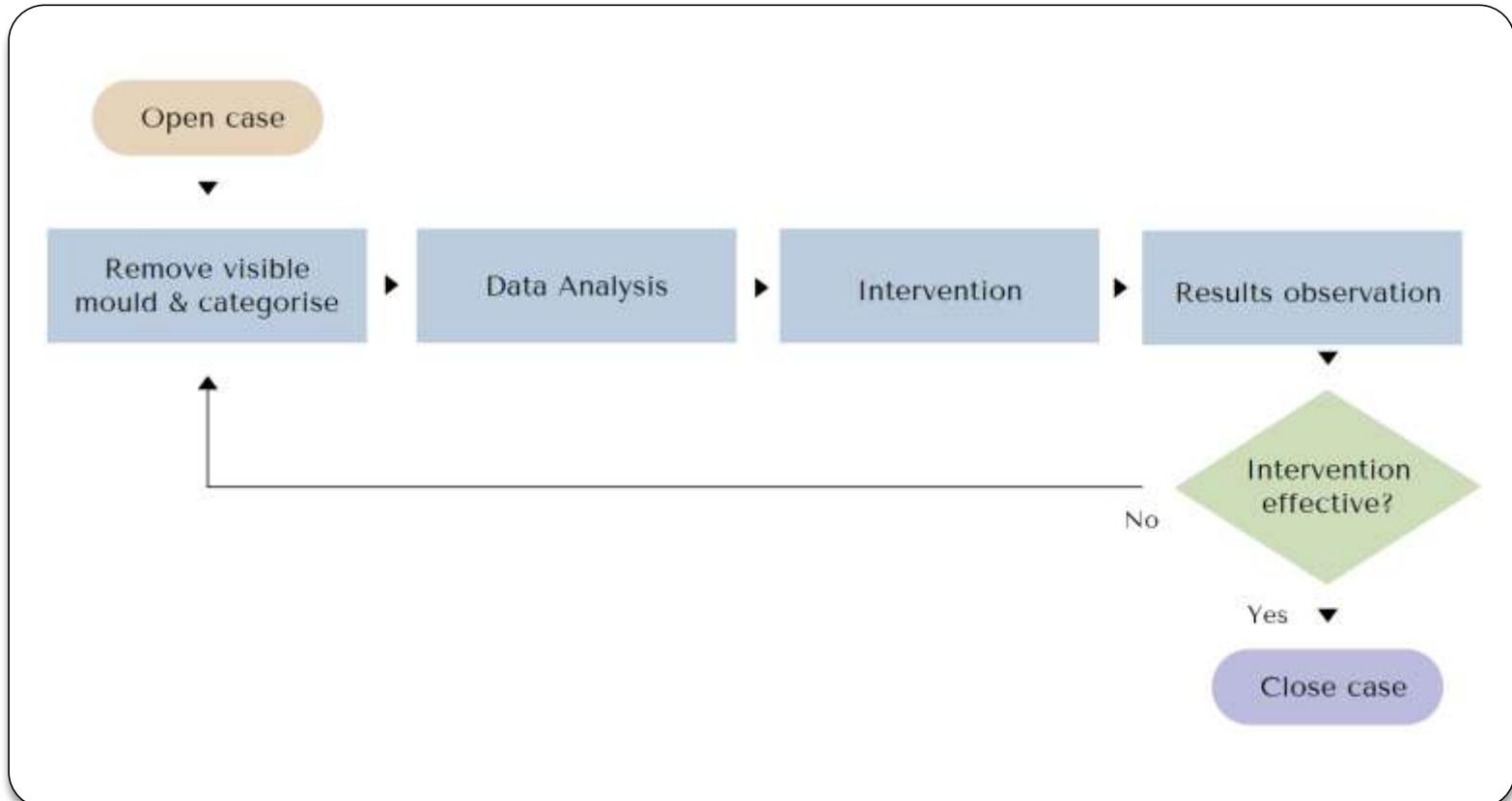
- Risk algorithm
- Predictive artificial intelligence
- Equipping surveyors with appropriate equipment
- Using humidity and temperature sensor data

- Retrospective risk assessments
- Dedicated apps for reporting issues
- Specialist damp and mould teams or 'task forces'
- Property MOTs
- Root cause analysis modelling
- Dedicated damp and mould dashboard
- Staff training

Best Practice - Case Management

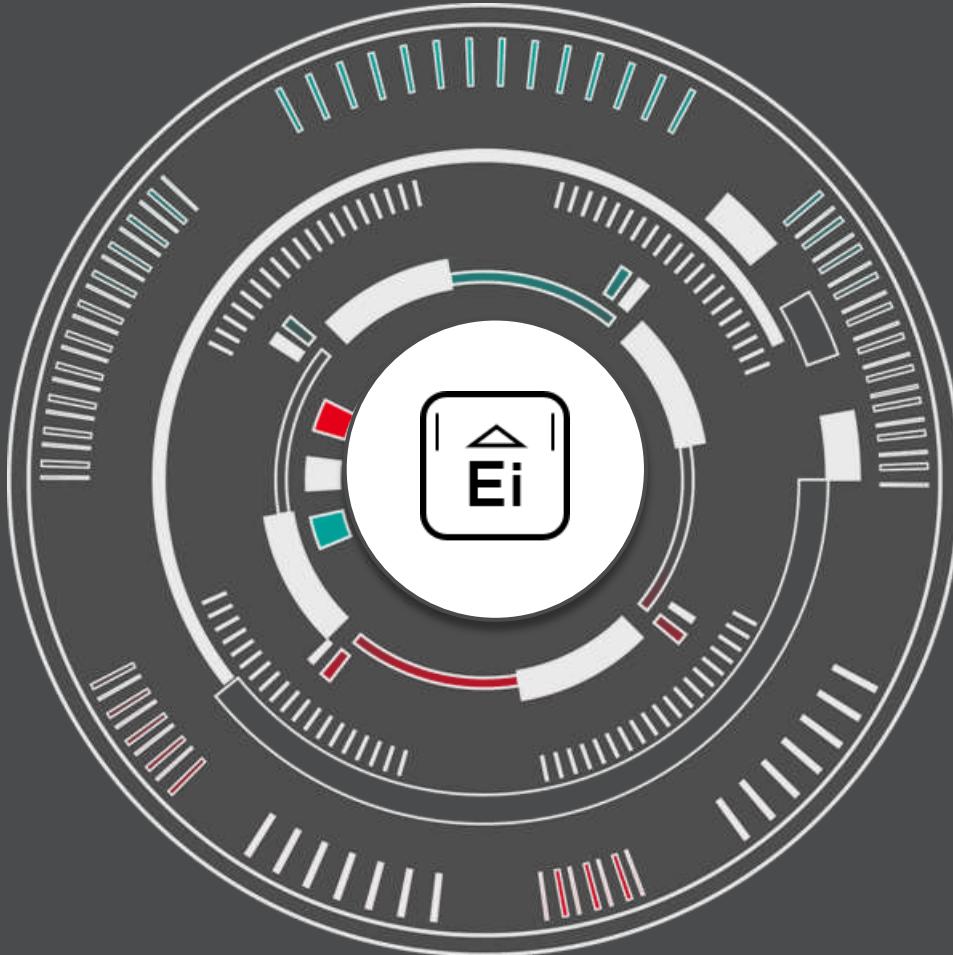
TIPS AND BEST PRACTICE:

1. Switch mindset from first time fix
2. At least one full season before closed
3. Speak to the resident (e.g. surveys)
4. Installation of Environmental Sensors
5. Close case down with resident sign off





Monitoring and Evaluation



System Overview

Environmental
Sensors



Hardware
Gateway



Software
Platform



Fire & CO
Sensors



- Gather data on indoor environmental conditions
- Actionable insights presented via desktop dashboard
- Battery powered - 10-year life
- Covering multiple rooms recommended
- More sensors, more granular data
- Structural versus Environmental insight





Ei1020 Temperature & Humidity

- ✓ Condensation, Damp, Mould
- ✓ Cold Home Risk
- ✓ Excess Heat Risk
- ✓ Heat Loss Risk



Ei1025 Temperature, Humidity & CO_2

- ✓ Condensation, Damp, Mould
- ✓ Cold Home Risk
- ✓ Excess Heat Risk
- ✓ Heat Loss Risk
- ✓ Draught Risk
- ✓ Indoor Air Quality Risk
- ✓ Void Risk
- ✓ Dust Mite Allergy Risk

 Avg. Humidity	 Avg. Temperature	 Avg. Carbon Dioxide	 Max Carbon Dioxide
Value ≥ 0	Value ≤ 50	Value ≥ 0	Value ≥ 0
58.97%	20.60C	540PPM	4,683PPM
55.50%	21.29C	608PPM	2,903PPM
69.43%	17.93C	363PPM	1,946PPM
75.77%	17.94C	384PPM	2,396PPM

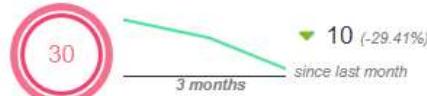
Data...



Data Sorted

Insights

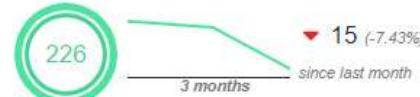
High Risks



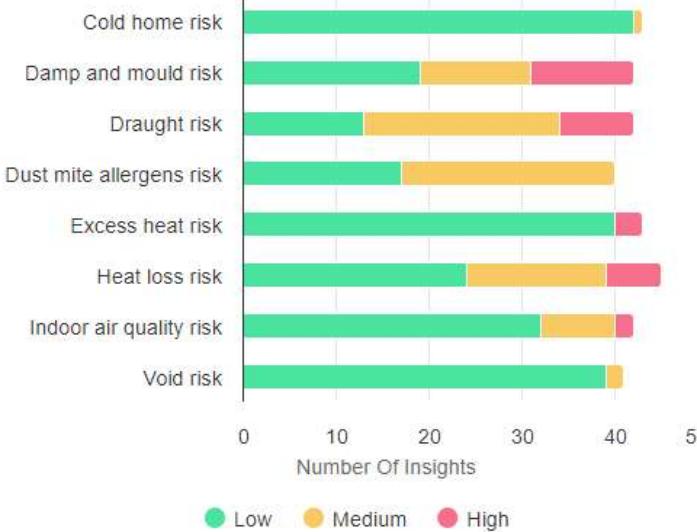
Medium Risks



Low Risks



Insight Types



**HomeLINK® Data Presented
Visually**

Helps in Key Areas

Disrepair



- ✓ **Healthy homes**
- Damp and Mould
- Indoor air quality
- Fuel poverty
- VOCs
- Tenant Engagement

Resident Safety



- ✓ **Safe homes**
- Fire protection
- CO protection
- Alarm Testing
- Alarm Maintenance
- Alarm Replacement

Compliance



- ✓ **Compliant homes**
- Real time evidence
- Legislation
- British Standards
- Building Regs
- Sector guidance

Net Zero



- ✓ **Sustainable homes**
- Target spending
- Validate EEMs
- PAS2035 compliance
- SHDF applications
- Monitor & Evaluate



What Areas Should be Monitored?



High Risk Areas



Bathroom – Ei1020

- High risk areas for condensation, damp and mould
 - High humidity
 - Ventilation/extraction may be inadequate or disabled

High Risk Areas



Kitchen - E1020

- Risk area for condensation, damp and mould
 - Potentially limited ventilation, cooking raising humidity levels
- Risk area for excess heat

Habitable Rooms

Living Room - E1025

- Occupants likely to spend significant time
 - Influence on environmental factors (e.g. CO₂ levels from high occupancy, smoking)
- Key insight area for data
 - Air Quality
 - Condensation, Damp, Mould
 - Excess Cold/Heat



Bedroom - Ei1025

- Occupants spend significant time - sleeping
- Risk area for allergens - e.g. dust mites



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