

A Compliance game-changer

The digital alternative to manual measurement



- A 12 week discovery programme to explore remote legionella compliance testing and management of water systems
- Starting end July 2021
- Lab fee starting from £750 +VAT per property

PIN 
Proptech
Innovation
Network

Specialist network delivered by



DINLab in partnership with



DINLabs 

The Challenge

Legionella monthly testing may enable compliance with ACOP L8 and HSG 274 but still requires regular manual access and contact, this can be prone to human error, is inconvenient to residents and arguably provides no real understanding of your facility water systems.

This DINLab will explore how GUARDIAN® technology enables real time monitoring for compliance via a 'no touch' remote solution in multi-occupational buildings and offices.

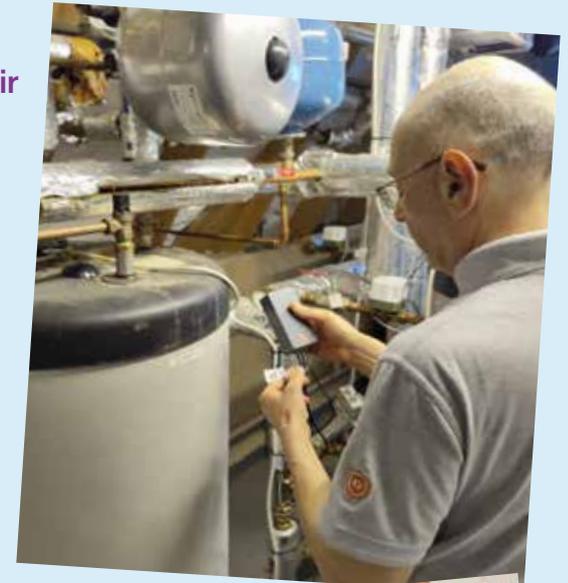
For this lab, the PropTech Innovation Network (PIN) have invited IoT remote measurement specialists Plexus Innovation to work with a small group of housing providers to demonstrate how their GUARDIAN® technology can transform legionella compliance, provide an enhanced duty of care whilst reducing operational costs.

What is a DINLab

DINLab is our innovation platform to rapidly test, learn and evaluate new services and solutions with start-ups, early-stage growth and new market entrants. For many organisations, being able to fully participate in prototyping and proof of concept trials with new products or solutions is not always possible on their own; either due to lack of resources, experience, or financial issues. DINLab offers you the chance to collaborate together as a group of providers to build, test and learn at speed from some of the very best new technologies and organisational design processes

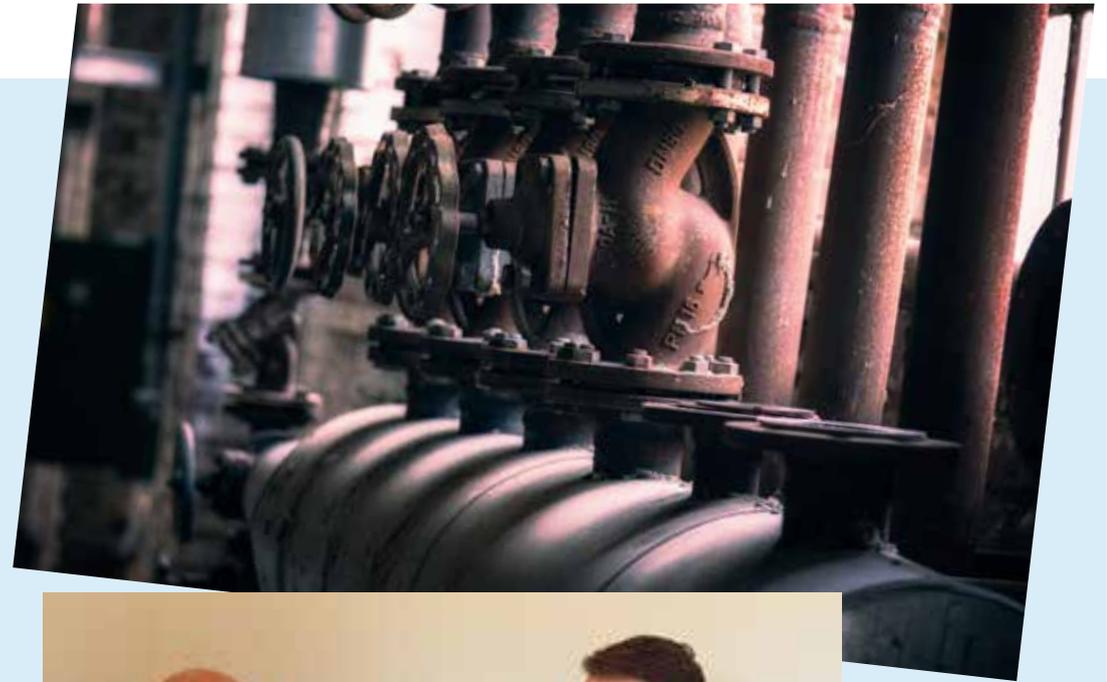
Who is this DINLab for?

- If you believe there must be a better way to carry out legionella compliance testing other than through manual monthly testing.
- Housing providers with a portfolio of Multiple Occupancy Buildings (including offices) who want to provide an enhanced duty of care whilst reducing operating costs.
- Anyone interested in testing out automation of compliance as part of their strategic responsibilities.
- An opportunity to learn and share with other like-minded providers ways in which the GUARDIAN® data can be used to enable business improvements.



What solutions is this DINLab looking to test?

- The remote capture and management of underlying water system issues requiring intervention, including failed or failing assets.
- Alerts to taps left running or system leaks, calculating the savings that this creates in water usage, environmental impact and repairs not required.
- Alerts in real time to potential scald risk issues.
- The impact on residents and homes where access is no longer required in person.
- Tracking flushing and enabling savings in time, waste and cost associated with carrying it out.
- Calculating the return on the investment of the GUARDIAN® technology.



What we would need from you

- **One property** where currently legionella checks are manually undertaken. Access to water system outlets will be required to carry out installation. Organisations can use more than property in this programme.
- **Executive sponsorship** a one hour kick-off meeting and participation in a post lab feedback session.
What's involved a one hour webinar at the end of the lab to feedback to the sector about the experience and the lessons learned
- **Team Lead** This could be your Head of Compliance or compliance lead
What's involved Meeting every two weeks for 30 to 60 minutes to discuss results and feedback.
- **Operational Team** Although GUARDIAN® will provide specific benefits to a range of individual functions, including compliance, operations, finance, environmental and resident care, it would be beneficial to have a multi-disciplined team involved to evaluate the business case based on the wider range of benefits generated
What's involved a three x one hour meetings at the beginning, middle and end of the DINLab to understand the value that the technology can bring.
- Commitment to share your findings and if requested take part in a post lab webinar/review meeting.



We are looking for up to 5 organisations to take part in this DINLab over 12 weeks.

Outcomes

- Technology installed into a minimum of one multi-occupancy building for the duration of the DINLab.
- Access to GUARDIAN® dashboard, reports and alerts throughout the DINLab. Each participant will be provided with secure access to their own dashboard area.
- Produce a report defining the return on investment (ROI), and stakeholder and business benefits of using the GUARDIAN® technology.

Process/Methodology

- **Phase 1: Kick Off 28 July to 4 August 2021**
 - Kick off meeting with each organisation team, identifying the ideal facility for the DINLab and the users requiring access to dashboard, reports and alerts.
 - Plexus Innovation will specify hardware requirements and configure the dashboard in line with each participant requirements.
- **Phase 2: 4 to 18 August 2021**
 - Plexus Innovation will install and set up GUARDIAN® In most cases this will take no more than 10 minutes per asset, with data reported instantly live on the Plexus Innovation Dashboard.
- **Phase 3: 8 August to 10 November 2021**
 - Fortnightly meetings with the team lead, to include a brief review of data insight, benefits gained and issues requiring attention.
 - Week 5 and 10 to bring together the wider Operational Team to take part in a combined data insight review
 - Week 6 and 12 to take part in a combined data insight review across all organisations involved in the DINLab
- **Phase 4: 11 to 26 November 2021**
 - Produce a report defining the ROI and stakeholder and business improvement benefits of using the GUARDIAN® technology.



What is GUARDIAN®

- **Remote measurement technology** for compliance with legionella testing and enhanced water system management.
- **Simple installation and set-up** In most cases this will take no more than 10 minutes per asset, with data reported instantly live on the Plexus Innovation Dashboard.
- **Measurement in real time.** In addition to compliance data, generates data driven insight to enable a range of business improvements to be realised.
- **Reports are simple to understand,** using a straightforward Red and Green colour code format to identify system issues. Parameters and reporting frequency are entirely user configurable.
- **Generates alerts by exception,** so if you hear nothing, your facility water system is performing exactly as you wish it to.

Meet the **DINLab** team

Ian Murray and Steve Todd are the two founding directors of Plexus Innovation and will both play a lead role within this DINLab. Both are widely experienced and have a proven track record in innovation and new product and technology introduction.



Ian Murray has 30 years of experience in product development and operations, across various international manufacturing environments, 10 years of which as Head of Technology Development with a team based across three countries.



Steve Todd BSc MSc MIET is the Technical Director and has 25 years of experience as a software and systems engineer. In 2008 Steve left his corporate role at Deutsche Bank to develop his own business focused on innovation and new product development.



DINLab Director

Jenny Danson, DIN Associate and Network Director for PIN

Jenny coordinates DIN's specialist networks PIN (Proptech Innovation Network) and IAN (Intelligent Automation). She will be the main point of contact for this DINLab.

She had led transformational change and service improvement programmes for over 25 years in CEO, COO, Executive and Program roles in a number of Housing Association's, Councils, ALMOs and companies including Lovell, Ilke Homes, Fortem, BAA plc, Boots Opticians, and ISS Mediclean.



Founded in 2017, Plexus Innovation have a passion to make remote technology in the services industry the norm. They have developed and manufactured the GUARDIAN® solution. GUARDIAN® is a remote, automated measurement and alert system that focuses on environmental data including temperature. Ideal in reducing the risk of legionella and ensuring temperature in water or refrigeration units is at an optimum level to protect health, Plexus Innovation's technology comprises of a combination of hardware, with remote monitoring software

www.plexus-innovation.com

<https://twitter.com/plexusinnovati1>

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The membership network for social housing organisations and leaders investing in Proptech in partnership with Ministry of Housing, Communities and Local Government

We offer housing providers an opportunity to experience, learn and share the latest developments from the world of proptech so that they understand what technologies and ways of working are truly innovative and add value to their approach to delivering repairs services and asset management.

PIN is for anyone working in the development, repairs & maintenance or asset management space interested or responsible for business transformation and innovation will benefit from membership.

PIN is a specialist DIN Network. The Disruptive Innovators Network has a passion for doing things differently. By capturing the best insights and knowledge from all sectors, embracing disruption and innovation we inspire social housing organisations in their transformation journey.

For more info about DIN and PIN
www.disruptiveinnovatorsnetwork.co.uk

<https://www.linkedin.com/company/disruptive-innovators-network/>



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DINLab participation fee

- **PIN Members** £750 plus VAT per organisation
Organisations can choose to have more than one property. Each property is £750 plus VAT
- **Non PIN Members** £950 plus VAT per organisation
Organisations can choose to have more than one property. Each property is £950 plus VAT

Timescales

DINLab sign up needed by **Thursday 15 July**

Data for multi-occupancy building to be provided by **Thursday 22 July**

Phase 1: Kick off 28 July to 4 August 2021 (Date for individual housing provides to be agreed)

Phase 2: Installation 4 to 18 August 2021 (Dates for individual housing provides to be agreed)

Phase 3: Live operation 18 August to 10 November 2021

Phase 4: Review 11 to 26 November 2021

For more information or to register your interest in this DINLab please contact Jenny Danson, DIN Associate and PIN Network Director at: jenny.danson@disruptiveinnovatorsnetwork.co.uk or telephone **07733 323 748**



Specialist network In partnership with



Ministry of Housing,
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