

# Moving Sheltered Housing Beyond The Digital Horizon

2021

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**ASSISTED LIVING & HEALTHCARE**

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# Assisted Living & Healthcare Business Unit



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# What Is The Digital Horizon?

- No secret that the Telecommunications industry is changing
- Next Generation Telecommunications Networks replacing end of life analogue PSTN services
  - PSTN = Public Switched Telephony Network
- PSTN services to be replaced with a digital infrastructure that will enable calls over Broadband/the Internet (VOIP)
- Ofcom have mandated a current end point of 2025 to the Telecommunications Service Providers
  - [https://www.ofcom.org.uk/\\_data/assets/pdf\\_file/0032/137966/future-fixed-telephone-services.pdf](https://www.ofcom.org.uk/_data/assets/pdf_file/0032/137966/future-fixed-telephone-services.pdf) for more information
- Current, analogue communication protocols used with sheltered housing equipment (TT92, BS8521) regularly fail when attempting to connect using a digital line
- New equipment utilising digital communication protocols required for safety critical applications (BS8521-2)
- Existing housing stock will need to be updated to accommodate the BS8521-2 digital protocol by 2025



# What Has Legrand Been Doing?

- Embarked upon a substantial R&D programme designed to transition all platforms from analogue to digital
- Leading on the development of new European wide standards (EN300-220, EN50134, TS50134-9 and BS8521-2)
- Heavily involved in the Scottish digital Pathfinder & Test of Change projects
- Developed and launched a white paper with GGI - <https://www.good-governance.org.uk/publications/papers/unleashing-the-digital-premium>
- Working in partnership with our customers to ensure they become digitally ready - free consultation available on request
- Developed systems to allow our customers to safely transition from analogue to digital platforms when they are ready
- Helping to realise the benefits of digital whether they be service efficiencies, improved performances and/or delivery of new transformative services
  - Assets Management, Remote Access and Diagnostics, Security, Safety



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# Why Is Regulation Important ?

- Regulation is crucial and supported housing providers should be aware of BS8521-2:2020
  - Also known as the NOW IP protocol, the standard was published by BSI in April 2020
- TEC/Social Alarm providers should be aware of TS50134-9
  - Based on SCAIP and enhanced by Cenelec, it was published by BSI as TS 50134-9:2018
- These new digital 'protocols' are simple new rules that allow sheltered housing systems and dispersed alarms to speak the same language as their monitoring centre
  - BS8521-2 for sheltered housing systems
  - TS50134-9 for dispersed alarm equipment
- Developed to overcome the interoperability issues as TEC shifted from analogue to digital
- Offering benefits such as compatibility, flexibility, reliability, future proofing & cost savings
- These new protocols, supported by all UK TEC manufacturers & industry bodies have become the de facto industry standard for digital TEC & grouped living systems

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TS50134-9 Fully Compliant  
BS8521-2 Fully Compliant

# Grouped Living What's Changed?



Changes in how schemes are managed and from where



Traditional grouped living systems have operated over analogue networks for offsite communication.



Infrastructures are changing and so must the equipment that utilises them



Need to protect past investment



Where should new money be spent?



It's vitally important that housing providers can continue to offer the security and peace of mind that their residents have come to expect



Housing remains a vital part of the IFL solution

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# Considerations for Sheltered Housing

Key considerations:

- Protection of past investment
- Refurb & New Build
- Cabling & infrastructure
- Resident capabilities
- Resident expectations
- Simplicity
- Who's managing the scheme & from where?
- Purchasing authority/organisation expectations
- Critical connectivity
- Open protocols
- Interoperability
- Standards compliance
- Security
- Budgets



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# Introducing Advent XT2

- A natively digital grouped living system, designed to support people to live independently in a specialised grouped living environment.
- Able to use existing cable infrastructure
- Interoperable with any ARC platform
- Enhanced aesthetics, choice of RU colour
- Hybrid Technology
- Speed of connection
- Multiple speech paths
- +24hr battery
- Screen based control
- Standards driven & fully compliant
- Platform to build upon
- Transformational

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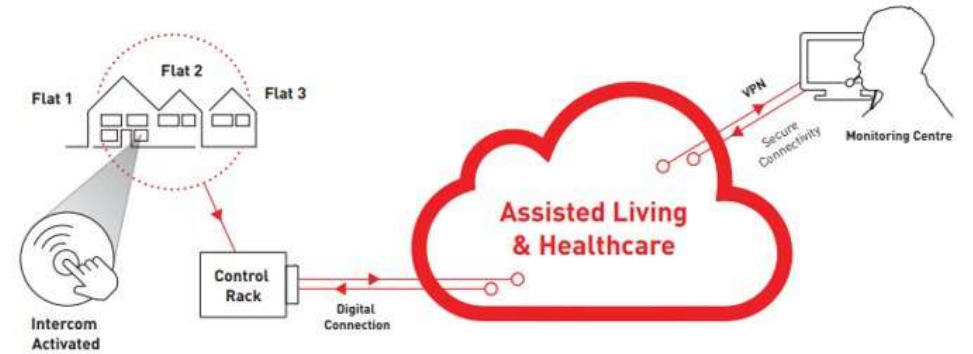


BS8521-2 Fully Compliant



# Enhanced Functions And Features

- Resident centred functionality:
- Personalised volume levels
- Flexible call routing by flat and device type
- I'm OK – daily check
- Message facility
- Digital displays
- Bi-directional telecare peripherals
- Interface options in on-board Bluetooth (Ble)
- Progressive privacy door entry
- Future state cloud capabilities:
- Remote management
- Remote diagnostics
- Data well



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# Beyond The Digital Horizon

- Traditional TECs have focused on Reaction
- Services must transform to deliver more for less
- Prediction & Prevention agenda is key
- An integration of Housing, social care & Health
- A blended approach, mixing the essential & the desirable without compromising standards or performance
- Ability to create person centred solutions
- Making the home environment flexible, adaptable and personalised
- Ability to age in place
- To enjoy Independence for longer by creating a better life network

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# Your Trusted Technology Partner

- Legrand are Global specialists in digital infrastructures
- Assisted living business unit trusted advisor to the TEC space
- Tynetec/Jontek >70yrs experience
- Extensive support, tailored to you
- Supply, Installation & Maintenance services
- National network of approved installers
- Digital Planning & drawing services
- Marketing resource
- Business development resource
- Bespoke financial packages (direct & through frameworks)
- Digital horizon brings challenges and opportunities
- Person centred, technology roadmap, future proofed end to end
- Your trusted technology partner



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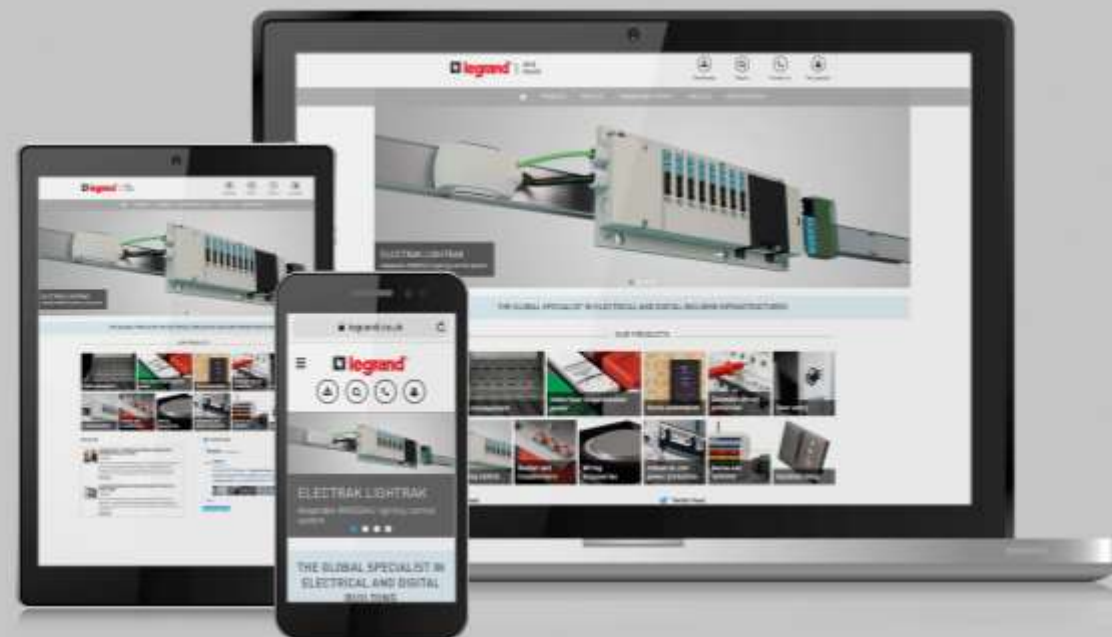
**Thank you  
for your time**

**Any questions?**

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