

Enabling resilient, secure, and sustainable community diagnostics



Expressions of interest: NHSP-Aligned Infrastructure Pilots

The Challenge

Across the UK, Community Diagnostic Centres (CDCs) and mobile screening services are facing unprecedented demand. To deliver diagnostics closer to home, providers must overcome significant infrastructure hurdles that currently compromise service continuity and equity of access.

Current Constraints:

- Reliance on high-power, carbon-intensive diesel generators.
- Grid powered limitations preventing CT operations in key locations.
- Manual data transport and inconsistent connectivity.
- Information governance risks and avoidable non-clinical costs.

Proposed Infrastructure Pilot

DEOS Consultancy, powered by Cui's national digital infrastructure, invites NHS organisations to co-design 8-12 week, clinically neutral pilots. These pilots focus on removing technical barriers without altering clinical pathways or NHSP screening standards.

Sustainable Power

Silent, clean, BESS-C power systems to replace diesel dependency and enable CT operation where grid capacity is insufficient.

Advanced Data Handling

Vendor Neutral Archive (VNA) capability for auditable, interoperable image handling.

Secure Connectivity

Bonded broadband with HSCN access for reliable, high-speed data transfer in remote settings.

Service Oversight

Operational CCTV to support patient safety, site assurance, and remote oversight.

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Strategic Objectives

The pilot aims to demonstrate how integrated infrastructure resilience can:

- **Eliminate** manual transport of imaging data and hard drives.
- **Improve** session reliability and immediate reporting readiness.
- **Reduce** IG exposure and non-clinical operating costs.
- **Ensure** equitable access to Breast Screening and CT services.

Who should respond?

We welcome interest from stakeholders looking to modernise diagnostic delivery:

Integrated Care Systems (ICS), NHS Trusts, Breast Screening Managers, Radiology Leads, Sustainability & Digital Leads, Estates & IG Leads.

Next Steps

Registering an Expression of Interest (EOI) is a non-binding step to initiate a discussion regarding suitability, scope, and governance alignment.

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“Modern diagnostics should not depend on diesel generators or fragile local workarounds.”