



# iCRF

FAST FORWARDING



# INTRODUCTION TO INTERCITY RAILFREIGHT



**Rail operations –  
loading parcel freight to  
scheduled passenger  
trains – commenced in April 2011**



**Founded in 2009 and  
privately owned**



**ICRF has produced all the  
relevant safety and security  
protocols for acceptance by TOCs,  
DfT, ORR and other specialist agencies**

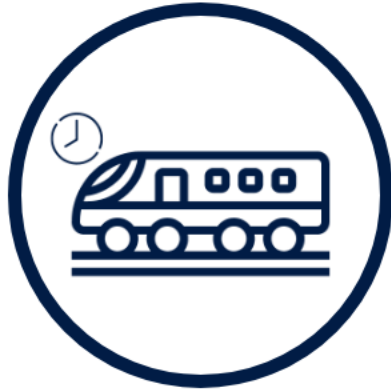
# INTRODUCTION TO INTERCITY RAILFREIGHT



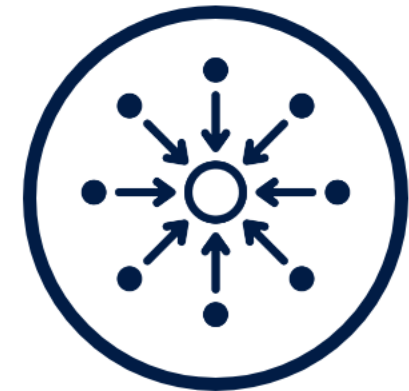
**ISO 9001 accredited**



**Partnerships with zero emission vehicle couriers who operate under ICRF's competence management system**

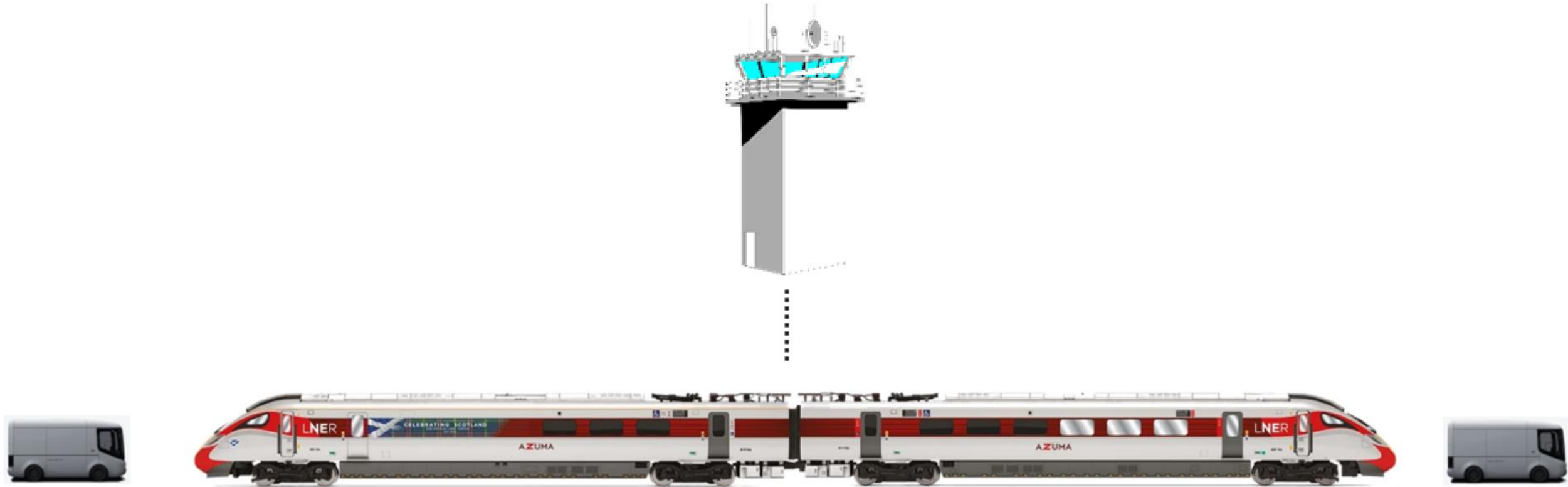


**Over the 12 years of operation not a single safety or security incident and NO trains delayed by loading/unloading operations**



**Operations overseen by central control function which is plugged into a number of railway systems to effect a dynamic and accurate management of consignments**

# HOW IT CURRENTLY WORKS



**1. Customer collection requested**



**2. Local courier collects**



**3. Courier loads to train**



**4. Trunk haul by train**



**5. Courier collects from train**



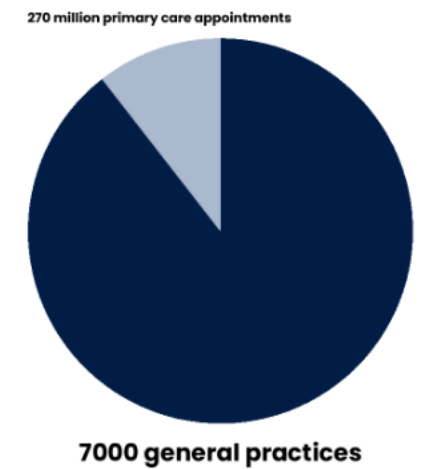
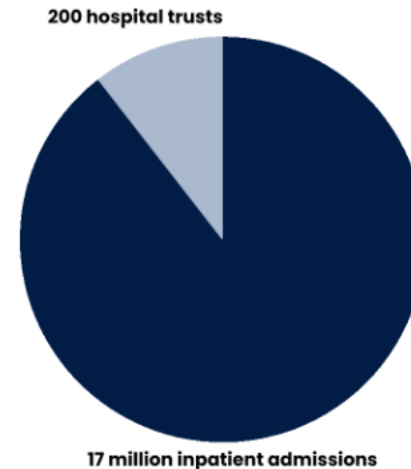
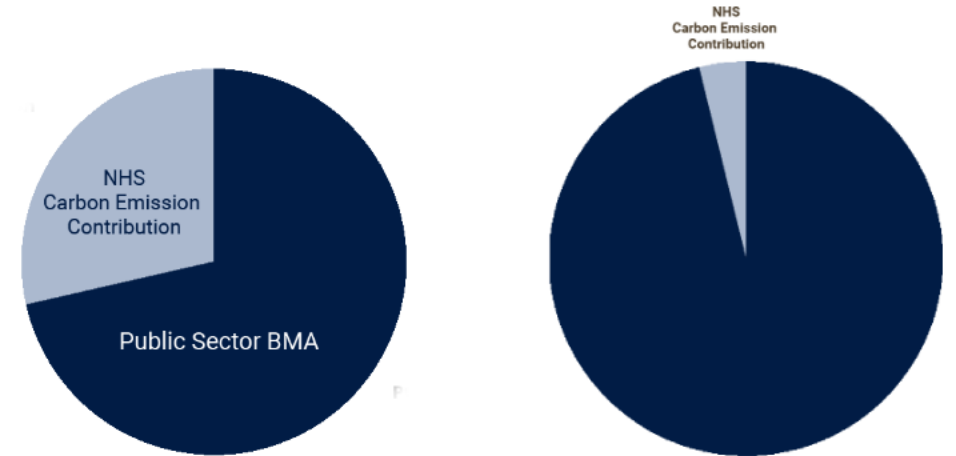
**6. Courier delivers to destination**

# THE CASE FOR MEDICAL HUBS 1

**Around 4% (9.5 billion miles) of all road travel in England relates to the NHS, contributing around 14% of the system's total emissions. (NHS England)**

**The health service has an important role to play in reducing carbon emissions. It contributes around 4-5% of total UK carbon emissions and the NHS in England alone is responsible for 40% of the public sector's emissions (BMA)**

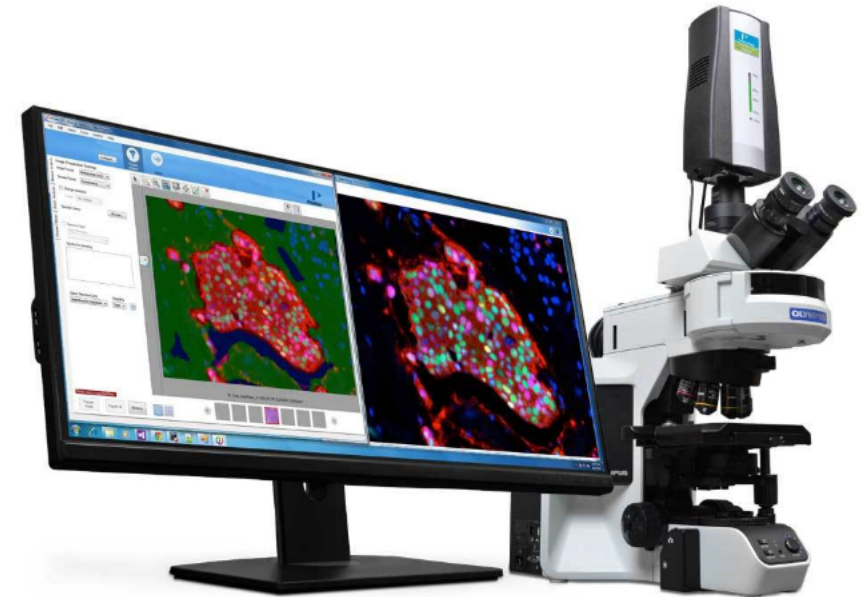
**The NHS is the largest publicly funded health system in the world. Every year, the NHS delivers 17 million inpatient admissions from more than 200 hospital trusts, more than 270 million primary care appointments from nearly 7000 general practices, and prescribes more than 1.1 billion items every year (Lancet)**



# THE CASE FOR MEDICAL HUBS 2

**Publication in 2020 by NHS England “Diagnostics: Recovery & Renewal” with findings/key recommendations:**

- Significant increases in demand for pathology and imaging (pre-Covid) – CT 6.8% pa; MRI 5.6% pa; Echocardiography 5.7% pa
- New pathways to diagnostics should be established
- New pathways should separate acute and elective diagnostics
- Community diagnostics hubs should be rapidly established
- Triage tools to be established to prioritise patients according to likelihood of serious disease/illness
- Phlebotomy services should be safely and more easily accessed
- CT scanning to be expanded 100%



# THE OPPORTUNITIES



**Station – based diagnostics.**  
Phlebotomy, virtual and possibly face-to-face consultations at smaller footprint station facilities with possibilities for scanning at larger (5000 sq.ft.+) station facilities



**Secure storage sites for fast moving medication and support materials**



**Pathology hubs – consolidation of samples for onward movement to laboratories by rail**



**Co-ordination points for interfaces between field operatives (e.g district nurses) and couriers**

# THE BENEFITS



**Rail provides critical support for the NHS by enabling healthcare businesses to easily and efficiently reach large sections of local communities**



**Elective diagnostics transferred away from hospitals reducing pressure and enabling them to focus on acute care**



**Improvement in efficiency of supporting roles such as field nurses: rail systems enable dynamic scheduling of samples and medication on a just-in-time basis**



**Patients more likely to use rail services (over car or bus) to access station-based healthcare: secondary benefit is a reduction in hospital-bound traffic and emissions**



**Freight revenues from trains; station revenues from otherwise empty spaces**



**Strong PR opportunity for rail**



# ICRF COMPETENCIES

- **ISO certified safety and security management:**
  - **Over nine years of managing time-critical and sensitive medical consignments through a passenger rail supply chain**
  - **ISO 9001 driven competence management system and supporting processes driven by requirements of:**
    - **WHO Good Storage & Distribution Practices**
    - **NHS Transport Policy**
    - **Human Tissue Authority**
    - **Home Office (controlled drugs)**
    - **ISOPP Standards of Practice (cytotoxic medication)**
    - **DfT Security**
    - **ORR**
  - **Dynamic control function with well established contingency plans driven by access to enriched train running & disruption planning feeds**
  - **Fully conversant with both road and rail operational methodologies**



# Questions & Answers

