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Data & Monitoring

Cohesive

Connectivity & Wi-Fi

Helping Hanoi Metro Collect, Manage, and Utilise Data in Its Project Delivery and Railway Operation

The Client

Hanoi Metro Railway Board (MRB)

The Challenge

Hanoi MRB sought to digitally transform how it collects, manages and utilises data in its project delivery and railway operations. This upgrade, from its current analogue processes, is designed to improve productivity and reduce risk to programme and budget. Hanoi MRB engaged with a team, led by CrossRail International and including Cohesive. They focussed on Metro Line 5, the next line to be designed and constructed, to test and develop approaches that could be extended across other lines. The work was funded by the UK Government Department for International Trade through a global programme delivered by Innovate UK.

Our Role

Hanoi Metro Railway Board (MRB) is the delivery body for a rapid transport system in Vietnam. It currently has one operating line and one line, Line 3.1, under construction. Hanoi Metro Line 5 is a complex urban transport project involving multiple stakeholders, assets and entities, and therefore multiple disparate data sources. Cohesive, and our partner DPA Ltd, developed a strategic vision, recommendations for action and the implementation roadmap for a complete digital transformation, including:

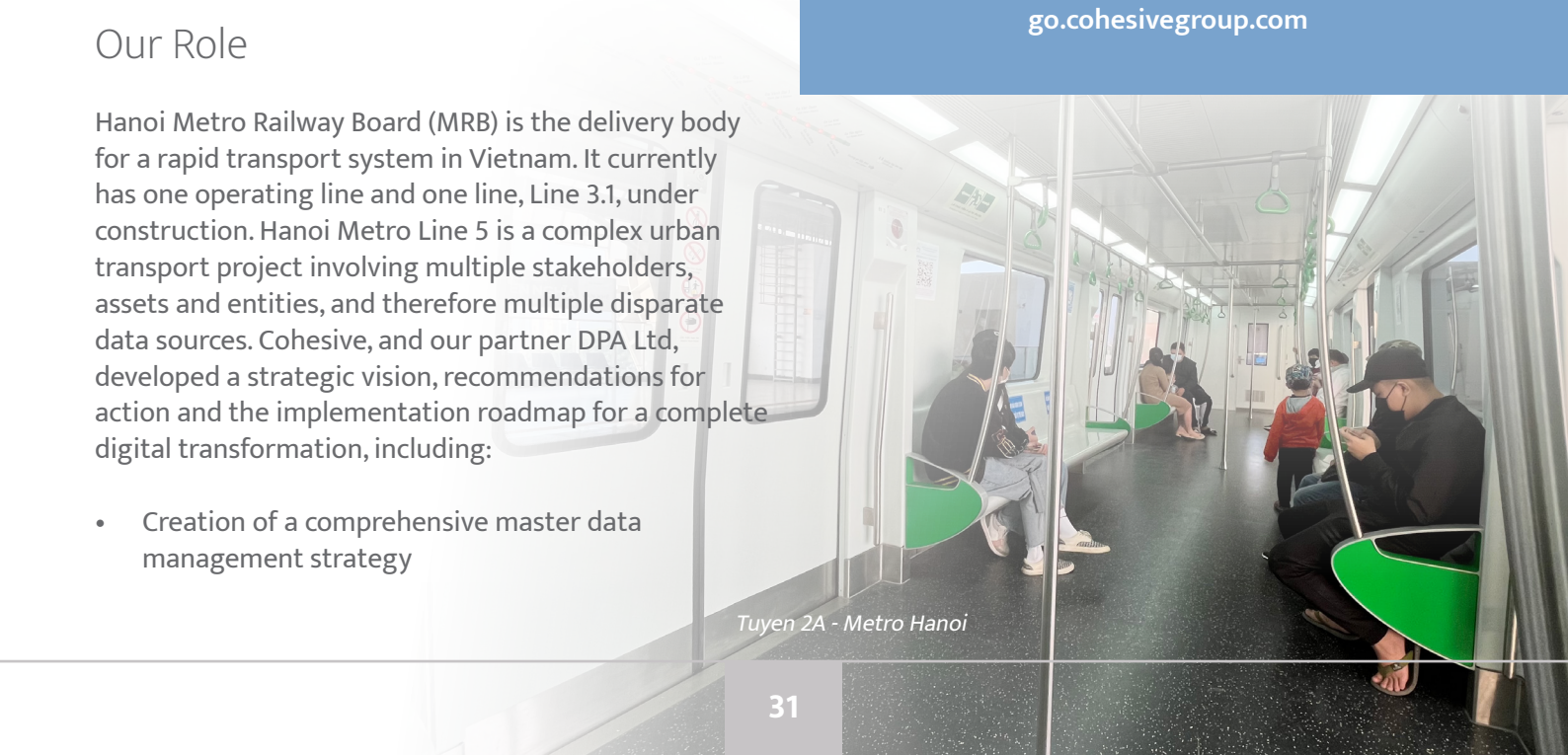
- Creation of a comprehensive master data management strategy

- Integrated common data environment
- Process development for data integration
- Foundation for future innovation
- Enhanced data security
- Practical asset information management

Client Benefits

This project was described by Crossrail International as “A world-class reference for how to transition from analogue to digital”. Hanoi Metro now has a clear roadmap for developing digital capabilities across its people, processes, technologies and data. It is embedding this plan into the design, delivery and operation of Line 5.

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"Advancements in going digital are driving improvements on major railways projects, leading toward the breakthrough advantages of infrastructure and of rolling stock digital twins."

Richard Van Dongen
Director, Cohesive EMEA



Cohesive