



Discover the
7 key insights
from our study

Unlocking the **Full Potential of Automated Metro**

Insights from the global ecosystem



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RATP Dev brings together the voices from across the automated metro value chain : public transport authorities, financiers, engineering firms, civil works contractors, manufacturers, operators, associations, and academics. Based on more than **30 interviews** conducted worldwide, complemented by contributions from RATP Group specialists, the study offers a collective outlook on **how to best design, operate, and upgrade automated metro systems**.

01

Build strong governance and adopt collaborative contracting models

Effective Collaboration

When governance is aligned and contracting models foster transparency and shared objectives, multiparty automated metro projects accelerate decision making and deliver stronger outcomes.



05

Deliver a continuously improving passenger experience

Evolving Passenger Experience

Continuously enhancing the passenger experience requires ongoing innovation, the ability to adapt solutions to local needs and makes automated metros truly people focused systems.



02

Involve the operator early to secure the operational concept, operability and long-term performance

Early Involvement

Early operator involving ensures that systems are designed for realworld conditions, long-term operability and sustained high performance. It appears as a universal success condition across authorities, manufacturers and engineers.



06

Leverage data, AI and innovation to boost performance, reliability, and reduce lifecycle costs

Non-stop Innovation

Each network moves at its own pace, but a culture of continuous, innovative and data- and AI-driven improvement makes a clear difference over time and project lifecycle efficiency.

03

Make automation a human-centric transformation while managing technical complexity

Human-Centric Transformation

Treating automation as a human-centric journey while mastering technical complexity enables networks to transform smoothly. It is essential to automate existing lines without compromising operations.

04

Anticipate obsolescence and favor adaptable systems

Long-Term Vision

Designing open, modular and future-ready systems ensures long-term resilience in a context of accelerating technological cycles.

07

Position the automated metro as a sustainable and resilient backbone of urban transformation

Urban Integration

Automated metros become powerful enablers of sustainability and urban resilience when fully integrated into broader city strategies.



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About RATP Dev

RATP Dev is a global operator of urban and intercity transport systems and a subsidiary of the RATP Group, drawing on more than 125 years of expertise from the dense and constantly modernized Paris public transport network. Delivering more than 120 operations in 16 countries, RATP Dev supports cities by designing, operating and maintaining high-capacity automatic and semi-automatic metro lines, as well as efficient, safe and sustainable mobility solutions.

Our teams commit every day, everywhere, for everyone to make public transport the natural choice for cities and passengers.