

3rd UITP Automated Metro Seminar Paris, 5 – 6 March 2012

Organised by the UITP Observatory of Automated Metros with the kind support of RATP

Recent trends point to a sharp rise in the number of automated lines in the coming years.

Are you planning to launch, extend or improve your system? If so, you should be considering automation. Where to start?... Why not talking to other operators?

The UITP Automated Metro Seminars are the reference in the sector:

- Designed and presented by experienced automated metro operators
- Focus on operator's needs: from the design stage to the long term maintenance of the system
- Showcasing best practices from four continents

The 3rd Seminar will visit Paris four months after the landmark conversion of Line 1:

- Analyze with local experts the technical, organizational and social challenges of automating a line
- Choose and join two exclusive technical visits with RATP experts according to your interests





> Monday 5 March – Worldwide metro automation update

14:30 - 16:00 **Session 1 – Atlas & keynotes on automation**

■ Opening and Welcome

Ramón Malla, Executive Coordinator of the Observatory of Automated Metros, Director of Automated Lines, TMB, Barcelona

Yves Ramette, Chairman UITP Metropolitan Railways Assembly and Deputy Managing Director, RATP, Paris

- **Atlas of Automated Metro Lines** – A yearly overview on the status of metro automation worldwide, prepared and presented by the Observatory of Automated Metros at UITP as part of its mission of gathering the most relevant information on UTO systems and monitoring their evolution.

Ramón Malla, Executive Coordinator of the Observatory of Automated Metros, Director of Automated Lines, TMB, Barcelona

■ Keynotes on automation – Part I

Latest developments in 2011:

Dubai: Commissioning the Green Line – *Ramadan Abdullah Mohammed, Director of Rail Operations Department - Rail Agency, Roads & Transport Authority, Dubai*

São Paulo: Line 4 Extensions – *Claudio Andrade, Director, ViaQuatro, São Paulo*

16:00 - 16:30 Coffee break

16:30 - 18:00 **Session 2 – Keynotes on automation II**

Latest developments in 2011 (part II):

Singapore: Automatic lines keep growing – *Sim Wee Meng, Group Director – Circle & Downtown Lines, Land Transport Authority, Singapore*

Vancouver: 25 years of automation – Learning from the pioneers

Ian Graham, Senior Operations Planner, SkyTrain Expo/Millennium Lines, British Columbia Rapid Transit Company Ltd., Vancouver

19:30 - 22:00 Official dinner at Salons France-Amériques, 9-11 avenue Franklin Roosevelt – 75008 Paris

> Tuesday 6 March, morning – Managing the life cycle of UTO lines

09:00 - 10:45 **Session 3 – Setting the strategy & defining the requirements for an automated system**

- **Setting the Strategy: Is the tendering strategy the same for automated and conventional lines? What about conversions and extensions?** – When planning an automation project (new line or conversion), it is essential to consider the best strategy for tendering in order to achieve the goals of such a complex endeavor. Learn from the experience of operators who have gone through this process.

Didier Bense, President, Société du Grand Paris, Paris

- **Defining the requirements: Are UTO lines more sustainable and greener than conventional ones?** – UTO line features can contribute to improve energy efficiency, which is becoming more important every day. Operators will outline the barriers to obtain maximum benefit from UTO and present realistic solutions, revealing their level of use. Plus a look at the industry roadmap for all these features.

Isabelle Yves, Responsable Mise à disposition Systemes Ferroviaires, Transports publics de la région Laussanoise, Lausanne



- **Last call in passenger information trends** – Automated metro systems allow an unprecedented degree of service flexibility. But they are useless if not dynamically supported by passenger information systems. Hear about the technical trends in the management of information to the passage and possible ways to integrate the different channels.

Philip Wong, Deputy General Manager – Technical and Engineering Services, MTR Corporation Limited, Hong Kong

Panel discussion – The role of the operator during the specification stage: a necessary evil?

Participants: Gunni Frederiksen (Metroselskabet, Copenhagen), Didier Bense (Grand Paris, Paris), Isabelle Yves (TL, Lausanne), Philip Wong (MTR, Hong Kong), Vicenç Rius (TMB, Barcelona), Claudio Andrade (ViaQuatro, Brazil)

10:45 - 11:15 Coffee break

11:15 - 13:15 Session 4 – Operating and maintaining an automated system

- **Superhumans or UTO employees: What to expect and require from a UTO profile** – What are the differences in staff profile for automated and conventional lines? Finding the right balance between technical expertise and client-oriented profiles.

Ian Graham, Senior Operations Planner, SkyTrain Expo/Millennium Lines, British Columbia Rapid Transit Company Ltd., Vancouver

- **How to attend an ‘Unattended Train’** – Unlike a train with driver, an unmanned train or a train without staff on board (usually named “unattended”), requires different operational criteria in case of disruption. Automated line operators describe how their trains can be better attended than conventional trains.

Philippe Leguay, International Director Urban Systems Transport, Keolis, France

Panel Discussion: The long-term challenges for UTO staffing models

Participants: Ian Graham (BCRT, Vancouver), Philippe Leguay (Keolis, France), Gérald Churchill (RATP, Paris), Ramón Malla (TMB, Barcelona), Andreas May (VAG, Nuremberg)

- **Squeezing performance of UTO lines. How to outperform conventional lines** – Operators with high performance UTO lines share their opinions on the optimal management of a UTO line for maximum benefit. Find out about the key requirements of the system and whether it is necessary to look beyond technology to find ways to succeed.

Chia Choon Poh, Senior Project Manager, Rolling Stock (Circle & Downtown Lines), Land Transport Authority, Singapore

Panel Discussion

Participants: Philippe Leguay (Keolis, France), Michel Daguerregaray (RATP, Paris), Ian Graham (BCRT, Vancouver), Sim Wee Meng (LTA, Singapore), Andreas May (VAG, Nuremberg)

- **Debate: The impact of maintenance in UTO lines** – Technology is one of the main protagonists in UTO lines. Maintenance managers and industry providers will discuss issues including: maintenance plans and strategies, differences between conventional and automated lines, cost, and all key aspects that operators should not leave out to ensure successful maintenance of UTO lines.

Moderator: Hubert de Blay, Chairman of the Vehicle and Equipment Industry Committee, UITP & Product Training Director, Alstom Transport, France

Participants: Keolis (France), Eric Dyèvre (RATP, Paris), Carlo Bianco (Metro Service, Copenhagen) & industry representatives (tbc)

13:15 - 14:30 Networking lunch

> Tuesday 6 March, afternoon – Focus on line conversion: Paris L1

14:30 - 16:00 Session 5 – Converting a line... Is not automatic!

On 3 November 2011 RATP completed the most ambitious conversion project to date: Automating its oldest line, with a ridership of 750,000 passengers per day without significant interruption of traffic. Four months after the first automated trains started passenger service, RATP will share the lessons learnt and the first return on experiences. Detailed presentations will cover the technical, social and organizational aspects of the project:

- **The functional and organisational challenge**

Gérald Churchill, Director of Automation Projects, RATP, Paris

- **The technical challenge**

Laurent Fournet, Deputy Director – Engineering Department, RATP, Paris

- **The social challenge**

Philippe Mancone, Director Line 1, RATP, Paris

16:00 - 18:00 Technical visit – Conversion behind the scenes

RATP experts will accompany a detailed visit programme offering a direct overview of key aspects on the project:

- Operations: visit to Line 1 and its OCC
- Infrastructure solutions: the challenge of platform screen doors on 100 year old stations
- Rolling stock & maintenance: Visit to the line maintenance center
- Alternative visit: L14 OCC

Participants in the Seminar will be able to take part in two of the above technical visits – places are limited and will be allocated on a first-come, first-served basis.

The Observatory of Automated Metros is a UITP body composed of **leading operators in this sector worldwide.**

Its mission is to **disseminate and share knowledge** with a **cross-cutting approach** to all the business perspectives of automated lines operation.

It also analyzes the **global evolution** identifying future trends, presenting them in periodical reports and events.

VENUE, FEES & REGISTRATION:

	Price in EUR	Price in EUR (incl. 19,6% French VAT)
UITP Member	325	388,7
Non-UITP Member	450	538,2



- This event will be held at “Maison de la RATP – Espace du Centenaire – 189 rue de Bercy or 54 quai de la Rapée - 75012 Paris”
- This event is open to public transport professionals, member and non member of UITP
- Register via the UITP website at www.uitp.org/Public-Transport/metro/#next or contact corentin.wauters@uitp.org to receive the direct registration link
- Contact UITP for group discount information
- Fees cover participation in the programme and meals as described, save printing error
- Accommodation is not included; participants are invited to book their own hotel room (For the comfort of participants, UITP has negotiated prices with selected nearby hotels)
- Cancellation policy: UITP accepts cancellations until 5 February 2012, subject to an administrative fee of 50 EUR. After 5 February 2012, no cancellations will be accepted