

The background of the slide is a complex collage of images. It includes a busy city street with cars and buildings, a large clock tower (Big Ben), a modern train on tracks, and a classical building facade. The overall color palette is muted, with greys, blues, and browns, giving it a historical and urban feel.

Hans M. Schabert
Group President
Siemens Transportation Systems

Innovative Solutions for Public Transport in Mega Cities

Tradition and Transformation - The Future of The City
8th World Congress of Metropolis
11 - 15 May 2005
Berlin

Siemens Transportation Systems ...

... is one of the world's leading solution providers of innovative and sustainable mobility systems for rail-based mass transit, regional, and main line traffic:

from rail automation and traction power supply through rolling stock to turnkey solutions and forward-looking service concepts.



Hans M. Schabert
Group President
Siemens TS

“Innovative Solutions
for Public Transport
in Mega Cities”

Tradition and
Transformation –
The Future of The City

8th World Congress
of Metropolis
11 - 15 May 2005
Berlin

Turnkey Solutions for urban development Siemens integrates all elements and parties

Siemens Project Management

Siemens Scope of Supply:

- Rolling Stock
- Signaling
- Control Centre
- Telecom
- Traction power
- Catenary/3rd rail
- SCADA
- Building Services
- Workshop/Depot
- Fare Collection
- Installation

- Design
- Construction
- Commissioning
- Training
- After Sales Service
- Maintenance
- Operation

Third Parties:

- Suppliers
- Public Utilities
- Local Partners
- Financial Institutions
- Municipalities
- Transit Authorities
- All Level of Governments
- Civil contractors
- Planning & Consulting Companies

Hans M. Schabert
Group President
Siemens TS

“Innovative Solutions
for Public Transport
in Mega Cities”

Tradition and
Transformation –
The Future of The City

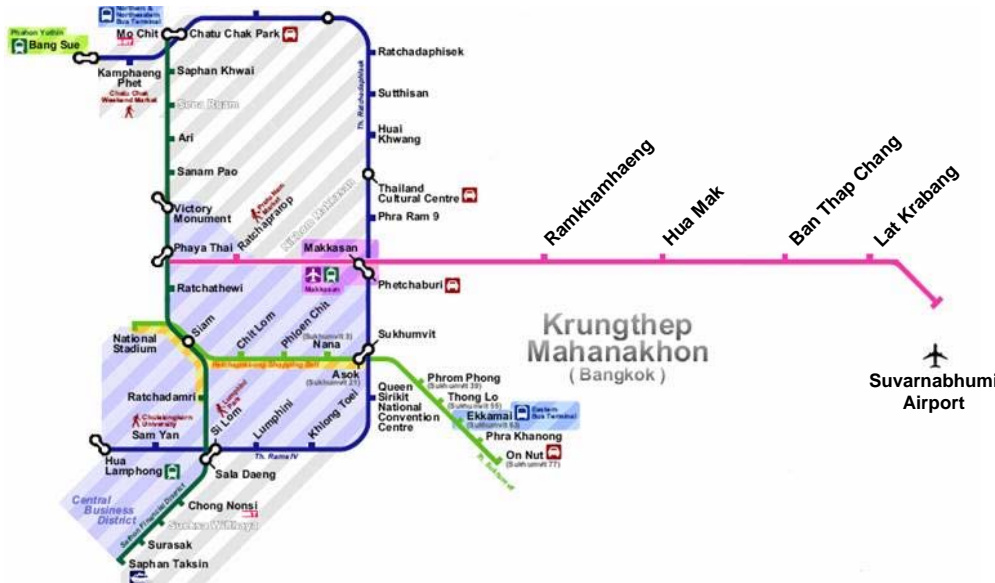
8th World Congress
of Metropolis
11 - 15 May 2005
Berlin



TS Commitment to Mega Cities' Infrastructure: Bangkok

Siemens references in Bangkok:

- Skytrain (completed)
- Metro (completed in 2004)
- Airport Rail Link (Order received in 2005)



Hans M. Schabert
Group President
Siemens TS

“Innovative Solutions
for Public Transport
in Mega Cities”

Tradition and
Transformation –
The Future of The City

8th World Congress
of Metropolis
11 - 15 May 2005
Berlin

TS Commitment to Mega Cities' Infrastructure: Shanghai

Projects:

Siemens' share:

Shanghai Line 1:

Rolling stock, power supply, telecommunication systems

Shanghai Line 1 South Extension:

Power supply, telecommunication systems

Shanghai Line 2:

Rolling stock, power supply, telecommunication systems

Transrapid:

Signaling, traction and control systems

Shanghai Line 5:

Signaling system

Shanghai Line 4:

Rolling stock



Hans M. Schabert
Group President
Siemens TS

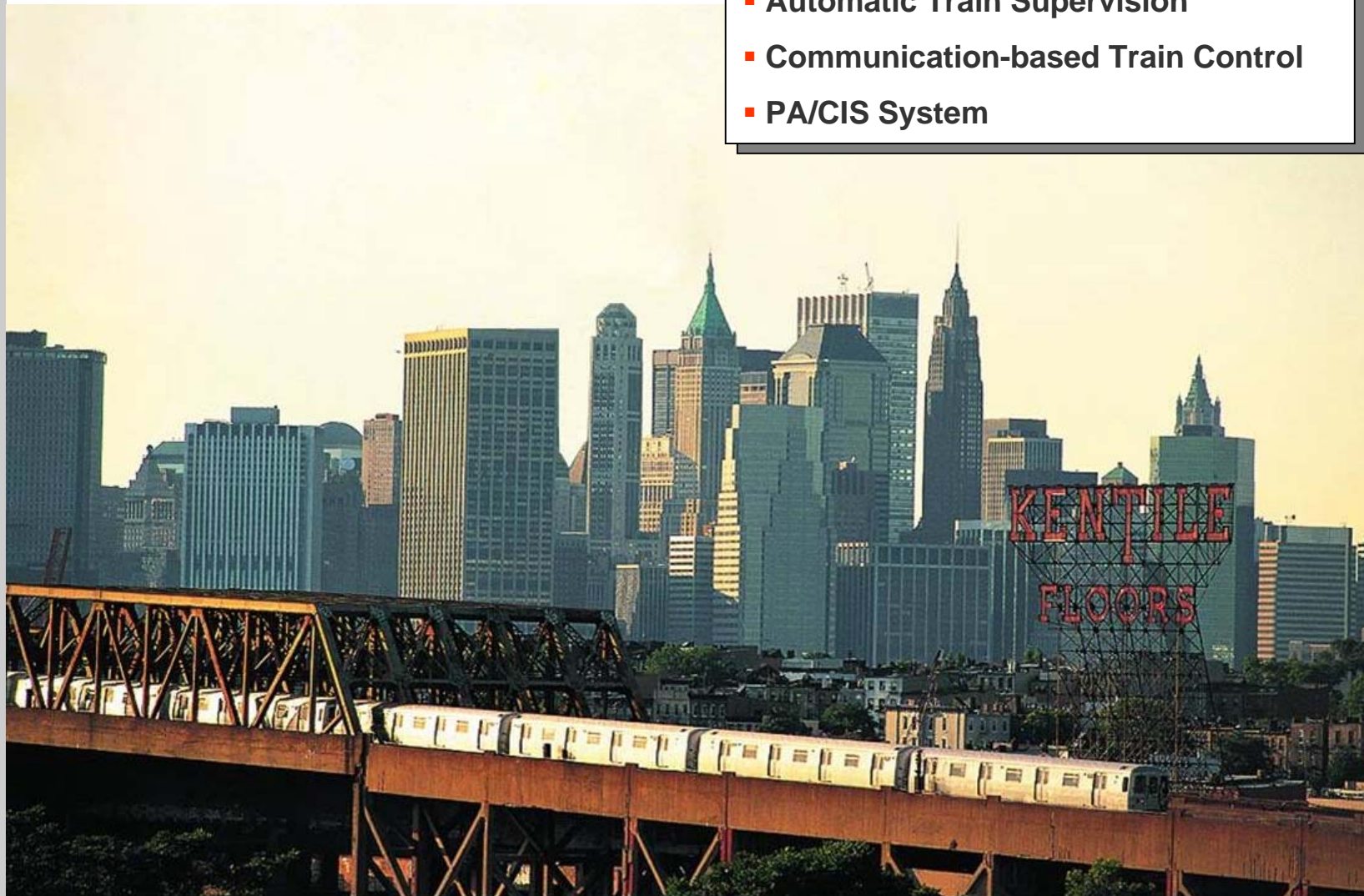
“Innovative Solutions
for Public Transport
in Mega Cities”

Tradition and
Transformation –
The Future of The City

8th World Congress
of Metropolis
11 - 15 May 2005
Berlin

TS Commitment to Mega Cities' Infrastructure: New York

- Automatic Train Supervision
- Communication-based Train Control
- PA/CIS System



Hans M. Schabert
Group President
Siemens TS

“Innovative Solutions
for Public Transport
in Mega Cities”

Tradition and
Transformation –
The Future of The City

8th World Congress
of Metropolis
11 - 15 May 2005
Berlin

Rubin – Fully automated metro for Nuremberg

- New construction of Line 3 as the first driverless metro in Germany
- Supply of 30 vehicles and proven safety and control systems
- Retrofitting of existing trains and line sections for mixed operation of conventional/driverless trains on the tracks of Line 2
- Gradual retrofitting of the other sections of Line 2
- Increase in safety and flexibility for the operator and greater convenience for passengers due to the higher service frequency (140 s to 100 s)



Status: 2006 passenger service
Line 3 - 2007 fully automatic
operation on lines 2 and 3



Hans M. Schabert
Group President
Siemens TS

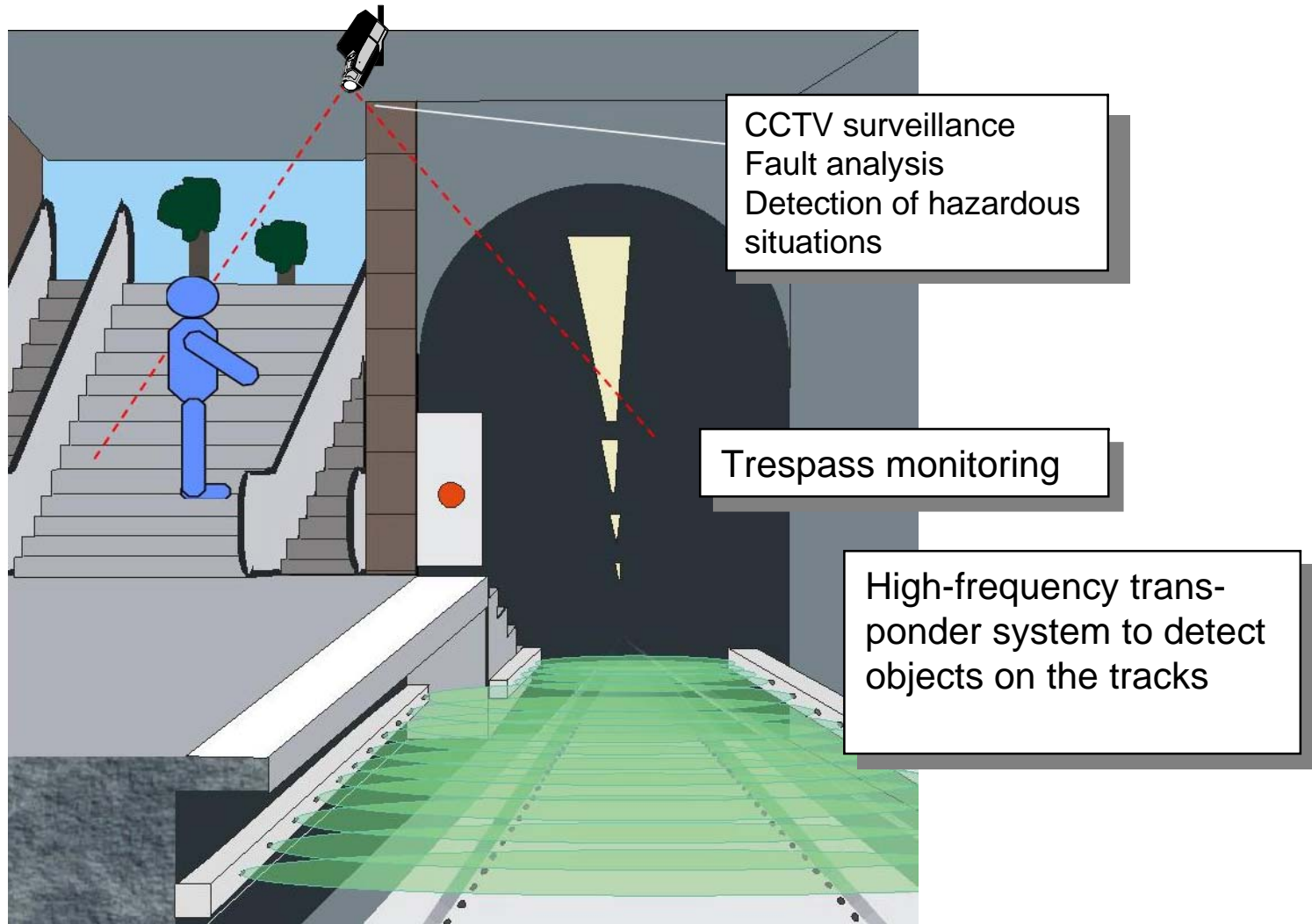
“Innovative Solutions
for Public Transport
in Mega Cities”

Tradition and
Transformation –
The Future of The City

8th World Congress
of Metropolis
11 - 15 May 2005
Berlin

Slide 7

Platform safety system detects persons and objects



CCTV surveillance
Fault analysis
Detection of hazardous situations

Trespass monitoring

High-frequency transponder system to detect objects on the tracks

Hans M. Schabert
Group President
Siemens TS

“Innovative Solutions
for Public Transport
in Mega Cities”

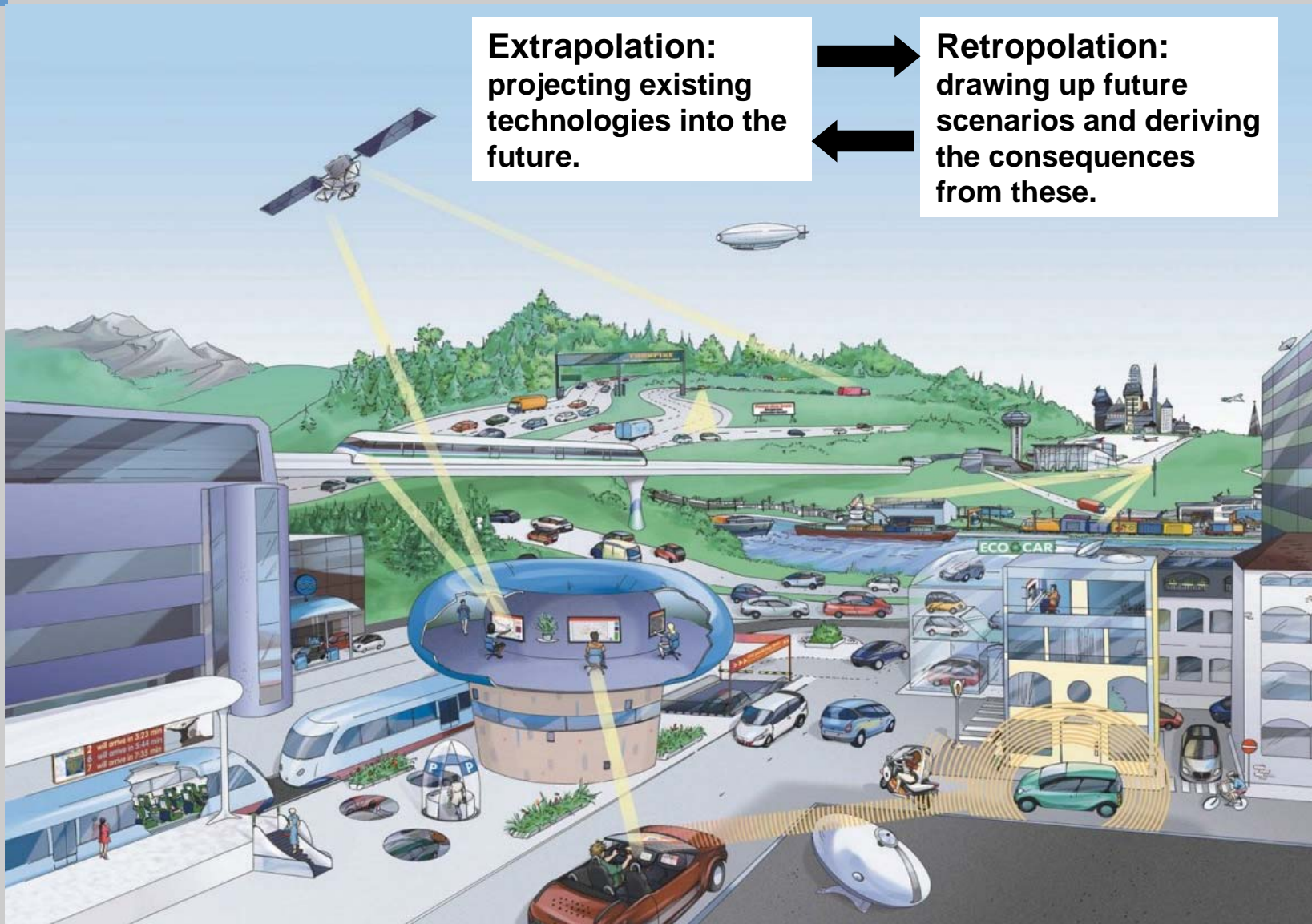
Tradition and
Transformation –
The Future of The City

8th World Congress
of Metropolis
11 - 15 May 2005
Berlin

Picture of the future: Transportation

Extrapolation:
projecting existing technologies into the future.

Retropolation:
drawing up future scenarios and deriving the consequences from these.



Hans M. Schabert
Group President
Siemens TS

“Innovative Solutions
for Public Transport
in Mega Cities”

Tradition and
Transformation –
The Future of The City

8th World Congress
of Metropolis
11 - 15 May 2005
Berlin

Thank you

for your attention.



Hans M. Schabert
Group President
Siemens TS

“Innovative Solutions
for Public Transport
in Mega Cities”

Tradition and
Transformation –
The Future of The City

8th World Congress
of Metropolis
11 - 15 May 2005
Berlin