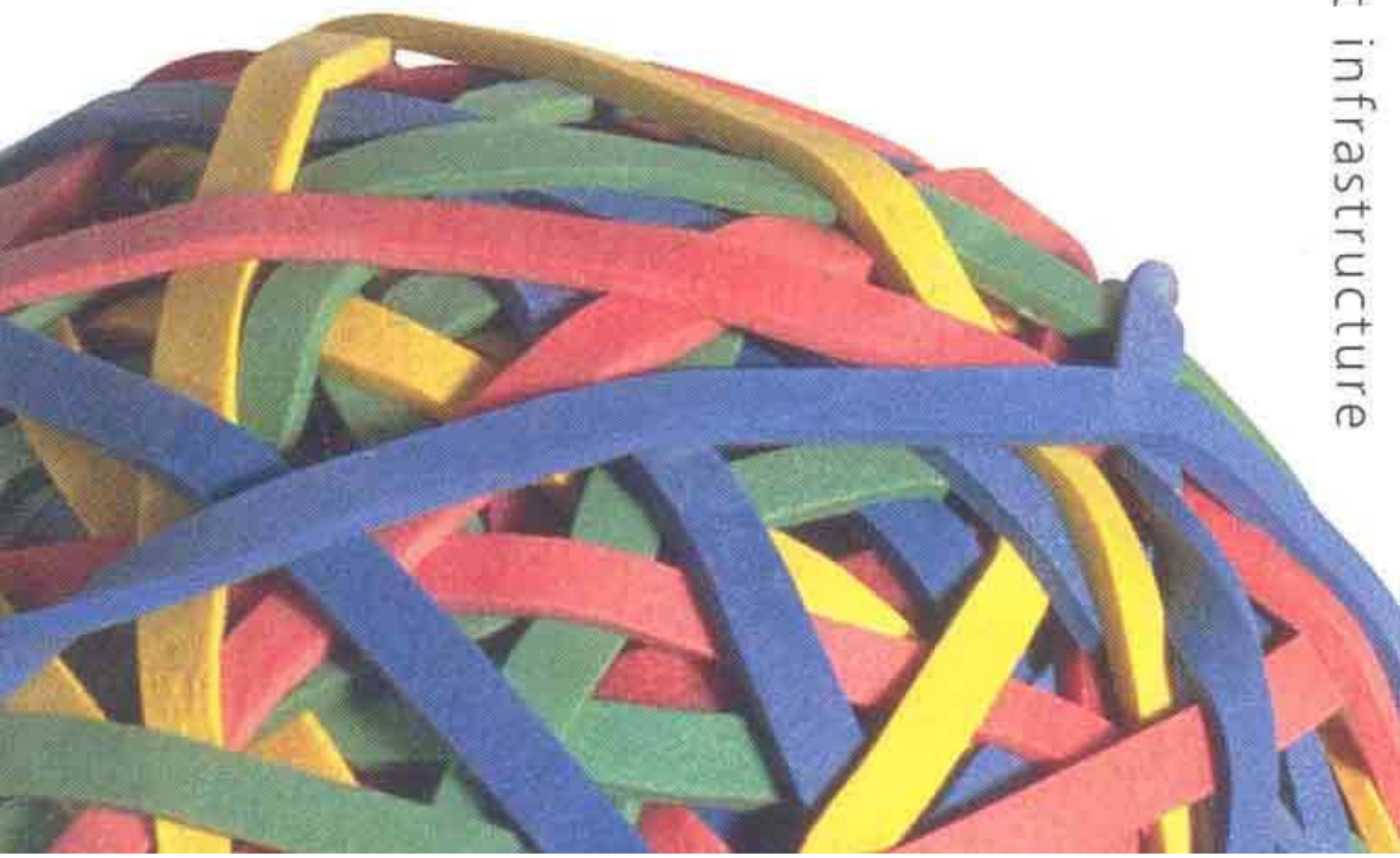


A profile of the organisations that operate

the backbone of the Athens transport infrastructure

# **THE ATHENS URBAN TRANSPORT NETWORK IN FACTS AND FIGURES**





ΟΑΣΑ



# OASA

## *Athens Urban Transport Organisation*

OASA is an organisation under the jurisdiction of the Ministry of Transport and Communications, and was founded in 1993. Its tasks include the planning, scheduling, organisation, coordination, control and provision of transport services by all overground and underground means of public transport.





# ETHEL

## Thermal Bus Company

**ETHEL operates the buses that serve the capital. Its transport network comprises 300 bus lines that cover the capital in its entirety. The bus line network is composed of the following lines:**

- 42 core lines that connect the Athens and Piraeus city centres with the centres of the peripheral municipalities
- 107 radial lines that connect the Athens and Piraeus city centres with the centres of the neighbouring municipalities
- 12 inter-municipal lines that connect the municipalities of the Attiki basin without crossing the Athens and Piraeus city centres
- 116 local lines that operate within the limits of one or a group of neighbouring municipalities and act as suppliers to the core lines
- 14 express lines
- 8 school lines

The renovation plan of the ETHÉL fleet was funded primarily by the 1998-2001 investment programme.

The renovation had a 4-year timescale and included the purchase of 1045 new buses, of which 750 are diesel-powered Euro II, and 295 were natural gas powered.

This purchase was co-funded by the 2nd Community Support Framework and the Programme of Public Investment.





## Key facts and figures about ETHEL

### Staff

ETHEL has a total staff of 6,683 employees, broken down as follows:

- 5,327 operation staff
- 951 technical staff
- 279 administration and management executives
- 126 auxiliary staff

### Fleet

ETHEL owns and operates a fleet of 1839 buses. Currently, there are 1623 buses in operation during peak hours, against 1490 buses in peak hour circulation in 1997.

Within the ETHEL fleet:

- 295 buses run on natural gas
- 657 buses are of average age

- 1037 utilise modern environmentally-friendly technology
- The remaining 145 earlier generation buses are scheduled to be substituted by the end of 2004 by 400 new technology buses

### Speed

- The average ETHEL bus speed in the city centre is 7km/h
- In areas outside the city centre the average speed increases to 13 km/h
- In peripheral areas the average speed ranges between 18 and 20 km/h
- The average speed in special bus lanes ranges between 20 and 23 km/h

# ETHEL

## Thermal Bus Company

### Air conditioning

Currently, 92% of the ETHEL fleet is air conditioned. The percentage of air-conditioned buses in 1997 was 22%.

### Routes

ETHEL operates c. 15,000 routes daily, which represents 98.6% of all scheduled routes. This percentage is considered very high, given the constant deterioration of traffic conditions, as well as the continued decrease of the buses' average speed

### Capacity

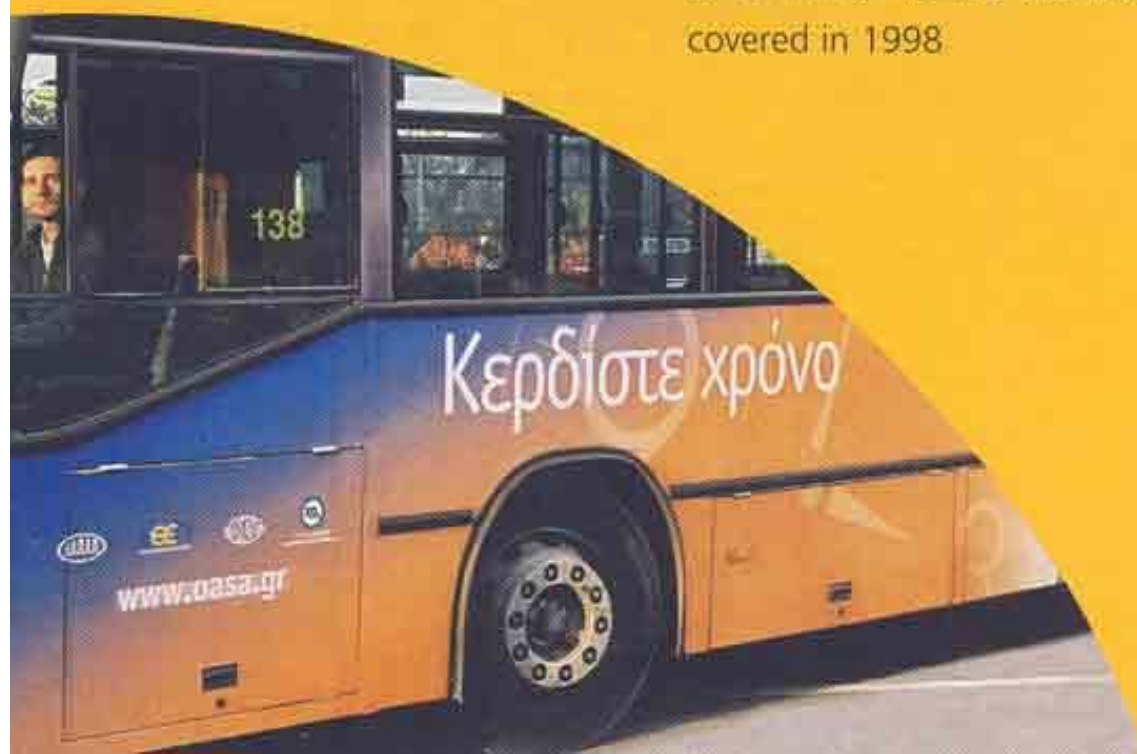
ETHEL vehicle capacity (194,223 in 2003) has increased by 25% compared to the same index in 1998 (156,468)

### Journeys

The total number of ETHEL passenger journeys in 2003 was 380 million

### Distance covered

The total amount of ETHEL vehicle kilometres covered exceeded 108 million in 2003, which represents an increase of 22 million vehicle kilometres covered in 1998







# ISAP

## Electric Railway Company



**ISAP operates the Electric Railway line that runs between Piraeus and Kifisia, serving a total of 22 stations.**

**The total length of the network is 25.6 km, while the total journey time is 50 minutes**

### Key facts and figures about ISAP

#### Staff

ISAP has a staff of 1,362 employees, broken down as follows:

- 239 conductors
- 390 technical staff
- 242 administration and management executives
- 491 operations staff

#### Fleet

ISAP currently has 44 trains, which amount to 243 wagons

40 new tri-wagon trains were recently introduced in circulation

#### Speed

The average speed of the ISAP trains is 30km/h

#### Routes

ISAP operates 535 routes daily. This number is expected to increase to 850

#### Journeys

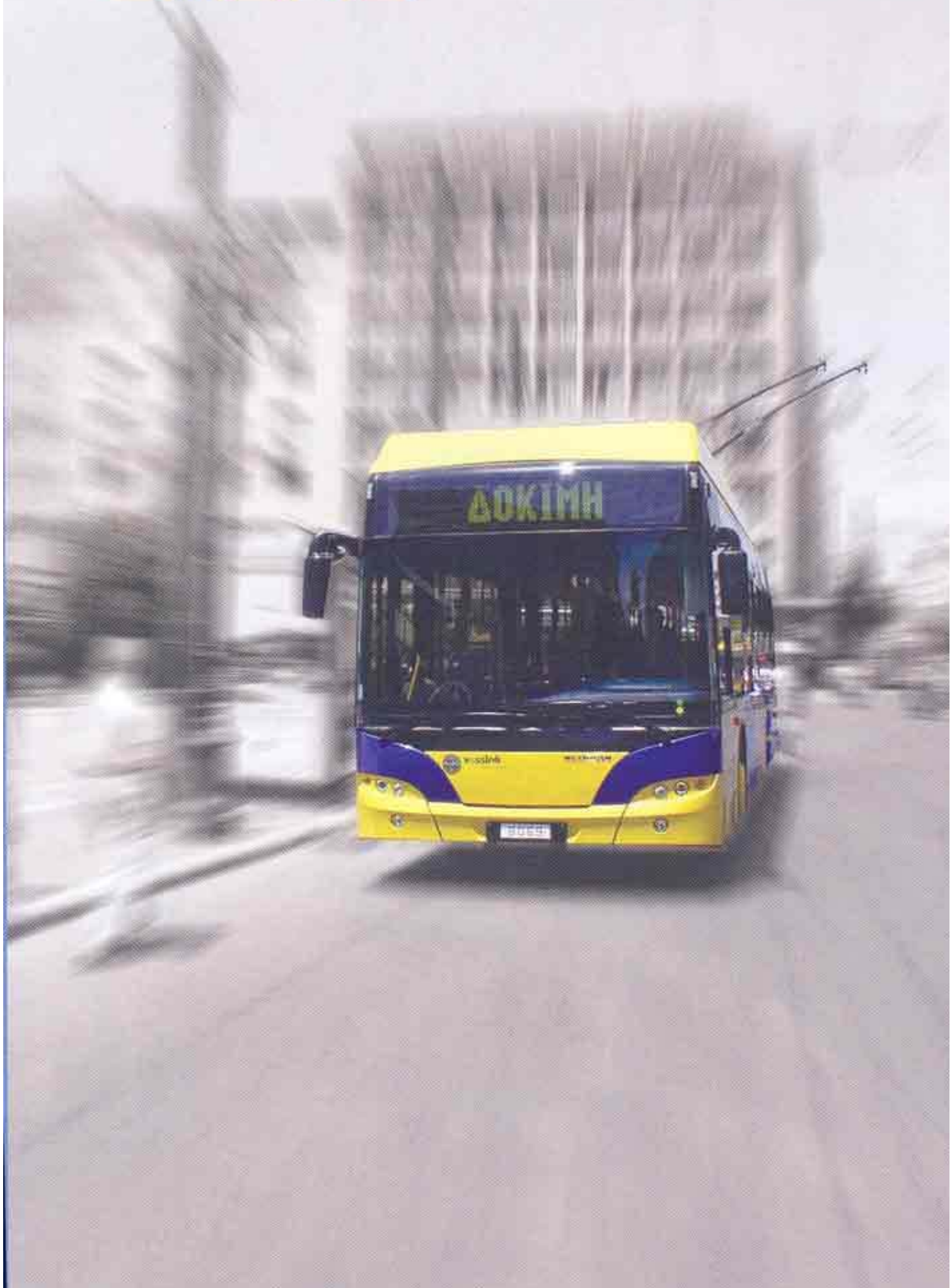
The daily total number of ISAP passenger journeys is currently c. 400,000. This is expected to increase to 600,000 by the end of 2004

#### Distance covered

The total amount of ISAP vehicle-kilometres covered in 2002 was 17,859,374.

This number is expected to reach 19,000,000 by the end of 2004





# ILPAP

## Electric buses of the Athens and Piraeus region

**ILPAP operates an electric bus network (electric buses are also called "trolley buses") of 22 lines that serve primarily the Athens and Piraeus city centres. 10 of these lines are being monitored by a telematic system. As of July 1st 2004, the network has expanded to cover the Halandri region as well. The ILPAP Investment Programme is devoted to the modernisation of the trolley bus network.**

### Key facts and figures about ILPAP

#### Staff

ILPAP has a total staff of 1,676 employees, broken down as follows:

- 1,137 operation staff
- 380 technical and auxiliary staff
- 149 administration and management executives
- 8 medical staff
- 2 legal advisors

#### Fleet

ILPAP owns and operates a fleet

of 344 trolley buses. This number is expected to increase to 366 by the end of September 2004

#### Speed

Average trolley bus speed in special bus lanes exceeds 20 km/h

#### Air conditioning

- All trolley buses are air-conditioned (142 trolley buses are also equipped with heating system)
- All trolley buses are self-powered (by diesel engine as well as electric generator), for continuity in cases of power failure or physical obstacles
- 91 trolley buses have special access for the disabled
- 190 trolley buses are equipped with telematic systems

#### Routes

The number of operated trolley bus routes per day is 2,151 (Winter 2004 figures)

#### Journeys

The total number of trolley bus passenger journeys in 2003 was 77 million. This number is expected to increase to 100 million in 2005





# TRAM SA



**Tram S.A. was founded in March 2001.**

**Construction of the new Tram network of Athens began in early 2002. The project was funded by the European Fund of Regional Development of the 3rd Community Support Framework by 50%, while the rest was covered by national funds.**

The Tram network connects the centre of Athens with both ends of the coastal avenue, ie Glyfada in the East and Piraeus in the West. The Tram network features three stations for passenger interchange with the Metro Lines 2 and 3, and one station for passenger interchange with the ISAP electric railway Line 1.

## **Key facts and figures about Tram S.A.**

### **Staff**

Tram S.A. has a total staff of 482 employees, broken down as follows:

- 345 operations staff
- 137 administration and management executives

### **Fleet**

Tram S.A. owns and operates a fleet of 42 tram vehicles, which serve 47 stations

### **Speed**

The average tram vehicle speed (including waiting time at stations) is 23km/h

### **Journeys**

The total daily number of Tram passenger journeys is estimated at 80,000

### **Waiting time**

The average waiting time for Tram passengers is 8 minutes between 6am and 1am, and 40 minutes between 1am and 6am





**ΑΤΤΙΚΟ ΜΕΤΡΟ  
ΕΤΑΙΡΕΙΑ ΛΕΙΤΟΥΡΓΙΑΣ Α.Ε.**



# AMEL

## Operation of the Attiki region metro network



### Amel operates the 2 lines of the metro network that serves 23 stations in total.

- The total length of Line 2 is 11.6 km, with a total journey time of 20 minutes
- The total length of Line 3 is 12 km, with a total journey time of 18 minutes
- Metro Line 3 trains serve the Athens International Airport "Eleftherios Venizelos", via the Suburban Railway network. The total length of Line 3 from the departure station in Monastiraki to Eleftherios Venizelos is 35,1 km, with a total journey time of 38 minutes

### Key facts and figures about AMEL

#### Staff

AMEL has a staff of 1,143 employees, broken down as follows:

- 176 train conductors
- 163 station managers
- 316 technical staff
- 105 ticket sales staff
- 300 administration and management executives
- 60 safety and monitoring staff
- 48 Operations Control Centre staff

#### Fleet

AMEL owns and operates a fleet of 42 trains, with a total of 252 wagons. An additional 7 trains are scheduled for imminent delivery

#### Speed

- The average AMEL Line 2 train speed is 35km/h
- The average Line 3 train speed is 40km/h
- The average speed of trains serving the Athens International Airport is 48 km/h

#### Air conditioning

The 7 AMEL trains that serve the Athens International Airport operate with twin electrification system and are air-conditioned

#### Routes

AMEL executes 280 routes on Line 2 and 264 routes on Line 3 daily

#### Journeys

The daily average number of AMEL passenger journeys is 550,000

#### Distance covered

The total amount of AMEL vehicle kilometres covered in 2003 was 14,408,266

#### Frequency

Trains, at peak hours, pass through AMEL stations every 3 minutes





MINISTRY OF  
TRANSPORT &  
COMMUNICATIONS