

Tomorrow's **transport** today



Rail and transit consultants and engineers



The Egis Group, (75% held by Caisse des Dépôts and 25 % by Iosis Patenaires) is an engineering and consulting group specialised in infrastructure construction and transport systems, urban development, water treatment and environmental protection. The group is also involved in project set up and highway and airport operation.

The new group is the result of the merger on 1st January 2011 of Egis, leader in infrastructure engineering and Iosis, French leader in construction engineering and nuclear civil engineering.

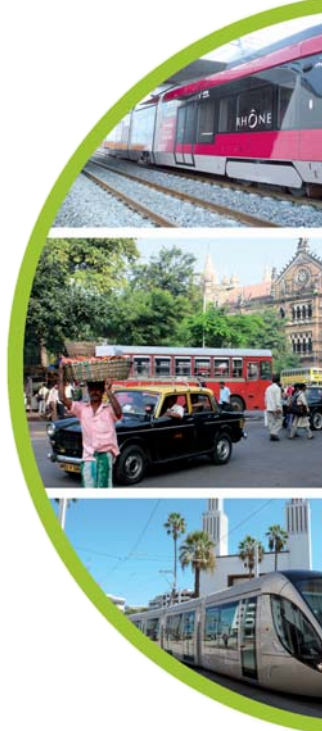
The group has a workforce of 11,000 (7,000 engineers) and attained €800m turnover in 2010. It is represented in more than 100 countries and has 500 branches in France.

This new group is the only French construction engineering group to rank among the first 10 European groups and the first 20 worldwide.

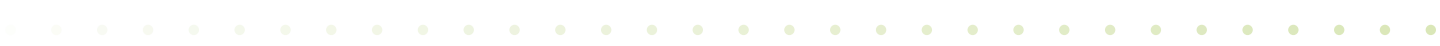
## Egis Rail

Egis Rail, backed up with the relevant expertise from other Egis specialised branches, brings together all the skills to plan, design and deliver metro, light rail transit (LRT), guided bus and heavy rail systems.

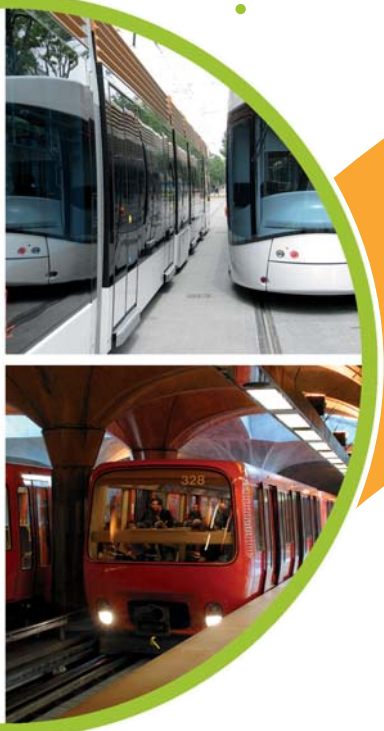
During the last five years, Egis Rail has expanded its business activity, in particular on the export market where turnover has increased by 40% between 2009 and 2010.



## Organisation



# in figures



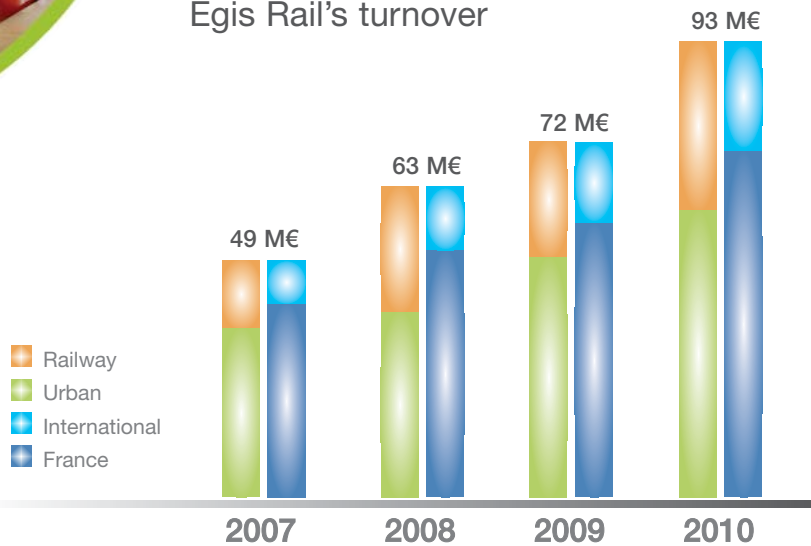
11000

professionals

46%

of Egis activities are carried out abroad

Egis Rail's turnover



## Urban

### MRT/Metro

- semi-automatic
- automatic, driverless

### LRT/Tramway

### Bus Rapid Transit

### Automated People Mover

- airports
- steep gradient systems
- cable car

## Suburban

### Express rail shuttles

### Commuter rail networks

### Multi-modal interchange stations

## Railway

### High Speed Lines

### Inter-city and regional lines

### Freight railroads

### Intermodal terminals

### Stations

## our values

Responsibility, Solidarity, Independence, Creativity !

Egis Rail has been working successfully for more than 40 years on the urban and rail transport engineering market.

Our customers appreciate and place their trust in our unique blend of technical expertise associated with a value-based company culture.



# our expertise

## From design to delivery



- Master planning
- Feasibility and preliminary studies
- Design, System integration
- Engineering, Procurement, Construction Management
- Project management
- Contract engineering
- Engineering within PPP's
- Maintenance engineering
- Testing and commissioning
- Expert appraisals and audits

### track

- track structure design
- track alignment
- track and ballast renewal
- expert appraisal, inspection
- LRT track overhaul

### power supply

- overhead lines
- power supply dimensioning
- installation of sub-stations
- support/foundations for overhead lines
- distribution/auxiliary power

### rolling stock

- rolling stock consulting and expertise
- procurement of railway/urban transit vehicles
- recommendations for overhaul, refurbishment
- maintenance scheduling and fleet allocation
- maintenance engineering

### workshop - depot

- conceptual design/site layout
- detailed design and construction supervision
- procurement of depot equipment
- extension and upgrade of existing depots

### SYSTEMS INTEGRATOR

- interface management
- operating requirements
- integration/testing/commissioning
- cost optimisation

### ENVIRONMENT

- acoustics
- water legislation
- Environmental Impact Assessment
- public enquiry

### transport economics

- transport planning
- demand and traffic forecasting
- costs and benefits analysis
- business cases

### systems and telecomm

- traffic super
- radio netwo
- remote tran
- telephony s
- passenger
- automatic t

# our role

- Systems integrator
- Safety, quality
- Environment
- Planning
- Project Management



## structures

- railway viaducts
- urban bridges

## tunnels and underground works

- inspection
- cut and cover/TBM
- waterproofing
- car parks/stations
- civil works and E&M

## geotechnics and earthworks

- foundations and fill
- geological and geotechnical investigations
- retaining structures
- stability

## interchange stations

- functional design
- multimodal analysis

## operation/safety and reliability

- operation analysis and modelling
- evaluation of operating and maintenance costs
- safety cases
- Independent Safety Assessor reports (ISA)
- Reliability, Availability, Maintainability, Safety (RAMS)

## urban integration - alignment

- town planning
- routes identification
- functional design and urban integration
- track bed/utilities relocation/geometry

## signalling

- Automatic Train Control (ATP, ATO, ATS)
- rail interlocking systems
- traffic management systems
- ERTMS

## operating support

- maintenance assistance
- performance monitoring
- network renovation

## communications

- Mission/Centralised Control Room (OCC/SCADA)
- Data/telecommunications
- Missions
- Systems/CCTV/Public Address
- Information System/Automatic Vehicle Location System
- Data collection system

## E & M equipment

- lifts
- escalators and mechanical walkways
- smoke evacuation/ventilation
- pumping and drainage
- lighting

## PROJECT MANAGEMENT - CONTRACT ADMINISTRATION

- Contract relations
- Scheduling, planning, coordination
- Financial aspects
- Procurement strategy
- Impact of budgets and schedules



\* Approved Qualified Expert or Body

**Egis rail head office :**  
**Egis Rail**  
**Le Carat**  
**170, avenue Thiers**  
**69455 Lyon Cedex 06**  
**Tel.: +33 (0)4 37 72 40 50**  
**Fax: +33 (0)4 37 72 27 00**  
**www.egis-rail.fr**

**Egis Rail Guyancourt**  
 11, avenue du centre - CS 30530  
 Saint-Quentin-en-Yvelines  
 78286 Guyancourt Cedex  
 Tel.: +33 (0)1 30 48 44 00  
 Fax: +33 (0)1 30 48 43 66

**France**

**Besançon**

Egis Rail  
 29, avenue Carnot  
 25000 Besançon  
 Tel.: +33 (0)3 81 85 35 60  
 Fax: +33 (0)3 81 85 35 65

**Bordeaux**

avenue de la résistance  
 33305 Lormont Cedex  
 Tel.: +33 (0)5 57 77 66 33  
 Fax: +33 (0)5 57 77 66 20

**Aix en Provence**

SINTRA  
 ZAC des Chabauds  
 Mas Coriolis  
 13320 Bouc Bel Air  
 Tel.: +33 (0)4 42 94 68 90  
 Fax: +33 (0)4 42 94 68 91

**Brest**

Egis Rail - SemTram  
 27, bd Clémenceau  
 BP 51222  
 29212 Brest Cedex 01  
 Tel.: +33 (0)2 98 80 99 00  
 Fax: +33 (0)2 98 80 59 99

**Dijon**

Le Grama  
 15, place Grangier  
 21000 Dijon  
 Tel.: +33 (0)3 80 76 46 00  
 Fax: +33 (0)3 80 76 46 15

**Grenoble**

1 place Firmin Gautier  
 38200 Grenoble  
 Tel.: +33 (0)4 76 29 51 51  
 Fax: +33 (0)4 76 50 14 57

**Lille**

Immeuble «les Caryatides»  
 24, boulevard Carnot  
 59000 Lille  
 Tel.: +33 (0)3 28 36 59 20  
 Fax: +33 (0)3 28 53 05 47

**Marseille**

23, rue Vacon  
 BP 11801  
 13221 Marseille Cedex 01  
 Tel.: +33 (0)4 88 91 15 55  
 Fax: +33 (0)4 88 91 15 50

**Montpellier**

Immeuble Stratégie Concept  
 1300, avenue Albert Einstein  
 34000 Montpellier  
 Tél.: +33 (0)4 67 99 86 86  
 Fax: +33 (0)4 67 20 21 13

**Nice**

Groupement de MOE ESSIA  
 37, avenue Jean Médecin  
 06000 Nice  
 Tel: 04.97.00.09.80  
 Fax: 04.93.92.45.09

**Orléans**

CLEO Agglo  
 55, bd de Châteaudun  
 45000 Orléans  
 Tel.: +33 (0)2 38 78 75 46  
 Fax: +33 (0)2 38 78 40 17

**Paris**

46-52, rue Albert  
 75013 Paris  
 Tel.: +33 (0)1 53 82 71 80  
 Fax: +33 (0)1 53 82 71 99

**Poitiers**

COSEA  
 Les Hauts de Montgorges  
 Rue Caroline Aigle  
 BP 90505  
 86012 Poitiers Cedex  
 Tel.: +33 (0)5 49 20 83 04

**Rennes**

IOSIS – projet Métro  
 6, Cours Raphaël Binet  
 CS 44327  
 35 043 Rennes Cedex  
 Tel.: +33 (0)2 99 65 33 21

**Saint-Ouen**

114, avenue Gabriel Péri  
 93400 Saint Ouen  
 Tel.: +33 (0)1 44 04 00 00

**Strasbourg**

GETAS  
 Espace Européen Entreprise  
 4, rue de Vienne  
 BP 70008  
 67013 Strasbourg Cedex  
 Tel.: +33 (0)3 88 19 25 69  
 Fax: +33 (0)3 88 62 42 92

**Toulouse**

Immeuble Le Raisin  
 27, bd des Minimes  
 31200 Toulouse  
 Tél.: +33 (0)5 34 40 10 50  
 Fax: +33 (0)5 34 40 10 51

**Villersexel**

Groupement EF2R  
 Rue du Stade  
 BP71 - 70110 Villersexel  
 Tel.: +33 (0)3 84 61 72 00  
 Fax: +33 (0)3 84 61 71 99

**International**

**Algeria**

Egis Rail  
 2 lot les Jasmins  
 Les Sources  
 Bir Mourad Raïs  
 4400 Alger  
 Mobile: +213 5 53 05 74 12  
 Fax DP2 (Lyon) : +33 (0)4 37 72 27 15

**China**

EFS Consortium  
 Egis Rail - AIA Tower,  
 Units 1807 & 1808,  
 N° 251A-301 Avenida  
 Comercial de Macau  
 Macau  
 Tel.: (+ 853) 28 752 537

**India**

Egis Rail Calcutta  
 M/S KMRCL HRBC Building,  
 4<sup>th</sup> floor  
 Munshi Premchand Sarani  
 Nr Princep Ghat  
 Kolkata - 700 021  
 Tel.: +91 9051616416

Egis Rail Chennai  
 GC-EMBYE  
 c/o Chennai Metro Rail  
 Limited, 4th floor  
 42/54, APEX Tower,  
 2nd Main Road  
 R.A Puram, Chennai-600 028  
 Tel: +91 444 3973973

Egis India Delhi  
 12/6, Saffron Square  
 Delhi Mathura Road,  
 Faridabad - 121003  
 Haryana  
 Tel.: +91 129 4185600  
 Fax: +91 129 4050892

**Morocco**

Egis Rail Casablanca  
 Angle rue Kaid Al Achtar  
 et bd Bir Anzarane  
 Immeuble RIBH «A»  
 5ème étage/Appartement 20  
 20000 Casablanca  
 Tel.: +212 522 25 56 35  
 Fax: +212 522 25 56 42

Egis Rail Rabat  
 40, angle ave. Al Alaouiyyine  
 et rue Ahfir  
 10000 Rabat  
 Tel.: +212 537 26 36 66  
 Fax: +212 537 26 41 13

**Middle East**

Egis Rail Dubai  
 Headquarter Building  
 Dubai Silicon Oasis  
 P.O. BOX 341116  
 Dubai - UAE  
 Tel.: +971 4 372 49 13  
 Fax: +971 4 372 49 16

**Poland**

Egis Rail S.A.  
 Oddział w Polsce  
 ul. Puławska 182  
 02-670 Warszawa  
 Tel.: +48 22 20 30 100  
 Fax: +48 22 20 30 101

**Spain**

Egis Rail  
 Carrer Ramon Miquel  
 I. Planas 23-25  
 08034 Barcelona  
 Tel.: +34 93 205 17 96

