

TEM/HEEP Area V 2011 Annual Meeting

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Egis, building the future

June 14th, 2011



Summary

- Profile
- Businesses
- Markets sectors and specialties
- Contribute to a sustainable future
- Innovation, a strong value
- Egis' awards



Profile

Profile

- ▶ Egis is an engineering and consulting group active in infrastructure and systems for transport, development, industry, water, environment and energy.
- ▶ Egis also works in project management and road and airport operation.
- ▶ Subsidiary of the Caisse des Dépôts

- ▶ On January, 1st 2011, Egis and Iosis, construction and civil nuclear engineering leader, join forces to create a single construction engineering group with an atypical capital structure to answer issues of engineering territories.
- ▶ Egis group is the only French construction engineering player listed among **the top 10 ten European and the top 20 international groups**

► Our clients

- European Union
- States, equipment ministries
- State establishments
- Local authorities
- International donors
- Motorway companies
- Rail infrastructure management companies
- Public works contractors
- Infrastructure operators and transport network,
- Industrial companies (cars, oil, mines, chemicals, Shopping centres)

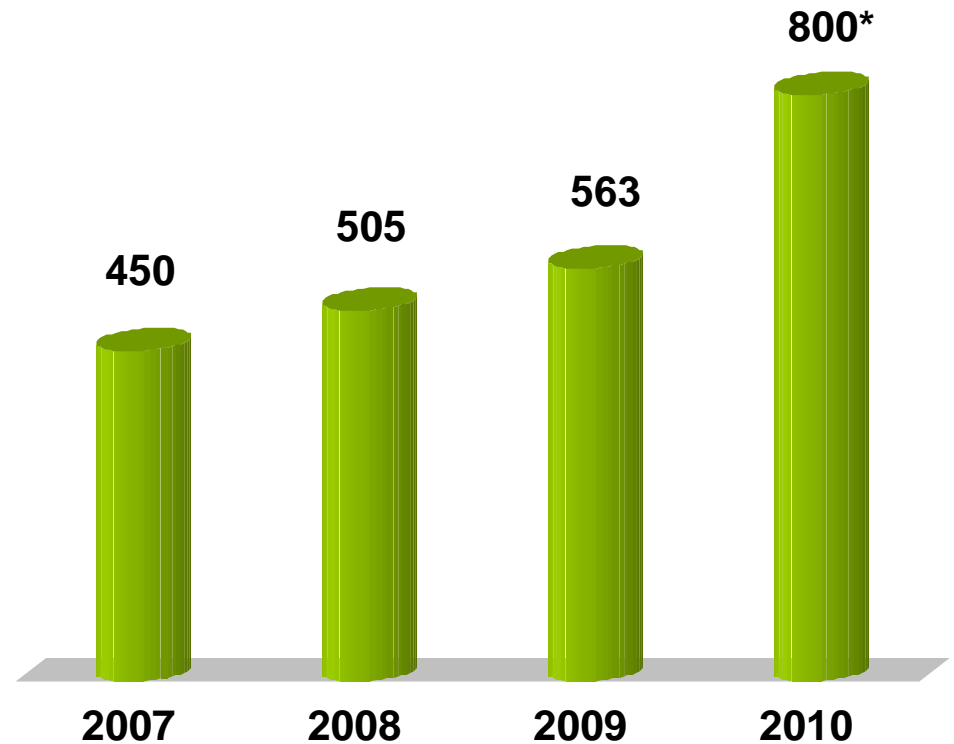
Profile : Keys figures 2010

up 11,6 %

over 2008

57 %

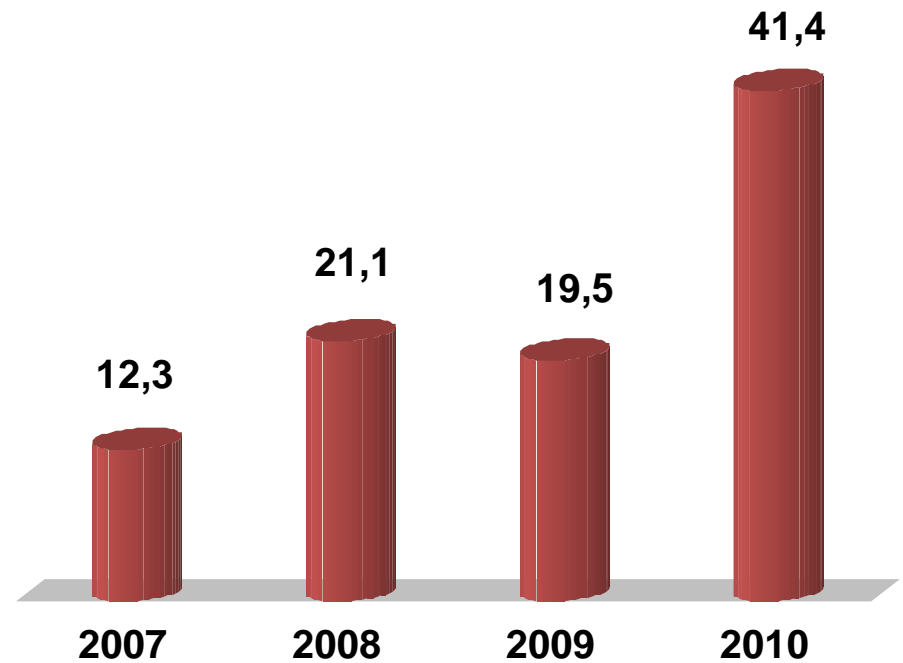
In international sector



Profile : Keys figures 2010

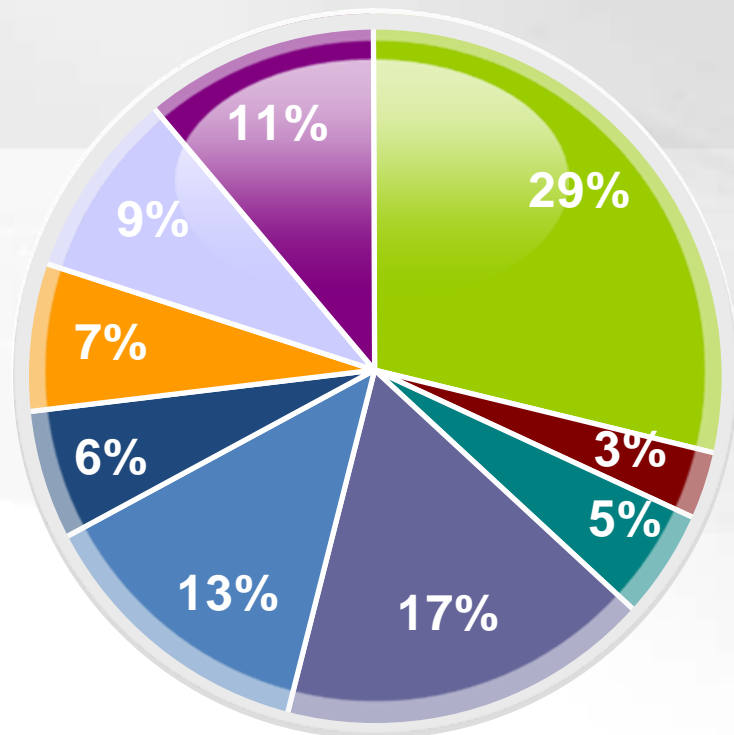
Net profit 2009

41,4 M€



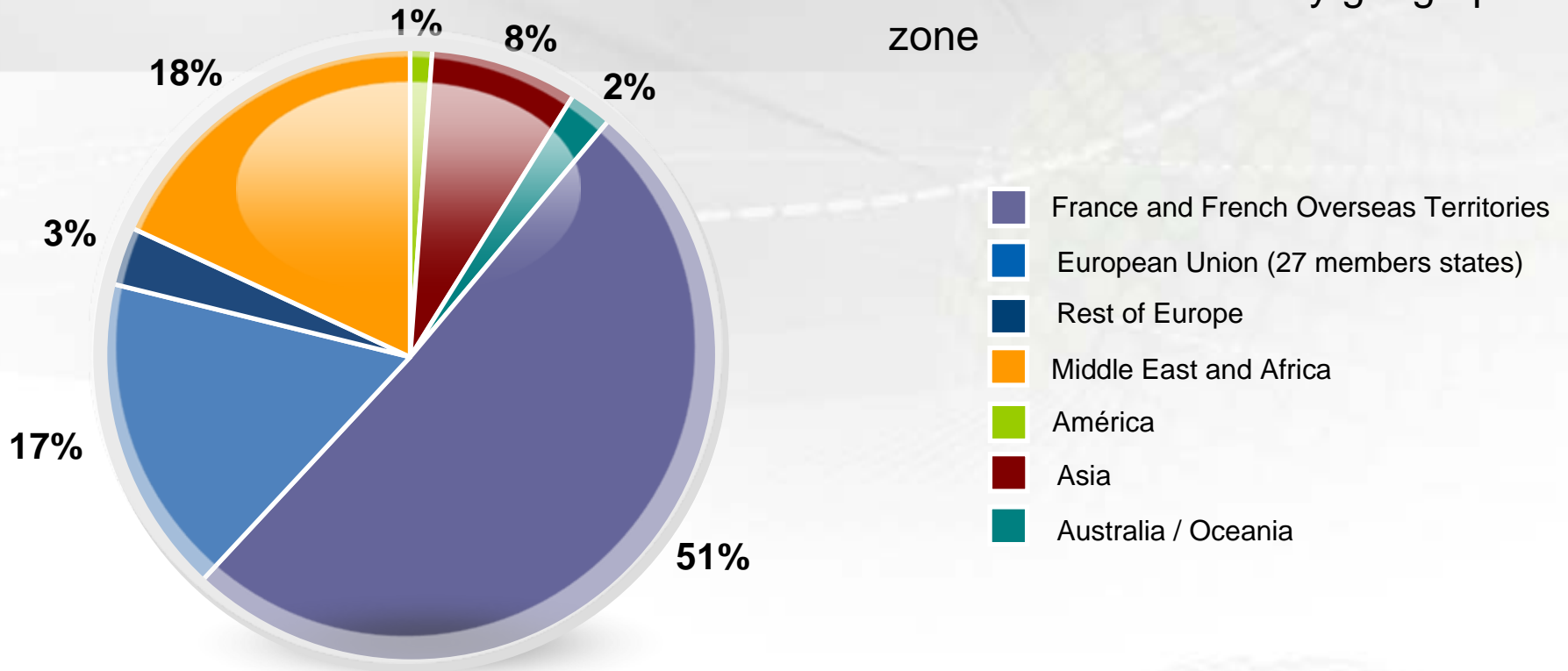
Profile : Keys figures 2010

Turnover 2010 breakdown by activity

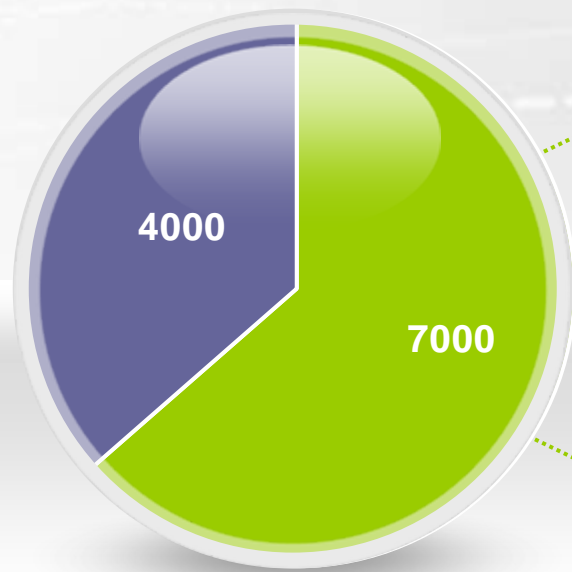


Profile : Keys figures 2010

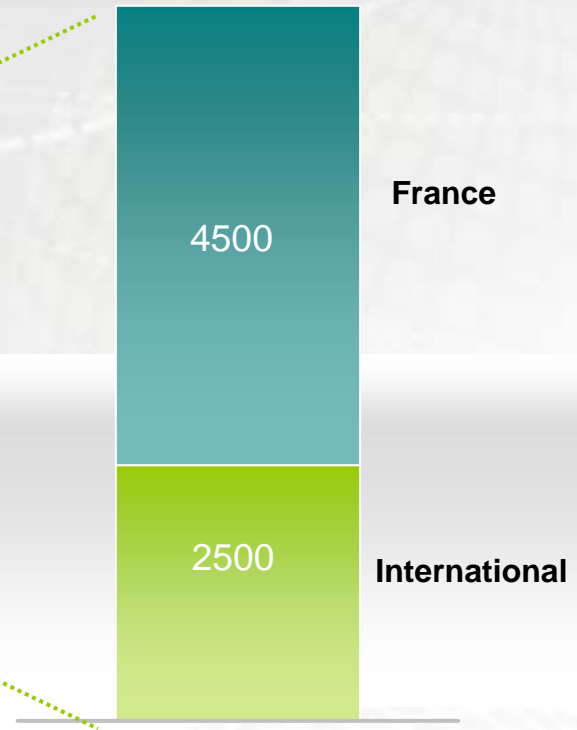
Turnover breakdown by geographical zone



Profile : Keys figures 2010



- Engineering division staff
- Airport and Road Operation companies staff



Profile : Egis' location

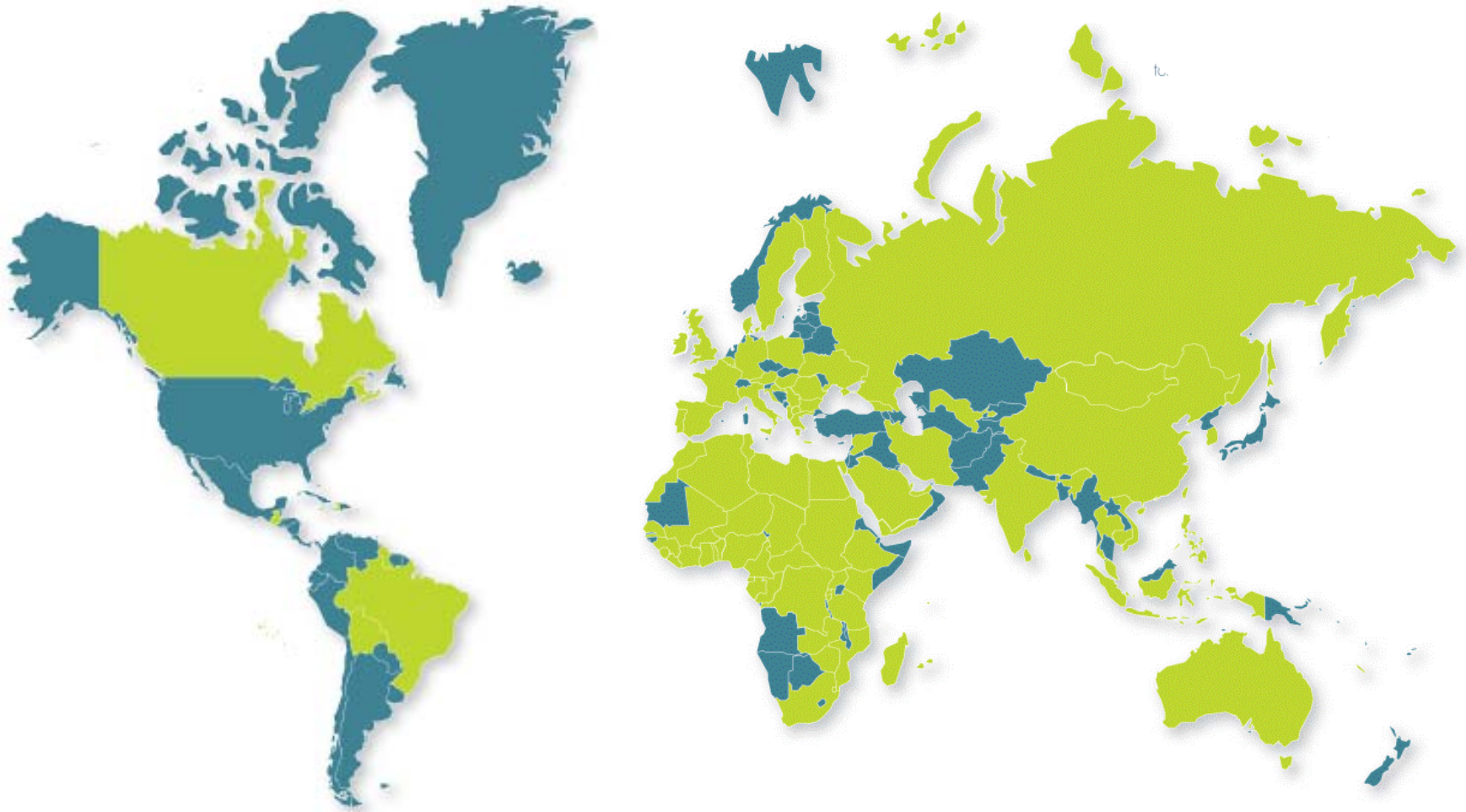
- ▶ A presence in over **100 countries**, includes : setting-up projects, offices of representation and stable establishments of the businesses Egis' companies.
- ▶ **8 international subsidiaries** situated in Spain, in Romania, in Poland, in India, in Cameroon, in Madagascar, in Algeria and in Bulgaria.

Egis – Iosis : a major group with great ambitions

In 2010,

- ▶ The new group has a workforce of approximately **11,000 employees**, including 7000 engineers, and projected revenue of over **€800 million**, of which **50%** is generated outside France in over **100 countries**.

Egis – Iosis around the world



 Egis – Iosis around the world



Businesses

Businesses

Consulting & Design

Engineering

Project Development & Turnkey systems

Operation

Roads Users Services

Businesses : Consulting & Design

- ▶ **In France** : programming, managing and supervising projects, strategy, organization, PPP, projects management.
- ▶ **+ Abroad** : consultancy for economic, local, institutional, rural development and training.

- ▶ In the infrastructures and systems for transportation, local and territorial development, water and the environment, construction, and civil nuclear in France and abroad.
 - ▶ Studies, planning, assistance to Owner, project management, impact assessments, works supervision...

- ▶ Concession and PPP Projects in road and airport infrastructures.
- ▶ Turnkey contractor for operating equipment.

Businesses : Operation

- ▶ Road and Airport Operation, in France and Abroad.
 - ▶ 1840 km of motorways in 14 countries
 - ▶ 1.5 million daily toll transactions bringing €1 m yearly revenue
 - ▶ At the end of 2009, Egis is involved in the operation of 7 airports around the world

Businesses : Road Users Services

- ▶ Easytrip Services, extending the concept of electronic toll collection to new advanced services (such as parking payment, traffic information...).
- ▶ 900,000 subscriptions to our electronic toll collection systems



Markets sectors and specialties

Roads

- ▶ Urban Road Networks
- ▶ Inter-Urban Roads, Motorways,
- ▶ Road Development Projects Financed by international Funding Institutions,
- ▶ Project Development and Public Private Partnerships,
- ▶

▶▶ [references](#)

Building

- ▶ office buildings, health complexes, cultural facilities, educational establishments, sports facilities, hotels, shopping centers, housing and public buildings.
- ▶ New constructions
- ▶ Restructuring and rehabilitation operations
- ▶ Operating-Caring
- ▶

Railway and Guided Transport

- ▶ Guided Transport,
- ▶ Underground Transport,
- ▶ Tramways and Guided Buses,
- ▶ New-build and Existing Line Upgrades,
- ▶

▶▶▶ [references](#)

Water

- ▶ Drinking Water Supply and Sewerage Systems,
- ▶ Flood Control,
- ▶ River and Canal Development,
- ▶ Coastal and Seafront Protection,
- ▶ Industrial Process Water,
- ▶ Water Transfer,
- ▶

▶▶▶ [references](#)

Airports & Aviation

- ▶ Air Traffic Management,
- ▶ Airports and Aircraft Operation,
- ▶ Engineering,
- ▶ Airport Operation,
- ▶

▶▶ [references](#)

Urban Development & Landscaping

- ▶ Urban Infrastructure and Urban Planning,
- ▶ Lighting,
- ▶ Landscaping,
- ▶ New Cities
- ▶ ...

▶▶ [references](#)

Ports & Inland Waterways

- ▶ Coastal Ecosystem studies,
- ▶ Harbours and Port Terminals design and sizing,
- ▶ Quays, Protective Dykes,
- ▶ Handling Equipments,
- ▶ ...

▶▶ [references](#)

Systems & Mobility

- ▶ Traffic Management,
- ▶ Intelligent Transport Systems,
- ▶ Transport Cost-saving,
- ▶ Urban and Interurban Transport,
- ▶ ...

Tunnel

- ▶ Geology
- ▶ Civil Engineering,
- ▶ Operating and Safety Equipments,
- ▶ Air Processing and Smoke Ejection,
- ▶

▶▶▶ [references](#)

Geotechnics

- ▶ Foundations, Retaining Structures, Civil Engineering,
- ▶ Earthworks and Geotechnics for Linear Infrastructures
- ▶ Materials Engineering and Laboratory Testing,
- ▶ Asset Management, Instrumentation, Pathology,
- ▶ ...

Structures

- ▶ All Spans,
- ▶ Exceptional Viaducts,
- ▶ Bridge Repare,
- ▶ Standard Bridges,
- ▶ ...

▶▶ [references](#)

The Environment

- ▶ Environmental Engineering,
- ▶ Ecology, Biodiversity,
- ▶ Hydro-ecology and Hydrogeology,
- ▶ Acoustics and Vibration
- ▶ Air Pollution and Health,
- ▶ Industrial Risks Appraisals,
- ▶ Polluted Sites and Soils
- ▶ ...

Mines & Energy

- ▶ Large Mining companies' infrastructures (ports, railways, road, airports, etc.)
- ▶ Electric Power Distribution
- ▶ Development of Renewable Energies,
- ▶ Design, justification or remodeling of industrial structures
- ▶ Electric Power transportation
- ▶ ...

▶▶ [references](#)

Civil engineering

- ▶ Major nuclear civil structures,
- ▶ Design, justification or remodeling of major high-rises
- ▶ Plants,
- ▶ Laboratories,
- ▶ Energy production plants,
- ▶ Seismic Studies,
- ▶ ...

[references](#)



➤ Contribute to a
sustainable future

Contribute to a sustainable future

▶ A strong commitment

- ▶ In 2009, Egis invested in preparatory work for the voluntary commitment agreement signed by the engineering profession*
- ▶ In 2010, Egis has joined the **Committee 21**, the first French multi-platform in sustainable development.
- ▶ In 2010, establishment of a Sustainable Development Steering Committee, involving external experts. The goal is to allow exchanges, discussions on trends related to sustainable land development.

*Ministry of Ecology, Energy, Sustainable Development and the Sea on February 12th 2010

Contribute to a sustainable future

► Egis provides sustainable development solutions for you everywhere

► Egis has now the capacity to offer around 40 high value-added operational sustainable development solutions



Contribute to a sustainable future

To answer :

- ▶ challenges against climate change
- ▶ Preserving biodiversity
- ▶ Sustainable mobility
- ▶ Urban transformations



Contribute to a sustainable future

► Tendem Empreinte[®] approach

► serves as monitoring and decision-aid tool for the project manager so that all the sustainable development targets can be met throughout a project's life cycle

► tracks the « sustainable development footprint » of an operation



► Policy of environmental responsibility

► After Toulouse in 2009, Egis has grouped all its Lyon-based offices together under one roof in a new High Environmental Quality (HEQ®) building that meets all the highest quality standards in terms of energy consumption, landscaping and quality of services (proximity to both the ring-road and the metro, solar panels, energy-saving lighting, etc.).



► Policy of environmental responsibility

- In September 2010, Egis received ISO 9001 certification.
- Two Egis companies were the first French infrastructure engineering companies to have obtained ISO 14001 certification (Environment)



Innovation, a strong value

Innovation, a strong value

- ▶ For many years, Egis has been implementing a genuine policy of innovation to respond to the increasingly diverse requirements and challenges of project owners and local and regional authorities.

Innovation, a strong value

- ▶ Egis operates in many countries and sectors and is therefore able to **transfer best practices** and offer its clients the benefits of its unique experience.
- ▶ Egis is involved in **entire project life cycle**, and offers its clients optimum innovations which safeguard sustainable development, and profitability.

▶ an internal approach based on progress

- ▶ **An annual technical and methodological investment budget**
- ▶ **An operating approach based on sharing experience and knowledge to enhance the responsiveness and productivity of employees**
- ▶ **Business-line "communities" to facilitate networking**
- ▶ **Organization every three years of an innovation competition open to all employees to promote and recognize their innovations.**
- ▶ **Continuous training corresponding to high investment in the company**

Innovation, a strong value

- ▶ A dynamic policy of partnerships
 - ▶ Egis is involved in more than six French competitiveness hubs, contributing to creation of jobs through innovation.
 - Egis is an active participant in several governing bodies of the **Advancity hub – Sustainable cities and urban eco-technologies** (executive vice-chairmanship, scientific board)
 - And in **Mov'eo** (making automobiles & public transport safe for people and their environment).

Innovation, a strong value

- ▶ A dynamic policy of partnerships
 - ▶ Egis has been an active participant in French and European research partnership programs with the big clients, builders and research laboratories.
 - ▶ Today, the Group is participating in over 10 such programs. They include:
 - ▶ **ASPECT-2050** (Systemic approach for Territorial Climate Energy Plans-PCET)
 - ▶ **PUMAS** (Urban Platform for Advanced and Sustainable Mobility)

Key innovation

▶ An innovative pylon strengthening

- ▶ An innovative pylon strengthening technic through soil treatment to cater for extreme weather-related events.
- ▶ Patented solution.
- ▶ Partnership with RTE



Key innovation

▶ LEA, The first peri-urban Light Rail Transit (LRT) in France

- ▶ Designed by Egis in close collaboration with Sytral
- ▶ It provides two transport services, LRT and an express rail link, that share the same infrastructure and reuse a former railway line.
- ▶ This is an exemplary project for two reasons: the technical challenges involved and the possibilities of express services it opens up.



Key innovation

▶ EasyTrip

- ▶ Developed by Egis, combines the multi-channel distribution of electronic toll tags in several countries worldwide.
- ▶ EasyTrip offers outsourced services for Electronic Toll and Fee Collection Account Management to car park owners and toll road concessionaires
- ▶ EasyTrip offers to its private and business clients a full range of road services: tolling, car park payments and fleet management.

Key innovation

- ▶ Eco-reefs to preserve and increase marine biodiversity
 - ▶ Underwater structures designed to enhance the ecological dimension of port, coastline or offshore installations through an eco-design approach (registered patents and models).



Key innovation

▶ Unibridge®

- ▶ was designed by Egis in partnership with Matière company and uses a simple modular box-girder system that is very fast and easy to install. It is highly successful with over 500 bridges installed across the world. It received a national award from the Contractors

Key innovation

▶ GeRici

- ▶ Since 2005, Egis and its partners (SANEF, ASF, LCPC, Météo-France) have been working actively on the impact of climate change on infrastructure vulnerability.
- ▶ This research has resulted in an innovative approach and in a concrete risk management tool-kit which works in simulation and alert mode.

► Propice

- Reducing congestion and nuisances for users during large transportation infrastructure renovation projects under very-heavy traffic is a growing and complex challenge.
- A consortium of major players which includes world leaders (Bouygues, Colas, ASF, LCPC and CSTB) has worked together with Egis to tackle this complicated challenge.





Egis'award

Egis' award

- ▶ Parc des Rives de La Thur (Thur Embankment Park - Haut-Rhin: Four prizes awarded to this project for which Egis was main contractor
- ▶ Marianne Gold 2009.
- ▶ the price of urban planning for the 2009 Monitor cities of 10 000 to 50 000 inhabitants
- ▶ first prize in the Trophies for Local Public Enterprises (EPL) in October 2008
- ▶ the Victoire d'Argent at the Victoires du Paysage in December 2008



► The Konin Bridge, second prize in the 2008 Budowa Roku competition

This national competition every year rewards the most innovative projects and the most high-quality works. This year, 67 worksites competed in the competition.



► The eco-district Clémentière Granville (50) designated Grand Prize Winner of National ecodistrict

Water is really the main thrust of this project.

A major effort to reduce impermeable surfaces has been provided, water treatment in public places will be made by valleys, roof terraces vegetated with hedgerows and biological corridors.

This project is thus demonstrated that it is possible to accommodate 1 500 new residents in the continuity of the existing hedgerow and a seascape on 34.4 acres.



► 3D Weave and Egis receive an Imagina 2010 award

"Landscape & Urban and Regional Development" category

The 3D film "Abidjan 2010-2035" produced by Egis Avia and the 3D Weave agency was awarded an Imagina 2010 prize as "Best Promotional and Communication Film".





▶ References

Construction of A4 motorway, Szarów-Krzyż section

South of Poland



The construction involves 57 km of motorway, 4 junctions and 66 civil engineering structures. This project constitutes a new section of A4 motorway on the south of Poland, the considerable part of which has been supervised by Egis companies since 1995.

Client: GDDKiA

Partners: DHV, MGPP

A2 motorway, Konin - Stryków / Stryków - Konotopa sections



Konin – Stryków section : supervision of works until the handing over for operation and during the defect liability period.

Stryków – Konotopa section : supervision of the design and the construction works.

Client: GDDKiA

Partners: DHV, Arcadis

Construction of A1 motorway Czerniewice-Kowal section

Bydgoszcz
central north of Poland



Supervision of the construction of A1 Torun – Stryków motorway, Czerniewice – Kowal section. The project has been divided into two works lots, the first one covers two sections of the total length of 35 km and the other one – one section 29 km long.

Client: GDDKiA

Road network management assistance contract



Strengthening the capacity of the Road Fund in terms of road sector planning and management. At the end of this project, the Road Fund will set up a road works planning unit in order to improve the network's condition and capacity.

Client: Ministry of Finance

Partners: TARAQQIYOT KONSALT Limited

Expressway project between Wuding and Kunming

Southern China

This 64km-long expressway crosses very mountainous terrain and includes 91 bridges, 10 tunnels and 4 interchanges. The project is divided into three sections: project management assistance; designs and works supervision; and institutional strengthening and training.

Client: Yunnan Wukun Expressway Company Ltd.

Grenoble LRT: Line E



The 5th line of the Grenoble LrT (10.5 km, 16 stations) will serve the north-west of the town in 29 minutes.

Egis is design consultant and project manager and is providing safety cases for the transport system. Commissioning planned for 2014.

Client: SMTC

Partners: Ingerop ; Gautier & Conquet

Southern Europe Atlantic High Speed line

Tours - Bordeaux



Egis is a partner within the engineering consortium LISEA, being considered by RFF for the concession of the 300 km of High Speed line between Tours and Bordeaux. The line represents the largest transport infrastructure project under concession in Europe. Commissioning is planned for 2016.

Client: RFF - Owner of French Railway network

Partners: Vinci concession, CDC, AXA Private Equity

2 lines of Light Rail Transport in Nice

Alpes maritimes



Project management: preliminary studies, safety records, procurement, directing work, assistance for the acquisition of rolling stock. Assistance with commissioning, monitoring the guarantee of perfect completion.

Client: Urban Community Nice Côte d'Azur

Partners: ACOUSTB, Pierre Schall et Stoa, Ingerop

High Speed Line in China: Wuhan-Guangzhou



Technical control for section 3 of the 922 km line between Wuhan (near Shanghai) and Guangzhou (Yunnan) in the South of China. Two new stations, 183 bridges and 66 tunnels have been built.

Since December 2009 Wuhan and Guangzhou are 2 hours and 58 minutes away at a commercial speed of 350 km/h. Egis was the only French company involved in the construction of the line.

Project management of High Speed Line Kenitra – Tangiers



Project management of the most important part of the Moroccan high speed line. Egis works on the North part of the 87 km long high speed line from Kenitra. This section shows some particular environmental land topography's constraints.

Client: The Moroccan National Office of Railway Network

Partner: INGEMA

Macau automatic metro

Macau



Design consultant for the 1st line of the Macau automatic metro, 20 km of which is totally elevated between the frontier post, the town of Zuhai and the international airport of Macau.

The line will serve the ferry terminal and Macau's large hotels and casinos. In the future, 3 lines are planned. At the beginning of 2010, the design phase was finished and the procurement phase is underway.

Commissioning in mid-2014.

2 new metro lines in Chennai



Egis, as lead consultant of the EMBYE* consortium is managing the design and construction of the 2 new metro lines (45 km) in Chennai. 36 stations are planned (20 underground, 16 above ground), 24 km of tunnel, 21 km of viaduct and large capacity rolling stock equipped with air conditioning. Commissioning will be in two phases: early 2012 for the part above ground and early of 2015 for the underground part.

Partners: AECOM, BARSYL et YEC

Metro line in Calcutta

Calcutta



The consortium AECOM, Egis, CES, YEC, LHPA is managing the construction of the 2nd metro line in Calcutta. The line is to stretch 14 km from East to West, partly at grade to link the two main stations and the banks of the river Hooghly. The new town will be connected to the old town. Deeper than line 1, it will be dug with a tunnel boring machine under the river. Partial commissioning in 2010 and for the whole line in 2014.

Partners: AECOM, CES, YEC, LHPA

Larnaka and Pafos international airports



This contract is a 25 years concession agreement for the design, construction and operation of new terminal buildings in Larnaka and Pafos airports in Cyprus. Egis, in partnership with Bouygues Bâtiment International, supplied all the aeronautical equipment for the two terminals under a turnkey contract

Client: Cypriot government

Partenaires: Bouygues Bâtiment International, YVRAS, Aer Rianta, Nice Airport and their Cypriot partners, CTC, Iacovou, Chapo and Hellenic Mining

Framework agreement for European Aviation Safety Agency



Framework agreement for provision of consulting services to beneficiary countries on aviation safety, environment protection and international standards issues

Client: EASA

Partners: Bureau Veritas, SGI Aviation Services, Lufthansa Consulting, CAA International

New Doha International Airport: project audit- phase 2



Audit focusing on the quality of the design and ongoing works, the project management by the design firm (Bechtel) and its subcontractors, the contractual and commercial management of works and airport equipment contracts, as well as the risk analysis on potential mistakes in the project.

Client: State Audit Bureau of Qatar

Development of Isère River



Project Management for the development of the Isère River, phases 2 and 3, upstream from Grenoble.

Client: SYMBHI Grenoble

Partner: Hydrétudes

Drinking water supply for the city of Tamanrasset

Tamanrasset, Algerian desert



Supervising the construction of 6 pumping stations (100,000m³/day) to supply water to Tamanrasset.

Client: “Algérienne des Eaux - ADE”
(Algerian Water Company)

Partners: Cabinet Merlin (France),
Progress (Algeria)

Dam and management of the catchment basin on the Tana River



The objective of this feasibility study is to build a major multipurpose dam on the Tana River. The project also includes establishing a management and protection plan for the catchment basin.

Client: Ministry of Regional Development Authorities

Partners: CAS Consultants, ISL Ingénierie and “Société du Canal de Provence”



Sanitation systems in the cities of Bhubaneswar and Cuttack

State of Orissa

The objective is to assist the “Project Implementation Unit” in managing the entire project: preparation of the detailed engineering designs for the sewerage system in part of the city of Bhubaneswar, and for the sewerage and drainage system in the entire city of Cuttack.

Client: Orissa Water Supply and Sewerage Board (OWSSB)

Partners: Tokyo Engineering Consultants, Tetrattech



New port of Zadar

Zadar County
Croatia



Assistance to the “Project Implementation Unit”, established within the Port of Zadar Authority, in the overall management and coordination of the project.

Client: IGH - Civil Engineering Institute of Croatia

Public facilities of the Andromède integrated development zone

Toulouse



Project management of the public facilities of the Andromède integrated development zone, Toulouse, France.

Client: Urban community of Toulouse

Partners: TGT et associés

Eco-district Clémentière in Granville

Manche



Creation of an eco-district on 34.4 ha : 750 housing units of which over 20% social housing, shop and local services.

This project is designated Grand Prize Winner of National ecodistrict

Client: City of Granville

Urban renewal district in Toulouse Empalot

Toulouse
Midi-Pyrénées

The objective of this study is to define a scheme to short (2013) and long term (2025), and propose recommendations urban landscape and environment through the design of private and public construction.

Client: Urban community of
Toulouse

Partners: Germe & JAM, Alphaville,
PTV, Marc PONS



Urban Development of the Avenue de la Mer

Montpellier
Hérault



The project is to redesignate an axis in urban public space structuring, integrating the new tram line No. 3 and for urban renewal.

Client: SERM – Montpellier
Agglomération

Partners: Architecture Studio,
Imagine Architecte, Carrés Vert

National Irish speed cameras service

This contract, for a minimum period of 5 years, includes the financing, design, installation and operation of the project. It covers the full range of activities enabling to operate and manage mobile speed cameras in vans; from the provision of vehicles and staff necessary to carry out speed control on Irish roads up to data management and back office operations. So, it is a public-private partnership project on a global turnkey service model.

Client : Irish Department of Justice

Partners : Spectra, Redflex

A4 Wroclaw-Katowice motorway



The A4 contract consists in designing, supplying and installing: 14 tolling stations with a total of 68 lanes and associated toll central computer, 3 maintenance centres, 162 road emergency phone boxes and associated call central computer, 162 km of optic fibre with associated telecommunication equipment and network management system, 2 traffic statistical stations, 1 Weight In Motion station and associated traffic central computer.

Client: GDDKiA

Partner: Strabag Sp z.o.o



M25 motorway

London



30-year concession (DBFO - Design Build Finance Operate). During that time Connect Plus will be responsible for widening key sections of the M25 and providing operating and maintenance services and lifecycle replacement on the whole road, which includes strategic road links in and out of London including 4 tunnels and a 2.8 km bridge over the Thames at Dartford, and 200km of motorways linking to the M25. The operating and maintenance activities of this motorway carrying a daily traffic of 200 000 vehicles, include also the Dartford tolling operations.

Client: Highways Agency

Partners: Balfour Beatty, Skanska, Atkins



Elaboration of the strategy of ITS systems development in Poland



The project is composed of three stages :
analysis of the current situation regarding the ITS architecture in the country, proposal of the strategy for development and implementation of the systems in Poland as well as legal advice in this field.

Client: Ministry of Infrastructure and the Polish Directorate of Roads (GDDKIA)

Partner: IBI Group (UK) Ltd



Bordeaux lift bridge



Launch of the final designs for Launch of the the Bordeaux lift bridge.
2,600 tons of concrete and 53 metres of lift in less than 10 minutes !

Client: Urban community of Bordeaux

Partners: VINCI/GTM



Assessment study for 25 tunnels in the city of Brussels

Brussels



Assessment study for 25 tunnels in the city of Brussels



Connection EHV France-Spain – Assistance to the Owner

INELFE (INterconnexion ELectrique France-Espagne) on behalf of RTE (Réseau de Transport d'Electricité) and REE (Red Eléctrica de España) - responsible for running the French and Spanish electricity transmission system between Perpignan and Figueras- entrusted Egis Route with the assistance to the owner of its major infrastructure project connecting France to Spain, in the Eastern part of the Pyrénées.

This connection of 65km will skirt the existing infrastructures (highway and HSLR) on each side of the border.

Client : INELFE

EPR Nuclear Power Plant

Basse-Normandie
China
Finland

Design concept for the nuclear island
(Flamanville)

Design of the civil engineering works for
the first two of six nuclear reactor units
(Taishan)

Design of civil engineering works,
including the construction plans for the
diesel engine buildings.



Renault Automobile Plant in Tangiers (Morocco)

Tangiers
Morocco

The plant is to manufacture 400,000 automobiles and lightweight utility vehicles per year. Located on a 300 hectare site, the plant covers a floor area of 475 000m².

Architectural and engineering design, project management, contract management.



Megajoule Laser Plant, Bordeaux

Le Barp
Gironde

Experiments hall, laser building and annex buildings.

Construction scheduling and coordination, construction management assistance and final coordination.



King Abdulaziz International Airport, Jeddah (Saudi Arabia)

Jeddah
Saudi Arabia

Designed to handle 30 million passengers annually, the airport project represents over 1 million square meters of floor area.

Concept and Schematic Design phase for site utilities (power plants and external networks)



Tour Generali

Construction of the first green tower ever in France, over 300m high, and boasting the employ of leading-edge electrical, HVAC and plumbing technologies.

La Défense (92)



The Paris Philharmonic

Paris

Concert hall seating 2400 located in the 19th district of Paris.
General engineering design and design of the MEP trades.



First Tower at La Défense

Paris Business District

This 230 m high tower is the biggest restructuring operation in Europe. Complete redesign of the tower structure and MEP installations.



Regional development and p r o j e c t s

EGIS Romania

TEM / HEEP Area V
2011 Annual Meeting

- ▶ EGIS Romania organization
- ▶ Activity fields
- ▶ Involvement in infrastructure projects
- ▶ Objectives

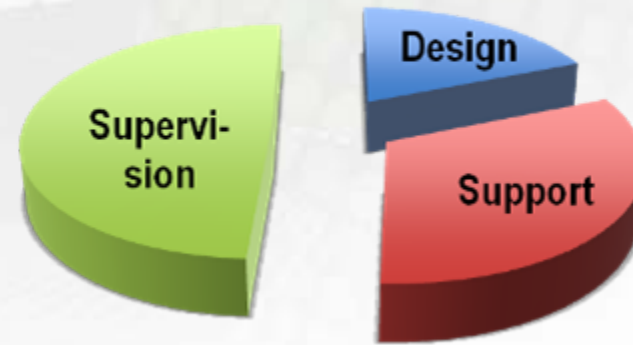
► Organization chart



► Organization chart

Distribution of resources

- Design
- Supervision
- Support
 - Management
 - HR
 - Tender preparation
 - Financial



Egis Romania's activity mainly covers the roads, highways and motorways transport sector, on which market we are already known as quality services provider. In Transport Infrastructure field, Egis Romania, based on the international experience, provides services for:

► **Roads, highways and motorways**

- Design – even 3D road modeling
- On site technical assistance during construction
- Supervision of construction works
- Short term expertises
- Design verification
- Feasibility studies and other studies
- Operation and maintenance

► **Railway/ subway**

Egis Rail is authorized by the Romanian Rail Authority to provide "services for design, consultancy and technical assistance for rail and subway works".

► **Airports**

Egis Avia is in progress to obtain the authorization from the Romanian Civil Aviation Authority.

► Water/ Waste Water

Based on the international experience, Egis Romania provides high quality services in the water/ waste water field, for:

- water/ waste water networks
- support and project management for local water authorities
- drinking water supply
- waste water treatment plant

► Environment

Based on the international experience, Egis Romania provides high quality services in the environment field, for:

- implementation of practical solutions in every implemented project
- elaboration of the environmental impact assessment studies
- industrial projects
- solid waste - decontamination

► **Civil constructions**

Based on the international experience of Egis Group, Egis Romania provides high quality services in the civil constructions field, such as:

- Hospital buildings - architecture, process optimization, defining the medical equipments
- Office and commercial buildings
- Tourist and leisure resorts

► **Industrial constructions**

- Plants
- Factories
- Farms

► **Energy**

- Renewable energy (solar, wind)
- Energy efficiency

► Infrastructure Projects

- Brasov-Bors Motorway (Transilvania Motorway)
- Arad-Timisoara Motorway (Corridor IV)
- Cernavoda-Medgidia Motorway (Corridor IV)
- DN6 rehabilitation: Timisoara –Lugoj
- DN6: Bypass Arad, Bypass Timisoara & Bypass Craiova
- DN 66 rehabilitation: Petrosani – Simeria

Brasov - Targu Mures - Cluj - Oradea -Bors Motorway (Transilvania Motorway)

Employer: Ministry of Transportation;
C.N.A.D.N.R.

Contractor: J.V. Bechtel /Enka

Egis role: Supervision of works and
design verification



Total length: 415 km
Finished: 52,5 km
In progress: 64 km



EGIS Projects



Arad-Timisoara Motorway

(Corridor IV Corridor IV, part of A1 Motorway)

Employer: Ministry of Transportation;
C.N.A.D.N.R.

Contractor: JV FCC Construcción /
ASTALDI SpA

Total length: 32.25 km
Status of works: In progress

Egis role: Design and supervision of
works



Cernavoda-Medgidia Motorway (Corridor IV, part of A2 Motorway)

Employer: Ministry of Transportation;
C.N.A.D.N.R.

Contractor: Colas S.A.

Egis role: Design and site technical
assistance



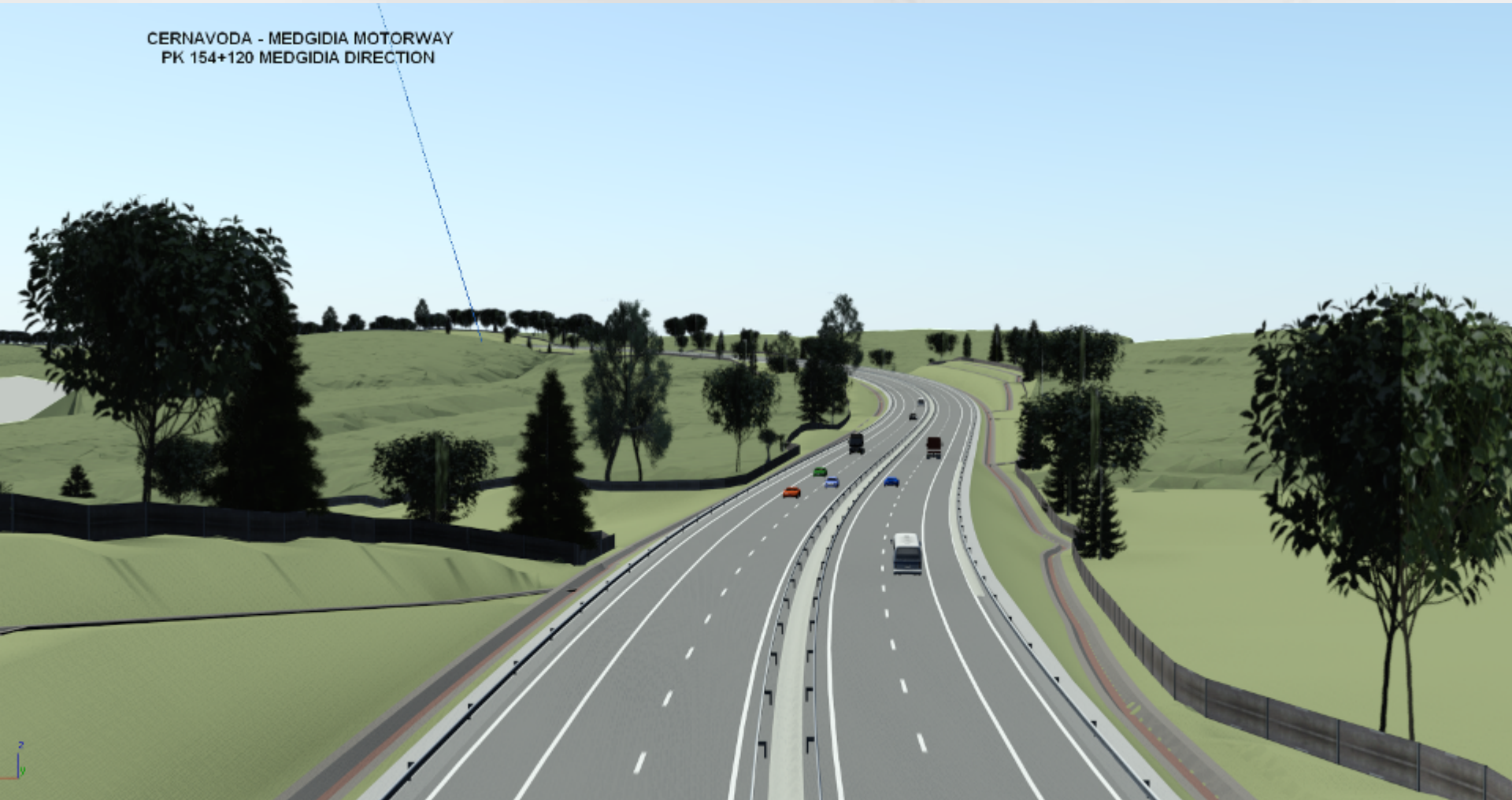
Total length: 22 km
Status of works: Interrupted



EGIS Projects



CERNAVODA - MEDGIDIA MOTORWAY
PK 154+120 MEDGIDIA DIRECTION



DN6 rehabilitation: Timisoara –Lugoj

Employer: Ministry of Transportation;
C.N.A.D.N.R.

Contractor: JV Efklidis / Konoike / Aegek and FCC
Construccion SA

Egis role: Supervision of works
Total length: 52 ,2km

DN 66 rehabilitation: Petrosani – Simeria

Employer: Ministry of Transportation;
C.N.A.D.N.R.

Contractors: Astaldi SpA
Romstrade – Vectra Service
CCCF SA

Egis role: Supervision of works
Total length: 79,52 km



Bypass Timisoara

Employer: Ministry of Transportation;
C.N.A.D.N.R.

Contractor: JV Efkolidis / Konoike / Aegek
and ROMSTRADE / VECTRA SERVICE

Egis role: Supervision of works
Total length: 12,6 km



Bypass Arad

Employer: Ministry of Transportation;
C.N.A.D.N.R.

Contractor: JV FCC Construcción SA /PORR

Egis role: Supervision of works
Total length: 12 km

Bypass Craiova

Employer: Ministry of Transportation;
C.N.A.D.N.R.

Contractor: JV Astaldi SpA / Italstrade SpA

Egis role: Supervision of works
Total length: 14,1 km

Egis Romania strategic goals to follow:

▶ Client satisfaction;

- ▶ Our objective is to ensure the satisfaction of our clients in particular regarding by:
 - Auto-control and control to ensure quality of the deliverables;
 - Proactive, ensure deliverables in time;
 - Traceability of our actions, in particular for supervision services

▶ Egis' notoriety;

▶ Efficiency of intra-group cooperation;

- ▶ Involve when adequate, the expertise of the specialist companies getting opportunity of advice, innovative solutions or external control.

▶ Sustainable development;



Thank you for your attention!