Prof. Asterios LIOLOS
Board of Directors
EGNATIA ODOS S.A.
Thessaloniki-Thermi, Greece
and
Democritus-University of Thrace
Xanthi, Greece
Pan European Corridors
ΜΕΙΩΣΗ ΧΡΟΝΟΥ ΑΝΑ ΤΟΜΕΑ
The Egnatia Motorway is served by 9 vertical axes. Five of these feeder routes constitute an extension of the Pan-European Corridors.

The Vertical Axes are:

- Ioannina – Kakavia (Albania – Trans-European Axis)
- Siatista – Krystallopigi (Albania – Trans-European Axis)
- Kozani – Florina – Niki (FYROM – Pan-European Corridor X)
- Thessaloniki – Evzonoi (FYROM – Pan-European Corridor X)
- Thessaloniki – Serres – Promachonas (Bulgaria – Pan-European Corridor IV)
- Drama – Nevrokipi – Exochi (Bulgaria)
- Xanthi – Echinos (Bulgaria)
- Komotini – Nymfaia (Bulgaria – Pan-European Corridor IX)
- Ardanio – Ormenio (Bulgaria – Pan-European Corridor IX)
<table>
<thead>
<tr>
<th>#</th>
<th>Axe</th>
<th>Length (Km)</th>
<th>Country</th>
<th>Pan European Corridor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ioannina - Kakavia</td>
<td>62</td>
<td>Albania</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Siatista - Kristallopigi</td>
<td>82</td>
<td>Albania</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Kozani - Florina - Niki</td>
<td>98</td>
<td>FYROM</td>
<td>X</td>
</tr>
<tr>
<td>4</td>
<td>Thessaloniki - Evzoni</td>
<td>78</td>
<td>FYROM</td>
<td>X</td>
</tr>
<tr>
<td>5</td>
<td>Thessalonki - Serres - Promahonas</td>
<td>104</td>
<td>Bulgaria</td>
<td>IV</td>
</tr>
<tr>
<td>6</td>
<td>Drama - Nevrokopi - Exohi</td>
<td>54</td>
<td>Bulgaria</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Xanthi - Ehinos</td>
<td>50</td>
<td>Bulgaria</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Komotini - Nimfaia</td>
<td>25</td>
<td>Bulgaria</td>
<td>IX</td>
</tr>
<tr>
<td>9</td>
<td>Ardanio - Ormenio</td>
<td>130</td>
<td>Bulgaria</td>
<td>IX</td>
</tr>
</tbody>
</table>
1. Constructed 45,30 km.
2. Under construction 5,70 km
3. Under design 30,00 km
1. Constructed 22.0 km.
2. Under tender 7.5 km.
3. Under design 66.5 km.

VERTICAL AXIS
THESSALONIKI – SERRES – PROMACHON
96km
1. Constructed 95 km.
2. Under construction 29 km.
Transport Corridor Thessaloniki – Istanbul

Road Network Total Length: 586 km

Greek Part: 330 km

Turkish Part: 256 km

Cross section: Dual / width 22-24 m
Transport Corridor Thessaloniki – Istanbul
PROJECT IDENTITY

- **AXIS LENGTH:** 670 km
  (From Igoumenitsa through to Kipi)

- **TECHNICAL FEATURES:**
  Dual carriageway with a central reserve.
  Two traffic lanes per carriageway plus a hard shoulder.

- **STANDARD CROSSSECTION:** 24.5 m

- **MAIN ENTRANCE–EXIT JUNCTIONS:** 50

- **OVERBRIDGES / UNDERPASSES:** 353

- **SERVICE ROADS** 720 km

- **TOTAL BRIDGE LENGTH** 2x40 km

- **TOTAL TUNNEL LENGTH** 2x50 km
TECHNICAL CHARACTERISTICS

- TUNNELS
- BRIDGES
### Technical Characteristics - TUNNELS

#### LONG TUNNELS ON THE EGNATIA MOTORWAY

<table>
<thead>
<tr>
<th>Region</th>
<th>Tunnel Name</th>
<th>Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epirus</td>
<td>Dodoni</td>
<td>3,350</td>
</tr>
<tr>
<td>Epirus</td>
<td>Driskos</td>
<td>4,590</td>
</tr>
<tr>
<td>Epirus</td>
<td>T8</td>
<td>2,635</td>
</tr>
<tr>
<td>Epirus</td>
<td>Krimnos</td>
<td>1,080</td>
</tr>
<tr>
<td>Epirus</td>
<td>Neo Anilio</td>
<td>2,135</td>
</tr>
<tr>
<td>Epirus</td>
<td>Metsovo</td>
<td>3,550</td>
</tr>
<tr>
<td>Thessaly</td>
<td>Panagia</td>
<td>2,700</td>
</tr>
<tr>
<td>Western Macedonia</td>
<td>Syrto</td>
<td>1,500</td>
</tr>
<tr>
<td>Western Macedonia</td>
<td>Koiloma</td>
<td>1,080</td>
</tr>
<tr>
<td>Central Macedonia</td>
<td>S10</td>
<td>2,240</td>
</tr>
<tr>
<td>Central Macedonia</td>
<td>Paggai</td>
<td>1,100</td>
</tr>
</tbody>
</table>
### Technical Characteristics - BRIDGES

<table>
<thead>
<tr>
<th>Region</th>
<th>Structure Name</th>
<th>Carriageway length/up to 6m span</th>
<th>Height (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epirus</td>
<td>Aracthos</td>
<td>1.000/142</td>
<td>80</td>
</tr>
<tr>
<td>Thrace</td>
<td>Nestos</td>
<td>450/40</td>
<td>10</td>
</tr>
<tr>
<td>Macedonia</td>
<td>Greveniotikos</td>
<td>920/100</td>
<td>40</td>
</tr>
<tr>
<td>Epirus</td>
<td>Krystallopigi</td>
<td>850/55</td>
<td>30</td>
</tr>
<tr>
<td>Epirus</td>
<td>Metsovitikos</td>
<td>540/235</td>
<td>100</td>
</tr>
<tr>
<td>Epirus</td>
<td>Votonoski</td>
<td>490/230</td>
<td>53</td>
</tr>
<tr>
<td>Epirus</td>
<td>Megalorema</td>
<td>480/45</td>
<td>28</td>
</tr>
<tr>
<td>Macedonia</td>
<td>G12 (section Polymylos-Lefkopetra)</td>
<td>465/110</td>
<td>90</td>
</tr>
<tr>
<td>Thrace</td>
<td>Lissos</td>
<td>450/45</td>
<td>15</td>
</tr>
<tr>
<td>Epirus</td>
<td>Mesovouni</td>
<td>260/100</td>
<td>30</td>
</tr>
</tbody>
</table>
EPIRUS: VOTONOSI BRIDGE
### Vertical Axis

**Siatista – Kristallopigi / Ieropigi**

<table>
<thead>
<tr>
<th>Status</th>
<th>Length (km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open to traffic</td>
<td>22</td>
</tr>
<tr>
<td>Under construction</td>
<td>29</td>
</tr>
<tr>
<td>Old section – Nat. Road</td>
<td>29</td>
</tr>
<tr>
<td>(Koromilia-Kristallopigi)</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>80</strong></td>
</tr>
<tr>
<td>Under Design</td>
<td></td>
</tr>
<tr>
<td>New alignment – Motorway</td>
<td>20</td>
</tr>
<tr>
<td>(Koromilia – Ieropigi – CSF IV)</td>
<td></td>
</tr>
</tbody>
</table>

**Map Image:**
- **Legend**:
  - Motorway: Constructed
  - Motorway: Under Construction
  - Motorway: In the Stage of Design
  - Motorway: To Be Tendered
  - National Road: Constructed
  - National Road: Scheduled

**Scale:** 1:150,000

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**EGNATIA OΔΟΣ A.E.**
• Open to traffic 15.0 km
• Under construction 81.0 km
Vertical Axis
Ardanio – Ormenio 124km

- Open to traffic
  - Ministry 14km
  - EOAE 37km
  51 km

- Under construction
  33 km

- Old section – Nat. Road
  To be upgraded – 4th CSF
  39 km
PROJECT FUNDING

Period 1994-1999
1415 M€
(VAT not included)
- ERDF 535
- GR STATE 565
- CF 315

Period 2000-2006
3225 M€
(VAT not included)
- CF 492
- ERDF 915
- TEN 33
- GR STATE 1765

TOTAL: 4,640 M€
(VAT not included)
- EIB Loans 1,950
- EU 2,350
- EU 2,290
COST ANALYSIS

TOTAL COST: 5.760 M€ (without VAT) / 6.770 M€ (VAT included)
### Project Status – Cost

**Egnatia Motorway**

<table>
<thead>
<tr>
<th>Sections constructed during previous periods before 1994</th>
<th>Length (Kms)</th>
<th>Total Cost (M€ VAT incl.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

#### PROJECTS AFTER 1997

Egnatia Odos S.A. responsibility (CSF II & III)

- Completed and **opened to traffic** (October 2006) 446 2.880
- Under construction (to be open to traffic during 2006) 34 3.020
- Other sections under construction 165

**TOTAL AXIS**

<table>
<thead>
<tr>
<th>Length (Kms)</th>
<th>Total Cost (M€ VAT incl.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>670</td>
<td>5.900</td>
</tr>
</tbody>
</table>
## Project Status – Cost

### Vertical Axes

<table>
<thead>
<tr>
<th>Sections constructed during previous periods before 1994</th>
<th>Length (Kms)</th>
<th>Total Cost (M€ (VAT incl.))</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Open to traffic</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td><strong>PROJECTS AFTER 1997</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Egnatia Odos S.A. responsibility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Completed and <strong>opened to traffic</strong> (October 2006)</td>
<td>64</td>
<td>195</td>
</tr>
<tr>
<td>• Sections <strong>under construction</strong></td>
<td>143</td>
<td>465</td>
</tr>
<tr>
<td>• <strong>Under design</strong> existing national road to be upgraded (CSF IV projects)</td>
<td>69</td>
<td>150</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>300</td>
<td>810</td>
</tr>
</tbody>
</table>
Company Objectives

- to **Design**, **Manage**, **Supervise**, **Construct**, **Maintain**, **Organize**, **Equip** and **Operate** the Egnatia Motorway, the road network generally connecting or servicing, directly or indirectly, the above axis, as well as other road works in Greece or abroad.
- to **Award**, in part or as a whole, to third parties, the design, construction, expansion of the axis or sections of the axis through concession, in compliance with the standing provisions, as well as to **supervise and monitor the execution** of associated contracts and to **check respective designs**.
- to undertake the **execution of other projects** after the issuing of the Ministerial Decision.
- To prepare **recommendations and advise** on issues related to all of the above.
Running Projects

- Egnatia Odos Motorway
- Vertical Axis to Greek borders
- Upgrading of Junctions on the Ring Road of Thessaloniki
- Upgrading National Road to Chalkidiki Prefecture
- Upgrading Roads Network of many Greek Islands
- Consultants to the Ministry for PPP’s Projects
- Technical Secretariat of Thessaloniki – Instaboul road connection
- The New Bridge at Greek – Turkish Borders
- Technical Consultant of Corridor X for Serbian sections (Feasibility Studies, Cost Analysis)
- Technical Secretariat of Black Sea Ring Highway
COMPANY STRUCTURE

- Managed by a 9-member BoD and a 5-member Managing Committee

- With the participation of External Consultants:
  - Project Manager

- Personnel: 283 employees
  - 65% engineers
  - 35% administrative staff
AUDITS

- External Audits
  - E.U funding bodies
  - Public Sector bodies
  - Private Sector bodies authorized by the Greek State

- Internal audits
  - Through the quality management systems
  - Through internal auditors
PROJECT MONITORING & MODERN PROJECT MANAGEMENT SYSTEMS

Project Monitoring Information Systems

1. Electronic Management System for Documents and Designs (Primavera Expedition)
2. System for Cost Control & Contract Management (Primavera Expedition)
3. Project Planning (Primavera Project Planner)
4. Integrated Project Information System (PIS)
5. Geographical Information System (GIS)
PROJECT MONITORING & MODERN PROJECT MANAGEMENT SYSTEMS

- Monitoring of Community Financing Programmes
  - Projects Bulletins
  - Funding Flow
  - Proposals for the MEPPW Investment Programme
  - Information to Managing Authorities
  - Information to the European Investment Bank
OPERATION – EXPLOITATION – MAINTENANCE

Road Maintenance
- Operations & Maintenance Guidelines
- Routine Maintenance Manual

Road Operation
- Tunnel Operation / Tunnel Emergency Plans

Road Exploitation
- Toll Stations
- 17 Services Areas & 23 Rest Areas

Road management
- 5 Motorway Administration Centers (MAC)
- Telematics Applications