

Urban mobility

Solutions for tomorrow. Today.



Global Motors is your ideal partner for comprehensive engineering throughout all design stages and in all system technologies.



About Global Motors

Urban mobility, regional mobility, integrated mobility- Global Motors is a Tunisian consulting and engineering company dedicated to every aspect of public transport.

Since the establishment of our company in 2013, we have supported projects of all sizes involving all modes of transport.

Our expertise is interdisciplinary, our service holistic and entirely independent of suppliers. Drawing on vast experience in light rail systems - our original core competency- we provide end-to-end support in planning, realizing and maintaining even the most complex intermodal public transport solutions. From commuter rail, bus and metro to people mover systems, Global Motors has the know-how to answer all mobility needs.

Municipalities, governmental authorities, finance providers, transport operators, suppliers and turnkey consortia rely on Global Motors for expert planning and engineering support from the initial concept phase to implementation and operation. As a permanent joint venture of leading Tunisian public transport consultancies, we provide quality management according to internationally recognized standards.



Expertise

- **Light rail and metro**
- **People mover**
- **Commuter rail**
- **Bus and bus rapid transit**
- **integrated mobility**
- **Turnkey solutions**



Expertise

Today's- and tomorrow's- mobility demands a holistic view that includes all relevant transport modes. Smooth and efficient connections and integrated services are as important as the individual systems themselves.

Mobility without border.

Our intermodal know-how and experience range from rail-based transport systems to complete integrated regional mobility solutions. As deep as our expertise in each field of mobility is, our focus is always on the individual challenges you face and how to master them - efficiently, cost-effectively, sustainably. That's why we place great emphasis on research and farsighted planning that addresses the interests of all stakeholders.

This approach is clearly reflected in the Global Motors service portfolio: we deliver turnkey solutions that address the full scope of our clients' needs- consulting, engineering, implementation.



Expertise

Consulting · Engineering · Implementation

From initial ideas to implementation and operation- Global Motors is at your side. Our integrated consulting not only covers all project stages, but also takes into account the needs and expectations of all parties involved or affected. Top-quality engineering is at the heart of every reliable and forward-looking public transport system. Only an infrastructure conceived and realized precisely in line with real-life operational needs can win wide-scale acceptance and stand up to the test of time.



Mastering local challenges with global know-how



Feasibility and long-term viability depend on how precisely a system is matched to individual, local needs. At the same time, experience from projects is an invaluable asset in problem-solving. We consistently apply this global know-how, adapting best practices and best-in-class solutions to master the specific challenges our clients face.

Strong ideas, strong backing.

With a deep understanding of our client's present and future needs and plans, we systematically analyze the social, economic, political and environmental context. By securing broad consensus and support for your plans, we help dismantle potential obstacles from the outset.

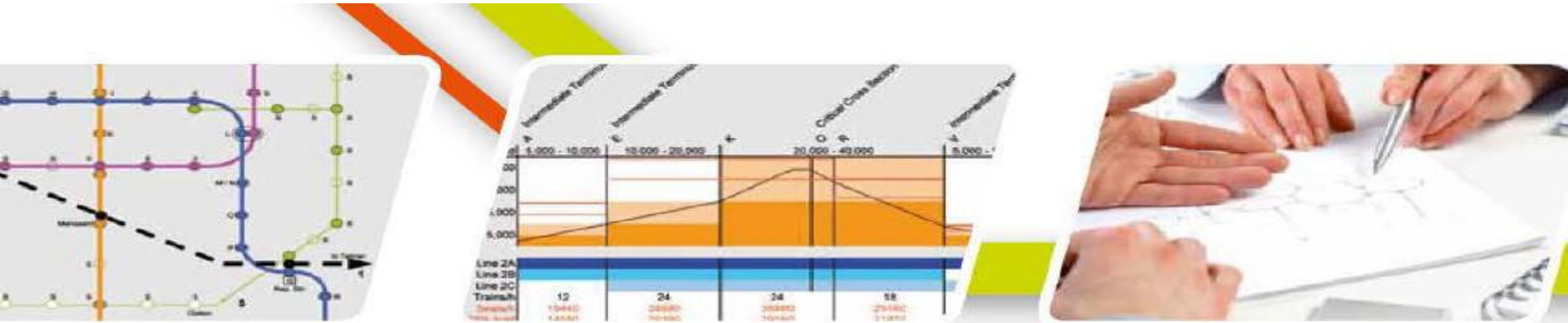
As experts, Global Motors consultants can play a central mediating role in political dialogue. Our experience, research activities and collaboration with respected institutes form a solid foundation for realistic and result-oriented discussion.

In cooperation with clients, we conduct comprehensive research into passenger needs and future trends. All available options- technologies, modes, suppliers - are considered from an absolutely neutral perspective with just one objective in mind: a perfect combination of cost-effectiveness, service quality and long-term viability.



Analysis

- Feasibility studies
- Market surveys
- System evaluations
- Transportation plans
- Environmental assessments
- Cost-benefit analyses
- Lifecycle analyses



Concepts

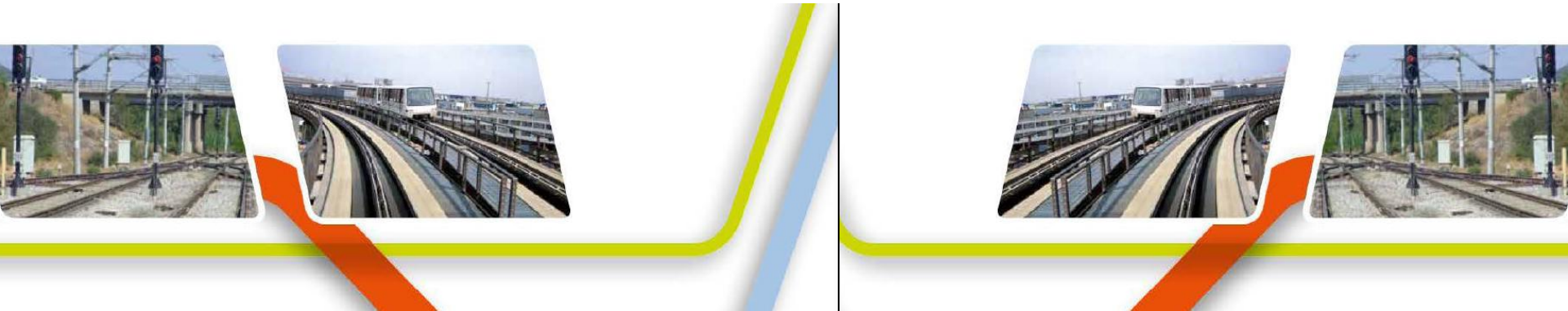
- System Layouts
- Operation concepts
- Design standards
- Safety and rescue concepts
- Rolling stock and maintenance concepts
- IT solutions
- Tariff structures
- Financing strategies and business plans
- Project development and procurement strategies
- Public private partnership (PPP) strategies



One source, complete project solutions.

As a Tunisian-based company, we draw on the vast engineering know-how of a globally leading centre of technology, quality and innovation. In addition, our experts are equipped with hands-on experience in day-to-day operation and maintenance of transit systems. That means we are in ideal position to support our clients in applying the highest standards of passenger service, safety, performance and reliability in implementing solutions of all types and sizes.

Based on our comprehensive expertise and global reach, we can assume responsibility for managing all engineering aspects of your project, including coordination and supervision of all suppliers and service providers. As an experienced company in turnkey project management, Global Motors provides objective quality control and project oversight.



Infrastructure

- Route and track alignment
- Permanent way
- Stations, terminals and transfer facilities
- Depots and workshops
- Bus lanes



Systems

- Electric power supply
- Overhead contact lines and contact rail systems
- Signaling and communications
- Automated train control systems
- Vehicle technologies
- Public address, safety and security systems
- Intelligent transport systems
- Automatic fare collection
- Real-time passenger information



Where consulting meets engineering

We bring together the full scope of our consulting and engineering skills to guarantee the highest possible Level of reliability, availability, maintainability and safety (RAMS). Our organizational support rang is from internal process optimization and quality control to staff training and knowledge transfer. And our proven engineering know-how is your guarantee of highly professional project management- and successful operation from day one.

On time, on budget.

Our integrated approach not only gives our clients administrative and technical support from a single partner, but also helps control costs and avoid delays. In tendering and procurement, for example, the knowledge and experience of our experts are valuable assets in securing maximum value for money. Global Motors is also your strong partner in mastering complex cost- and time-critical challenges such as negotiations and contracting and institutional setup.



Where consulting meets engineering

Because our consulting and engineering services work hand in hand, we are in an ideal position to coordinate processes like setting up public private partnerships (PPPs) and institutional frameworks as well as technical tasks like site supervision, construction management, inspections and acceptance tests. This combination of organizational and project related support adds up to a decisive advantage: efficient implementation of your public transport system, on schedule and within budget.



Project support

- Tendering and procurement
- Project management
- Site supervision
- Factory inspections
- System commissioning and acceptance tests
- Operation start-up and support

Organisational support

- Management assistance
- Rules and regulations
- Operating procedures
- Process optimisation and quality management
- Staff training



A passion for the future of urban mobility.

With LRTC at your side, you can rely on a team of dedicated and absolutely independent experts in all relevant disciplines. Their experience in projects on every continent of the world combined with access to internationally leading technological knowledge makes them invaluable partners in public transport projects of all kinds. In addition, we actively ensure that our knowledge pool never stands still with continuous training and staff development.

Cooperation agreements with respected universities and active involvement in research & development projects as well as long-standing partnerships with strong local players in the international market further back up our expertise base.

But above all, the professionals that make up LRTC are characterized by a wholehearted commitment to holistic, future-oriented urban and regional transport. With an approach that is as pragmatic and result-driven as it is visionary, we work with our clients to realise solutions today to tomorrow's mobility needs.



A passion for the future of urban mobility.

Tailored teams, tailored solutions.

Planning, engineering, IT, construction, management, financing - the specific consulting needs that arise in public transport projects can vary widely. Yet some demands remain the same: day in, day out, systems must operate at a high quality and service level while consistently meeting evolving mobility requirements for many years to come.

Whichever types of support your project demands, we will assemble a team that concentrates leading know-how in precisely those disciplines called for to realise your vision.

No more and no less.



Our people

- High quality standards
- Independent expertise
- State-of-the-art know-how
- International experience and knowledge of best practices
- Comprehensive expertise
- Certified operation managers according to SOStrab

Our approach

- Best-in-class solutions
- Market and technology overview
- On-site presence
- Tailored project teams
- Efficient project management
- Political liaison and stakeholder dialogue
- Know-how transfer and training
- Research and collaboration with universities
- Strategic alliances with selected partners





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