STIB moving...
on the international track
Expertise on the international markets

Thanks to its comprehensive knowledge of an integrated public transport system, STIB has been awarded contracts on the international markets for the following main assignments:

- feasibility studies
- preparation of technical specification, tender evaluation, selection of equipment, operation, testing, commissioning, maintenance and management of any system and transport mode, including rolling stock, fixed assets, power supply, telecommunications, tracks, depot, workshop and maintenance facilities
- system engineering, interface management
- project supervision
- design, implementation and follow-up of RAMS procedures
- quality control and assessment
- risk analysis and assessment of technical and operational incidents and procedures for urgent interventions
- design equipment and management of an Operation Control Centre (OCC)

STIB is fully independent from any supplier. This provides a sound and well-qualified expertise to the clients.
**Luxembourg City - GRAND DUCHY of LUXEMBOURG**

- **First tram line Cessange - Kirschberg**
  - specification of tender documents, evaluation of offers, comparison of 3 sites for maintenance / workshop
  - feasibility study of tram depot / workshop layout
  - assistance to the supervision and coordination and follow-up of the detailed studies

**Athens - GREECE**

- **Assistance to the start-up of a new tramway network**
  - global management of the project
  - supervision of the building and start-up of the maintenance workshop
  - laying of the tracks and the signaling equipment
  - rolling stock

- **Technical assistance consisting of “on demand” assignments**
  - supervision of the tram retrofitting program
  - supervision and training of the welding track maintenance team
  - car body repair of vehicles

- **Partnership in the consortium in charge of the design, procurement and operation of the electromechanical part of the extensions of metro lines 2 & 3**

**European Union Projects**

- **DRIVE** (Dedicated Road Infrastructure for Vehicles in Europe)
- **PHOEBUS** (Project for Harmonizing the Operation of European Bus)
- **VSCS** (Vehicle Scheduling Control System) for the public transport vehicles
- **Urban Track**: aims at the development of innovative track products
- **E-ticketing**: leading position within the e-ticketing community as a founding member of the EU-sponsored Calypso and Triangle projects
- **TramStore 21**: STIB acting as leader of a project for a sustainable depot / workshop
- **Ticket to Kyoto**: STIB acting as leader of a project for sustainable development of urban transport, especially reduction of CO2 emissions
Algiers - ALGERIA

- Study for the Re-organization of the urban transport network
  ➤ Integration of bus, metro and tram lines

Casablanca - MOROCCO

- Owner’s consultant for assistance to the implementation of the new Tramway system
  ➤ detailed design review
  ➤ preparation of tender documents
  ➤ evaluation of proposals
  ➤ track, power supply and low voltage design review
  ➤ depot / workshop design review
  ➤ continuous follow-up during the construction phase

Istanbul - TURKEY

- Training and supervision of the standard CEN13816 Quality of Services certification of the “Taksim – Four Levant” metro line
- New LRT “Bagcilar-Ottogar”: supervision of electromechanical systems, rolling stock and power supply

Kayseri - TURKEY

- Overall supervision of the new LRT-system implementation
  ➤ rolling stock
  ➤ depot / workshop
  ➤ power supply
  ➤ RAMS study
Kuala-Lumpur - MALAYSIA

- Design and engineering of facilities for the STAR LRT-system
  - dimensioning of the system
  - layout of the line
  - dimensioning and integration of the stations
  - maintenance workshop: design, outfit needs, organizational methods
  - determination of the organizational structure of the operating company including functions of staff and staffing plan
  - operational training of the key staff abroad and in-situ

Manila - THE PHILIPPINES

- BOT (Built Operate Transfer) offer for the first light metro line
  In the eighties, STIB was a partner in the Consortium that carried out the turnkey installation of the Manila LRT
- Execution of an internal audit for LRTA (owner of the network and infrastructure) and for METRO (the operator) in order to determine the needs and feasibility of a complete rehabilitation of the system with a special attention to the rolling stock, tracks, overhead electrical lines, workshops and spare parts management
- Owner’s consultant for the capacity extension project of the LRT line 1
  - complete tendering stage
  - supervision, testing and commissioning of supplies and works

Jeonju City - REPUBLIC OF KOREA

- Feasibility study on the construction of a LRT-system
  - definition of the transport offer
  - analysis of the investments needed
  - rolling stock required
  - cost-benefit calculations
Innovative Activities / Ventures

Syncro
Traveller’s information system via SMS

Real-Time Route Planner
Internet-GSM information system providing
➤ vehicle position
➤ time table(s)
➤ nearest stop(s)
➤ traffic info

MOBIB
Contactless e-ticketing system in use on STIB network which will become the common system for an integrated fare collection with regional transport and national railways

Maintenance Competence Centre
STIB has set up a technical competence centre in its new central workshop of Haren for the maintenance of the “Flexity” type tramway as a qualified sub-contractor for the manufacturer and potentially for other operators of similar rolling stock

Car Body Repair
STIB can mobilize on short notice a team of experts for the car body repair of vehicles in situ (see Athens - Greece)

PHOENIX
STIB has developed an integrated Traffic Management and on-board Passenger Information System which is currently progressively being introduced on its fleet of vehicles

Chrono
STIB has edited a reference handbook covering the integration of bus and tram segregated lines in any kind of urban environment as well as the set-up of passenger stops for busses and tramways

CEN Certification
STIB is a frontrunner in service quality provided to customers
About 98% of its clients benefit from certified services during their journey

Training / Novum
Both tramway and metro training centres are equipped with state of the art driving simulators and high precision images
Combined to the simulators, an interactive computer assisted didactical tool for trouble shooting called “Novum” stands for high quality training of the staff
STIB can provide tailor-made training to other users
STIB international activities

An owner-operator’s expertise already exported to more than 40 countries

The Société des Transports Intercommunaux de Bruxelles ("STIB") is the operator of the integrated public transport system in Brussels, capital city of Belgium and Europe.

STIB runs 40 km of metro lines, 140 km of tram lines (or Light Rail) and 435 km of bus lines. Its fleet represents more than 1,100 vehicles. Nowadays, STIB carries more than 310 millions passengers (increase of 70% over the last 8 years).

STIB owns, finances and maintains its rolling stock and track as well as all the E & M equipment, (signaling, telecommunications, power supply, workshop and depot equipment, tracks). Such specificity, quite unique in Europe nowadays, requires the company to mastermind all the processes of design, selection, supervision, testing, commissioning, operation and maintenance of all kinds of equipment.

For the last 30 years, STIB has been awarded contracts in 44 countries offering its technical and managerial expertise in varieties of fields. In this short brochure, we invite you to discover some examples of these achievements.

We would be honored to be your partner for your future projects.