



Casablanca Tramway opens its doors to Optimization



CasaTram, operated by the RATP Group, is ready to begin operation of Casablanca's light rail using the GoalRail® metro planning system

SEPTEMBER 2012 — Casablanca, MOROCCO. This system's **first 30-kilometer long tram route** is expected to begin operation on **12/12/12**. It will connect the city's main neighborhoods located east and southwest of the downtown district, and will have **49 stations**. It is estimated that **250,000 passengers** will take advantage of this new service each day. The goal is to reduce accidents and delays while offering rapid, on-time, and accessible light rail transport, at an affordable price. To achieve these objectives, **GOAL SYSTEMS will be in charge of carrying out the best planning and optimizing all operations** using **GoalRail® metro** and **GoalStaff®** software.

Casablanca's transit authority, Casa Transports, has awarded a five-year contract to RATP's subsidiary company RATP Développement, for operation and maintenance of the city's first Light Rail line, as well as for overseeing the preparation phases for operations and personnel.

From the very beginning, **RATP Développement chose GOAL SYSTEMS** to work jointly in providing **optimized scheduling for the Casablanca light rail operations**, once again relying upon the mutual trust and confidence developed during earlier projects such as the Algiers light rail system in Algeria and the Gautrain system that connects Pretoria and Johannesburg in South Africa.

[Goes to Page 02](#)

Optimal planning for the 2700 buses of Consorcio Express



Consorcio Express is now using GoalBus® and GoalDriver® to schedule its operations for Bogotá's SITP system

SEPTEMBER 2012 — Bogotá, COLOMBIA. After exhaustive testing of the main software solutions available on the market by Bogotá's **Integrated Public Transit System (SITP in Spanish)**, one of the companies that operates the city's system, **CONSORCIO EXPRESS**, has chosen **GoalBus® and GoalDriver®** ...

[Goes to Page 02](#)

MiBus obtains the best scheduling in Panamá



Panama's Metrobus achieves substantial savings after putting GoalBus® and GoalDriver® into operation in record time

SEPTEMBER 2012 — Panama City, PANAMA. Transporte Masivo de Panamá (MiBus) is a company with a fleet of 1,200 vehicles, directed by the Colombian business group Fanalca. For the last two years, it has operated Panama City's public transport system, which is known as Metrobus. **In April 2012, MiBus decided to replace its scheduling software with the full urban transport solution offered by GOAL SYSTEMS.**

Reaching new horizons in Colombia's Mass Transit System



Metro de Medellín will also use GOAL SYSTEMS software to schedule its operations

SEPTEMBER 2012 — Medellín, COLOMBIA. **Metro de Medellín** is the entity that operates and regulates that city's urban transit system, which is made up of the **Metro service**, the **Metrocable aerial cable** system, and the **Metroplus** bus system. In addition to being a high-capacity, urban mass transit system, it also features the country's only subway.

[Goes to Page 02](#)

[Goes to Page 03](#)

CasaTram, a Grupo RATP company, is ready to begin operation of Casablanca's light rail using the GoalRail® metro planning system

◀ From Page 01



Casa Tram train operation scheduled with GoalRail®metro

The software chosen for the project includes **GoalRail® metro** and **GoalStaff®**, which allow **optimized scheduling for timetables, human resources, and equipment**. These products represent **world-class software solutions**, which guarantee full, customized optimization for transport systems.

With this new project, **GOAL SYSTEMS** is reinforcing its presence in **northern Africa**, strengthening its range of **light-rail solutions offered**, and expanding its **already substantial levels of experience and effectiveness when working with urban transport systems**.

Consorcio Express is now using GoalBus® and GoalDriver® to schedule its operations for Bogotá's SITP system

◀ From Page 01



CONSORCIO EXPRESS will be able to introduce many additional benefits to the services that it already obtains from GoalBus®

...as tools for optimal resource planning and shift assignments for personnel, respectively. This will give the company an advantaged technological and operational position within the **system**.

Acquisition and implementation of the **GoalBus®** and **GoalDriver®** software now ensures that the company will enjoy an **excellent position within the SITP**, since it will benefit from the **highest level of optimization on the market**, and therefore **lower operating costs** as well. The most advanced planning products available from **GOAL SYSTEMS** provide **savings of over 10% on operational expenses**, compared to companies using

manual scheduling or using other systems.

CONSORCIO EXPRESS can now incorporate the services it was already receiving from the regulatory agency into **GoalBus®**, with the following additional benefits:

— Performance of all types of **timetable and bus service simulations**, taking into account driver services, ideal route distributions, and overall operating costs.

— **Performance of optimized calculation of the driver services** required to cover the bus routes that the Information Collection System (SIRCI in Spanish) includes on its planned schedules, while also **taking labor regulations, operating rules, and each company's internal policies into consideration**.

— Assignment of **drivers to driver shifts**, taking all types of **labor, company, or individual regulations** into account.

— Integration of the **shifts and the drivers assigned to them** into the SAE in the SIRCI, so that the information can be used automatically.

— Full access to the **GOAL SYSTEMS support team**, with 12 years of experience, and whose members are known by our clients for their **high levels of qualification and commitment**.

— **Interfacing with the SIRCI** using direct communication between **GOAL SYSTEMS tools**.

In April, **GOAL SYSTEMS** was already awarded the contract for the **SITP's operational scheduling system for buses** and for **Phase III of its Transmilenio service**, with approximately **14,000 buses included in the entire system**.

The company **Consorcio Express** was awarded the contact for operating **2,700 buses** in the **San Cristóbal** and **Usaquén** regions.

In the next few months, **new contracting is also expected to take place with the rest of the companies that operate Bogotá's SITP**.

Metro de Medellín will also use GOAL SYSTEMS software to schedule its operations

◀ From Page 01



Juan Manuel Santos, President of Colombia, at the inauguration of one of the new stations of the metro line scheduled with GoalBus®

Thanks to the use of **GOAL SYSTEMS scheduling**, Metro de Medellín will be able to **guarantee success with its plans for growth and service quality improvement**.

Metro de Medellín has grown the city's transport system into one of Colombia's largest and most prestigious. The agency is also **breaking new ground on the international level, by pioneering an aerial cable system connected to a metropolitan mass transit system**. Metro de Medellín is made up of multiple types of transport, which offer service to most of the city's neighborhoods:

— **The Metro** service is the country's only suburban train system capable of **transporting more than 400,000 passengers each day**. It includes two routes: the A line running north-south, and the B line that runs from the downtown area towards the west.

— **Metrocable** is a **cabl-based, aerial mass transit system**. It has three lines connected to the Metro in northern areas of the city, and **transports around 45,000 passengers** each day on average.

— **Metroplus** is a medium-capacity **integrated transport system**, which began full operation on the Medellín trunk line in December, 2011. Its route runs for 12.5 km, with **21 predetermined stops**. Furthermore, **the first branch of the pre-trunk Envigado-Itagüí was launched in September**.

GoalBus® software was chosen to **define the timetables and to schedule vehicles and driver services**. This is allowing **planning to be performed for both modalities**, metro and bus, while also taking the possibilities for **trip synchronization** between the two transit types into consideration. **GoalDriver®** software will also be used to **assign driver shifts for two separate groups of employees**: professional drivers working under a **collective labor agreement**, and university drivers who only work for the metro and who each work under their own set of **individual conditions**.

With this acquisition, **Metro de Medellín** will be able to offer **excellent services and service quality** in an optimized manner for this inter-modal transport system. For its part, **GOAL SYSTEMS** has gained a **strong position as an international leader**, thanks to **constant improvements and the creation of software that most specifically targets the scheduling needs of the transit sector**.

Panama's Metrobus achieves substantial savings after putting GoalBus® and GoalDriver® into operation in record time

◀ From Page 01

The company's rapid implementation of this solution, which included the integrated software tools **GoalBus®** and **GoalDriver®**, has translated into **enormous savings in terms of the human resources and equipment required** to comply with the committed service levels, and has also led to a substantial reduction for inefficiency.

In just over four months, a working group made up of the MiBus scheduling team, experienced consultants from SuBus de Chile, and the GOAL SYSTEMS project team successfully put both tools into operation. Not only was this remarkable implementation speed made possible thanks to this joint team's professionalism and experience, but also magnificent results have already been obtained. Compared

to the situation prior to **implementation of the GOAL solution**, **proven savings of 8.5% have been achieved in the number of vehicles required, along with a need for 17% fewer driver shifts and an 8% reduction in non-revenue trips**.

The implementation of GOAL software tools has also brought other benefits beyond just the immediate savings obtained, and these benefits will be enriched further by a second phase to create expanded functionality. The scheduling professionals from companies such as MiBus operate in a very dynamic business climate, which means that **the advantages of using GOAL SYSTEMS tools are not limited to the high levels of savings that can be achieved, but are also found in the potential these tools offer as simulation systems for future scheduling scenarios**.

The implementation of GOAL software tools has also brought other benefits beyond just the immediate savings obtained, and these benefits will be enriched further by a second phase to create expanded functionality.

At GOAL SYSTEMS we are thrilled with the success of this project so far, and we are proud to have the opportunity to work with scheduling professionals whose commitment and extraordinary capabilities allow maximum benefits to be derived from our systems.



Use of GOAL SYSTEMS tools offers great advantages for dynamic businesses like MiBus

