

Mastria - Integrated Multimode Mobility Coordination

Alstom - A complete range of transport solutions



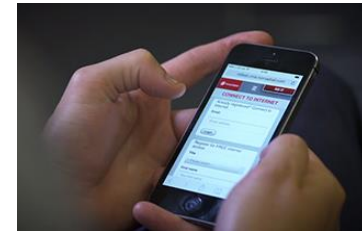
ROLLING STOCK

- Urban
- Mainline
- Freight & mining
- Components



SIGNALLING

- Urban
- Mainline
- Freight & mining
- **Digital mobility**



SERVICES

- Maintenance
- Modernisation
- Spare parts, repairs & overhaul
- Support services



INFRA & SYSTEMS

- Infrastructure
- Integrated solutions



Mastria Positioning

User's choice

Availability
Security
Time
Cost / affordability
Comfort

Operators

Market share
Profitability
Customer satisfaction
Adherence to contract with
PTA

Transport Authorities objectives

Provide efficient mobility
Congestion & pollution reduction
Optimize utilization of Public
space
Modal share targets
Balance innovation & regulation
(new modes & new entrants)



Journey planners

MaaS : plan, book & pay

**Aggregator : measure vehicle & people
flow, KPIs**

**Orchestrator : Coordination, modelization &
simulation**

Mastria for Seamless city mobility

MULTIMODAL ORCHESTRATION

Multimodal Traffic Management

Multimodal transport monitoring
City mobility optimization

Operations Orchestration

Incident Management
Hub & connection Management

Multimodal Mobility Analytics

Traffic Performance Analysis
Traffic Prediction
Decision Support

MULTIMODAL DATA



Bus



Tram



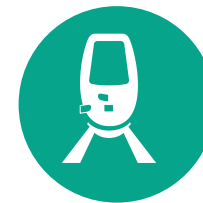
Metro



Other mobility
Service providers



Data influencing
mobility



Mainline data

A solution designed to answer specifically transportation authorities' needs

Customer benefits

INTEGRATED MOBILITY MONITORING

Flows & modal share monitoring

New modes monitoring

Transportation efficiency

Utilization of public space

Users satisfaction

SEAMLESS COORDINATION

Complete and real-time city overview

Minimized impact of transport
disruption

Faster incident resolution with
better coordination system

Easier prediction of demand to
adjust of the mobility system
(weather, pollution, events, ..)

Mobility as a Service enabler

REGULATE & INFLUENCE TO REACH OBJECTIVES

Increased use of active modes of
transportation and soft mobility

Reduced transports' carbon
footprint

Modal share & utilization of
public space objectives

A solution designed to answer specifically transportation authorities' needs

Solution capabilities

INTEGRATED MOBILITY ON YOUR TERRITORY

Forecasted **traffic flow**

Real-time information report

Communication **with relevant players**

Alerting to alternative mobility services providers

SMOOTH AND RELIABLE TRANSPORT IN YOUR CITY

Real-time & high quality information from all transport modes **to the Control Center**

Automatic advice on which **operational procedure to follow**

SOCIETAL AND ENVIRONMENTAL OBJECTIVES

High quality information : open data platforms for **on-demand mobility services**

Transport offer modulation **depending on pollution peaks and areas**

Designed to increase your citizens' satisfaction

MASTRIA CONTRIBUTES TO IMPROVE THE PASSENGER JOURNEY



Increased capacity
to change plans or adapt
itinerary according to
circumstances



Maximized
chances to catch a
connection



Enhanced visibility on
traffic evolution



Minimized implications
of an incident on transport
journey



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