


THE MOBILITY CONTROLLER



A-to-Be
Atlas™

Advanced Traffic Management
and Information System

 All information included in this document is subject to change as the product evolves

A-to-Be

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Mobility Beyond



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A-to-Be ATLAS™ is our Advanced Traffic Management Information System, an operational management platform for a complete view of operational scenarios, designed for traffic flow and safety – whether by taking action on its own or by allowing operators to take preventive and proactive actions.

It is designed for greater safety, comfort and quality on your clients' journeys. One of our clients reported that, since **A-to-Be ATLAS™** was adopted, there was a decrease of 15% on road fatalities and injuries.

Traffic management goals are increased mobility or improved road safety efficient management of a road network, optimizing the traffic flow while maximizing road users' safety and comfort.

A-to-Be ATLAS™ is the perfect tool to achieve this while, saving lives.

BENEFITS

COMPLETE

Unified and robust
100% web solution.

RESULTS

All operation sizes,
since 2004.

INDEPENDENT

Supplier neutral for
all equipment.

INTUITIVE

Easy and simple
interfaces, inside
and outside the
organization.



Business rules

A-to-Be ATLAS™ is built around business rules, a reflection of operations' good practices for increasing efficiency, whilst being customizable to meet each client's specifics. As a truly integrated platform, all aspects of operations management are covered on a single interface, indifferent to the equipment and subsystems varieties, creating a valuable independence from manufacturers.

By being independent on manufacturers, a Return-on-Investment of up to 58 million euros was achieved.



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Building bridges in a land of roads

A-to-Be ATLAS™ acts as a bridge. It connects what happens on the road to the nerve center – the Traffic Management Center (TMC). This is the territory where analyzes are made, monitoring prevents losses and road conditions are assessed. Data flows and information is produced to the TMC, enabling behavior influence and controlling road conditions – acting on Variable Message Signs (VMS), deploying assistance vehicles or getting vital information to the drivers smartphones. These operational theatres rely on well-defined operational procedures to address and follow-up a multitude of emergency and safety scenarios.









Coordinating complex theatres

It is from TMC that operational fleets are commanded – road patrols to guarantee drivers' assistance, protecting and assuring safe conditions, as well as maintenance vans for preventive interventions and repair works. Business is not limited to the road – insurance claims must be managed, road repairs evaluated and charged, situation information is reviewed and reports prepared.

Features

A-to-Be ATLAS™ is an interactive, web-based platform that provides rich functionality for advanced traffic management and information (ATMIS), maintenance operations as well as assistance fleet management. **A-to-Be ATLAS™** supports the full operations management life-cycle and integrates a wide range of technologies at various levels:

-  Road-side equipment
-  Operations management center
-  User information
-  Back-office operations
-  Business intelligence and reporting
-  Auditing


















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A-to-Be ATLAS™ is independent of equipment vendors and manufacturers and interrelates different Internet of Things (IoT) / road-side telematics equipment, including, but not limited to:

-  Video codecs and IP cameras
-  Remote sensors and displays
-  Vehicle Location services
-  Emergency call boxes
-  Emergency broadcast systems
-  Traffic counters and classifiers
-  Automatic Incident Detection (AID)
-  Weather and environmental control stations
-  Variable Message Signs (VMS)
-  Variable Speed Signs (VSS)
-  Lane Control Signs
-  Tunnel automation systems
-  Other automation systems (such as water treatment or lighting systems)
-  Inbound and Outbound communications
-  At the Control Center level, A-to-Be® ATLAS™ is interconnected with videowalls and telephony systems

In terms of other business applications, **A-to-Be ATLAS™** integrates with several ones, namely:

-  ERP for damage repairs invoicing and assistance services charging
-  Geographic Information Systems
-  Business-to-Business Traffic Information Exchange using standards such as Datex II
-  Tolling systems
-  User Information / Messaging solutions such as Waze®, SMS, Twitter™, websites, and Apps

A-to-Be ATLAS™ offers an intuitive solution for infrastructures of all dimensions, meta-operators and multi concession operators. It supports a diverse set of operational scenarios such as traffic control and information centers, emergency control centers and city management centers.



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Applications

A-to-Be ATLAS™ is multi-disciplinary and has applications in a variety of domains, such as:

- Interurban Traffic Management
- Urban Traffic Management
- Emergency Management
- Surveillance
- Equipment / Telematics Management
- Tracking and Control of assistance resources
- Tunnel Management
- Lighting control
- Energy management
- Water Supply and Treatment control
- Fleet Management
- Works and Damages Management
- Maintenance Management
- Asset Management
- Quality Control
- Information Exchange
- End-user Information