

# ASTUS METAL



## An Essential Tool for Managing Your Mobile Assets

To manage the availability and maintenance of assets used to transport, protect and control business inventories, it's essential to implement a mobile asset management system. Unlike short-range solutions (barcode, RFID), the Astus system records positions in real time, documents usage frequency and generates reports no matter where these assets are located.

Astus Metal addresses two main client concerns:

Companies who ship or receive goods, for whom the primary objective is to know where they are.

Companies who own mobile assets, whose priority it is to locate and identify their property.

## Track Your Assets in Real Time

With the Astus Metal module attached to your valuables, there's no need to worry about their location and if they arrive at their destination on time. You will have the answer at your fingertips wherever you are via our Astus software, accessible from a computer or smartphone. The accuracy, versatility and customization of the Astus suite of solutions is our greatest strength.

## Examples of Assets That Can Be Followed This Way

- Reusable containers and trailers
- Valuable tools or equipment subject to mandatory inspections
- Objects whose return must be monitored for certification
- Fragile goods whose temperature must be controlled (in which case the module can be equipped with a sensor)



## Advantages of Using the Astus Management System



Meeting the compliance requirements of customers



Tracking of the package at any time, and better control and visibility of inventory



Reduction in loss, theft and damage to goods in transit



Collection and analysis of data based on different attributes, such as temperature and shock



Customization of the module's parameters depending on the customer's needs



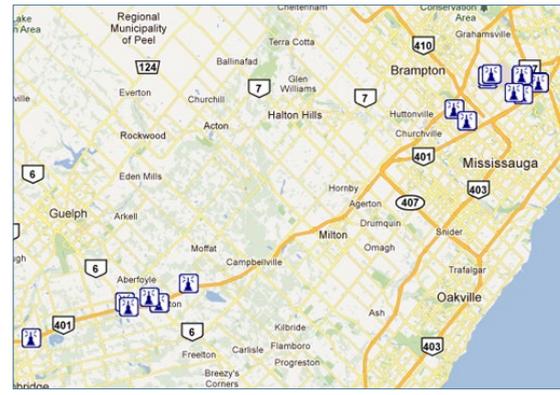
Reduction of operating costs through automated tracking

# TECHNICAL SPECIFICATIONS

## Features

The Astus Metal module is specifically designed for motor carriers and distribution companies. Its main features include:

- Internal extended-life Li-Ion battery
- Location based on cellular towers and signal strength. It is not based on GPS, nor A-GPS.
- Works inside refrigerated trucks, metallic containers, inside buildings, etc. (Wherever a cellular network is available)
- Cell carrier provider agnostic: works in Canada, USA, Mexico, Europe, etc.
- Tracking of assets in real time on a map
- Slow position update interval, based on client's needs (i.e. sending of location every hour, once a week, once a month, or any other time range)
- Remote configuration and update of firmware (OTA)



RealTime positions events

Date	Time	Location	Proximity
2011-10-27	00:40:29	7268 Edwards Blvd, Mississauga (L5S) ON CA	0,03
2011-10-27	01:40:29	7268 Edwards Blvd, Mississauga (L5S) ON CA	0,03
2011-10-27	02:42:51	173 Courtneypark Dr E, Mississauga (L5T) ON CA	0,00
2011-10-27	03:40:30	7268 Edwards Blvd, Mississauga (L5S) ON CA	0,03
2011-10-27	04:40:30	173 Courtneypark Dr E, Mississauga (L5T) ON CA	0,00
2011-10-27	05:40:30	173 Courtneypark Dr E, Mississauga (L5T) ON CA	0,00
2011-10-27	06:40:30	4215 Watson Rd S, Puslinch (N0B) ON CA	0,13
2011-10-27	07:40:33	544108 Clarke Rd, South-West Oxford (N5C) ON CA	0,27
2011-10-27	08:40:33	334 Waterloo St, London (N6B) ON CA	0,04
2011-10-27	09:40:34	332 King St, London (N6B) ON CA	0,01
2011-10-27	10:43:37	HWY-2, London (N6B) ON CA	
2011-10-27	11:40:34	332 King St, London (N6B) ON CA	0,01
2011-10-27	12:40:34	332 King St, London (N6B) ON CA	0,01
2011-10-27	13:40:34	332 King St, London (N6B) ON CA	0,01
2011-10-27	14:40:34	HWY-401, Thames Centre (N0L) ON CA	0,00

Tracking of an Astus Metal module: on a map or a grid

## Specifications

Internal rechargeable Li-Ion battery (2600 mAh)

Autonomy: GPRS ≈ 10 days  
HSPA ≈ 7 days  
(depending on usage and frequency of positions)

Modem HSDPA/GPRS

GPRS Quad Band EGSM 850/900/1800/1900 MHz

HSDPA UMTS/HSDPA (WCDMA/FDD) 850/1900/2100 MHz  
Quad Band EGSM 850/900/1800/1900 MHz

Accuracy: Related to cell tower density  
Typical

- In major cities	< 1 km
- Along highways and main roads	
- In rural areas	up to ≈ 5 km

## Related Products

If your needs require more functionality and flexibility, ask about our other more complete solutions, such as these two products:



### ASTUS TAG

COMPLETE FLEET MANAGEMENT SOLUTION

Our best seller, this module does it all: ultra-precise tracking, task dispatching, history view, analytical reporting, etc.



### ASTUS FLEX

FOR MAXIMUM FLEXIBILITY

This module is in some way a mix between our Astus Metal and Astus Tag modules. It offers the same features as the Tag, while having the distinction of being mobile, so to operate autonomously.

