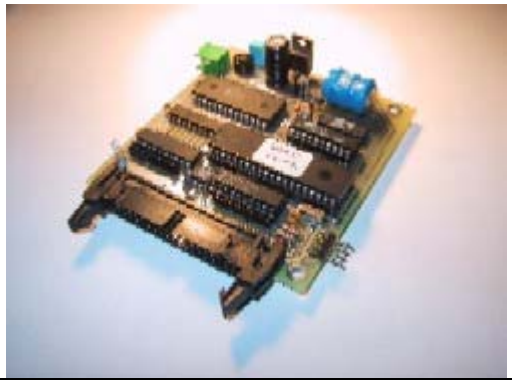
mVS (mobile Vending Solution) using ASYRMA's Telemetry Smart Box (ATSB)		
Application Area:	1. **Machine2Machine (m2m)** 2. Person2person	
Application Type:	1. mPayments - mCommerce (**micro payments**), Ticketing 2. Telemetry / Remote control applications	
Target segment:	Youth, General Public	
Technology:	SMS + DATA CALLS over GSM/GPRS	

The **m-VS platform** is an integrated solution consisting of custom hardware (**ATSB-100**) and software (**mVS gateway**) directed towards the realization of a micro-payment solution which can be coupled with common machines that accept physical (coins / tokens) or electronic (credit card / smart card) payment.

Potential applications for **m-payment** can be found in:

- Vending machines (also for monitoring, statistics of the machines)
- Ticketing (cinema, metro, bus), park meters, road tolls
- p2p (person-to-person money transfer), m-wallet
- and, in general, for everyday micro-payments. No need for change, just use your mobile!

The ATSB-100 embedded computer for telemetry is built around an Intel 8051-compatible processor with four design goals in mind: **System Expandability** (can accept up to 16 functionality-enhancing devices, from relay boards and Digital/Analog I/O boards to LCD screens and keyboard interfaces. New boards can be designed according to the needs of a specific application**). System Stability (**always-on, always-available device. Includes a 'hardware watchdog' to continuously check operation, making the likelihood of a non-responsive system very small). **System Performance:** system processor runs at 24MHz, with enough power to drive most demanding applications in this category. If more power is needed a compatible substitute processor can be used without any modifications. **System Programming:** last but not least, the module is operated by software residing in its FLASH RAM. This software can be updated over the air, without a need for technical expertise on site.

Through its internal serial port and external interface cards, it can be connected to virtually any device that possesses some sort of electro-mechanical system.

The ATSB can also be used for **Telemetry / m2m communications** applications:

- Remote Control and Monitoring of pumps, temperature, humidity, etc
- Access control (doors, gates, etc)
- Utility/Industrial meters (Automated Meter Reading)
- AVL/ Fleet Management

Availability:	**Ready for mass production**	Demo:	**YES**

ASYRMA Ltd.

ASYRMA (Applications and Services for Wireless and Mobile Systems Ltd) is the Greek provider of wireless data and mobile Internet solutions. Its mission is the development and integration of solutions enabling business clients to fully utilize the potential of mobile data. ASYRMA also distributes and supports hardware and software for mobile platforms in Greece. Future expansion plans include Cyprus and the Balkans.

Established in mid 2000, ASYRMA has a diversified product and services portfolio ranging from m-payment solutions and machine-to-machine communications to Automatic Vehicle Location systems and workforce mobilization solutions. ASYRMA is a member of the Mobile Data Association.

Through worldwide contacts and partnerships, ASYRMA offers a particularly high level of service to customers who wish to obtain sustainable and profound competitive advantages.