

Aplicom

NEWSLETTER January 2008

Real Time Measuring Brings 10% Savings in Electricity Consumption

BaseN Corporation with offices in Atlanta, Rotterdam, Prague, Madrid and Helsinki partners with Aplicom in Real Time energy measuring applications. "After an extensive test with several manufacturers' devices, we ended up choosing stable and fast Aplicom A1", says **Sujit Wings**, Product Manager of BaseN and continues, "Furthermore, the required software updates were most successfully managed by Aplicom devices".

BaseN offers energy measuring services both for private homes and industrial users. Aplicom A1 device can be connected to multiple electricity meters simultaneously and the users can monitor their own electricity consumption in real time from an easily conceivable graphical web page.

The immediate feedback provided with real-time electricity metering enables the individual consumer to become aware of their energy utilisation habits and react by switching of unnecessary devices such as idle computers or flat screen televisions. Typically 10 % savings in electricity consumption have been achieved in normal households.

BaseN is presently negotiating with some of the leading European energy companies. The objective is to start a large-scale pilot later this year with thousands of households in several European countries. The interest in BaseN's real-time measuring system among European energy companies has been remarkably strong. BaseN also offer Aplicom A1 based solutions for measuring liquids, gases and various environmental probes.

Aplicom A1 with Indoor GPS and Weak Signal Tracking

Aplicom A1 now features the new LEA-4S SuperSense GPS module from the leading Swiss manufacturer u-blox.

Building interiors, airports, shopping malls, train stations and other places with obstructed views to the sky are a key challenge for uninterrupted GPS signal reception and for accurate position calculations. Under these challenging conditions, the GPS receiver must be able to detect the weakest signals perceivable in places with no direct views to satellites.

SuperSense GPS offers significantly better signal reception and allows smaller GPS antennas to be used and located out of sight. The SuperSense GPS module has been tested by locating GPS antenna facing down under the driver's seat.

Trip Distance Measuring Tested in Motorsports

The Finnish Automobile Sport Federation AKK Motorsport fitted ten rally cars with Aplicom A1 devices with the aim to improve competitor and spectator safety by monitoring the fast moving cars in real time.



Picture by Jarno Saari

In the test, which took place in Vanajanlinna rally in mid-January, A1 TRAX devices were used together with 4TSFINDER real time tracking and fleet management application supplied by 4TS Finland Oy. A1 TRAX devices proved their reliability in the harsh environment of rally cars and the racing teams were pleased with the easy installation of the devices.

"We have been looking for a system for monitoring rally cars. Until now the cost of reliable tracking equipment has been prohibitive. The system was working as expected and we see a lot of potential in the use of tracking equipment in motorsports", says **Risto Laine**, Sporting Executive for Rally at AKK Motorsport.

In a rally competition, the distance of all special stages is accurately measured with high precision friction metering devices by the rally organisers. All competitors drive exactly the same route and top drivers follow almost identical course during special stages. Therefore, a rally competition was also an ideal place to demonstrate the advanced GPS based trip distance measuring capabilities of A1 TRAX.

Out of ten fitted cars eight finished the race. A1 devices in these cars were giving identical readings. The difference between A1 devices and the high precision trip meter was systematic and less than 3 percent. In conclusion, trip distance measuring with A1 TRAX was proven to be much more accurate the odometer in normal cars.

CeBIT 2008, Hannover 4.-9.3.2008

We are this year again presenting our latest products at CeBIT 2008. Come and see how Aplicom products can be part of your projects.



Aplicom at CeBIT: **Hall 14**, stand number **J22**

Aplicom®

Sinimäentie 8 B, FIN-02630 Espoo, Finland
Tel. +358 9 2707 5970, Fax +358 9 6831 1350
www.aplicom.com