

# La Bretagne développe les médias et réseaux de demain

Conférence de presse



Mercredi 12 février 2008

Mobile World Congress, Barcelone  
Hall 2 F49



Pour diffusion immédiate

## La Bretagne développe les médias et réseaux de demain

(hall 2 stand F49)

### **Barcelone, 13 février 2008 - La Bretagne, au Mobile World Congress du 11 au 14 février**

Reconnue dans les domaines de la téléphonie mobile, de l'image et des réseaux, la Bretagne est un lieu de convergence des technologies de l'audiovisuel, des télécommunications et des technologies de l'information.

Les entreprises high tech de la région contribuent à la mise au point de nouvelles solutions technologiques : MPEG4, plates-formes de diffusion DVBT et DVBH, convergence triple play, protocole IPV6, vidéo sur mobile...

### **Un territoire à la pointe de la télévision sur les mobiles**

Les innovations développées aujourd'hui autour de la télévision haute définition et de la télévision sur les mobiles placent les entreprises bretonnes parmi les plus en pointe. En participant à l'émergence de nouvelles solutions pour l'émission, la diffusion et la réception de la télévision sur les mobiles, des entreprises bretonnes comme Enensys, Teamcast, Siradel, Astellia, Streamezzo, C2 Innovativ'Systems, Kerlink, Newscape Technology et Envivio bénéficient d'une belle croissance.

Pour la quatrième année consécutive, la Bretagne est fortement représentée sur le salon Mobile World Congress, avec 16 entreprises du territoire, dont 9 PME. Sur le stand Bretagne ICT cluster seront notamment présentés une plate-forme de diffusion et de réception de télévision sur les mobiles, un transcoder nouvelle génération, de nouveaux encapsulateurs, des suites de modèles de propagation pour l'industrie sans fil, ainsi que de nombreux projets collaboratifs, labellisés par le pôle de compétitivité Images et Réseaux : Interlight, Mobile TV World, Mobim@ges, Bretagne 3D and Barcelona 3D, or Im@g'in HD (chaîne expérimentale réalisée lors de la dernière Route du Rhum mettant en œuvre les applications opérationnelles des dernières technologies HD).

## **Bretagne, centre d'excellence des services et des technologies mobiles**

Pôle français de renommée mondiale dans le secteur des technologies de l'information et de la communication, la Bretagne recense plus de 50 000 emplois dans ce secteur, dont 15 000 uniquement dans la R&D.

Son essor s'est structuré autour de trois métropoles, Rennes, Lannion et Brest, qui ont chacune bénéficié de l'implantation progressive de nombreux centres de R&D, de l'émergence de nombreuses PME innovantes et d'un environnement universitaire privilégié (105 000 étudiants). Une mise en réseau qui s'est traduite par la mise en place du pôle Images & Réseaux, dont les fondateurs ne sont autres que France Télécom, Thomson, Thales, Alcatel-Lucent et TDF. Reconnu par le ministère de l'industrie, ce pôle international place la TV mobile au centre de ses recherches.

Rennes Métropole et sa technopole Rennes Atalante réunissent ainsi de grands groupes internationaux comme Alcatel-Lucent, Canon, Motorola, NXP, Orange, Renesas, SFR, Silicon Laboratories, Thomson... A ceux-ci s'ajoutent des PME innovantes comme Astellia, C2 Innovativ'Systems, Enensys Technologies, Envivio, Kerlink, Mobiltron, Siradel, Streamezzo et Teamcast pour ne citer que celles présentes sur le Mobile World Congress 2008. Sans oublier de nombreuses équipes de recherche académique (Irisa, IETR, Université de Rennes 1, Insa, Supélec, Télécom Bretagne...), fortement impliquées dans le cadre du 7ème Programme Cadre Recherche Développement européen.

### ***Les TIC en BRETAGNE***

***50 000 employés***

***885 compagnies (plus de 120 comptant plus de 20 salariés)***

***25 centres de formation et de recherche***

***15 000 chercheurs***

***30 sociétés créées par an***

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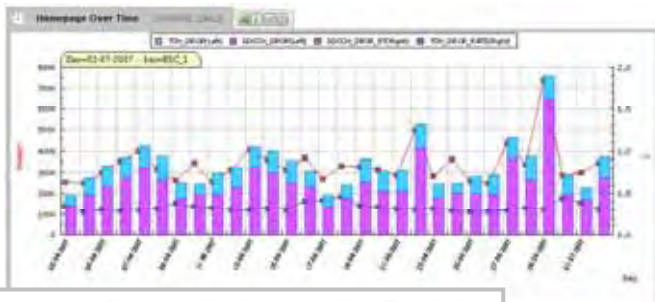
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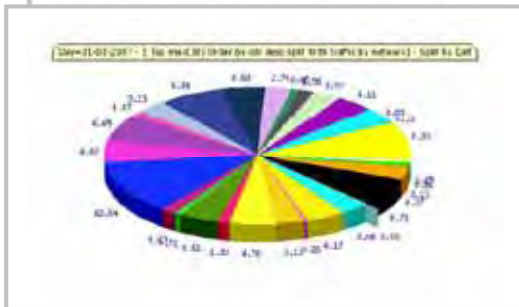
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## THANKS TO DATATRENDS, ASTELLIA INTEGRATES OMC DATA INTO ITS PERFORMANCE MANAGEMENT SOLUTION



Rennes, February 6, 2008 - Astellia launches DataTrends, a multi-vendor, multi-technology Performance Management (PM) data warehouse. It provides operators with very efficient means for trending analysis, reporting and alarming. DataTrends embeds Astellia telecom experience, giving very quick access to relevant information for network optimization and maintenance.



The convergence of monitoring and OMC information in DataTrends will allow Astellia to provide operators with an unequalled network optimization and troubleshooting system through a very clear view of the experience of all their customers. Based on Astellia skills and expertise in mobile network performance, Astellia value-added KPIs and CDRs relying on probe monitoring combined with OMC statistics are clearly of assistance to operator teams.

DataTrends supports the introduction of further vendors and technologies. It comes with a high degree of customization that enables the tailoring of outputs. From top management to radio engineers, each department can define its own reports, views, alarms, KPIs and queries.

DataTrends can either be integrated into the Astellia monitoring solution or used as a stand-alone PM solution, allowing Astellia to extend its native monitoring market to the OSS market.

### About Astellia

[www.astellia.com](http://www.astellia.com)

With strong experience in the telecom activity and constant in-the-field involvement, Astellia helps more than 130 mobile operators and equipment manufacturers worldwide to maximize the performance of their networks and offer an optimum quality of service (QoS) to their subscribers.

Astellia solution covers GSM/GPRS/UMTS technologies from radio access part to core networks. Astellia offers not only solutions but also services like network audits and optimization, training etc.

### Contact

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## ASTELLIA OPTIMIZES NEIGHBORING FOR 3G CELLS

Rennes, February 6, 2008 –Optimizing neighbor lists is the first crucial step to harmonious mobility in your 3G network. And Astellia offers operators business-oriented solutions to optimize them. Non-optimized neighbor lists lead to call drops and poor quality of service.

The 3G neighbor list optimization feature in Cigale Iub is a pertinent decision-making support that proved its efficiency in the field, for example by lowering the call drop rate by 2 points.

This optimization is performed in a 3-phase automatic process:

- Analysis of subscribers' true traffic taking account of their mobility habits,
- Comparison between declared neighbors and effectively used neighbors,
- Display of decision results: keeping, adding or removing a relationship.

Neighboring statistics are aggregated over several days, gathering enough traffic to make decisions based on reliable statistics.

### Adding neighbor relationships

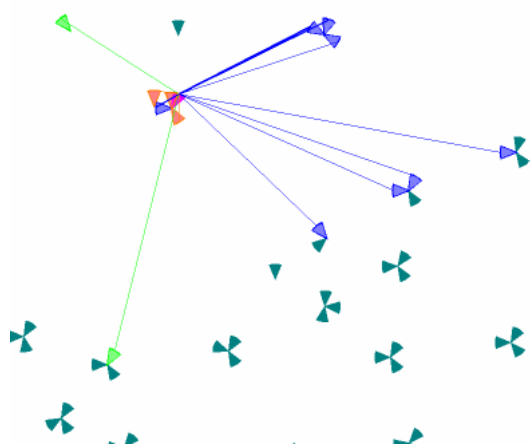
The ability to discover new valuable neighbors is based on the ability of handsets to measure cells that are not directly described as neighbors.

- Transitivity: the neighbor of a neighbor can become an efficient direct neighbor,
- Some handsets are able to measure cells that are not declared as neighbors, related to "detected sets". This feature has to be enabled on network equipment.

### Removing neighbor relationships

As mobiles are limited in terms of the number of monitored cells, it is important to reduce neighbor lists to make sure that the most efficient neighbor cells are effectively measured by mobile handsets.

Geographical elements are very important when making decisions about neighbor relationships. Cigale Iub provides an embedded GIS and exports to Google Earth (registered trademark Google) displaying hills and mountains, thus showing topology constraints.



Based on this principle, Cigale Iub can also optimize 3G to 2G cell neighboring, providing more efficient UMTS to GSM mobility.

Astellia offers associated services, such as audits and technical assistance to detect neighbor anomalies and optimize the performance of your network.

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## Contact

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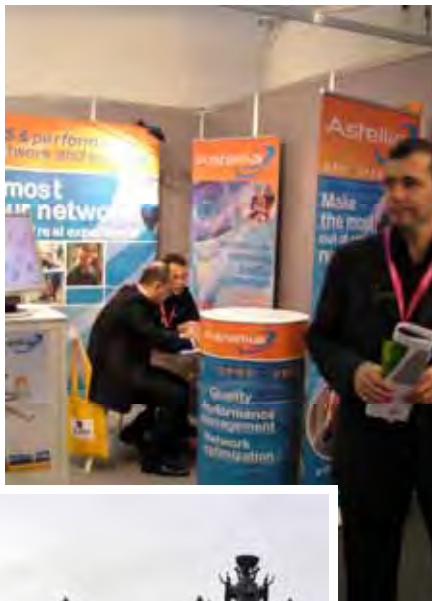
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## Astellia monitors and troubleshoots mobile networks (Mobile World Congress - Hall 1, stand B12)



Rennes, February 6, 2008 - Astellia participates for the 8<sup>th</sup> consecutive time in the Mobile World Congress in Barcelona (Spain). Come and visit us Hall 1, stand B12.

With more than 130 customers Astellia is one of the leading solution providers in the field of monitoring and performance management for GSM, GPRS and UMTS networks. Astellia is a "pure" player, and that makes it different from others and unique. This makes Customers more confident in Astellia solution and the associated benefits it generates.

### What's new?

- **Packet Services Monitoring (PSM)** for real services analysis: 2G/3G E2E monitoring solution with PSM, generating detailed reporting of the QoS/QoE for 2.5G/EDGE and 3G/HSxPA packet services.
- **Handset Profiling** to measure and analyse performance and usage of handsets: After roaming and VIP/fleet, this application allows the validation and benchmarking of mobile handsets, as well as the "usage" analysis.
- **DataTrends OSS** (Operations support systems) solution: Complementary to monitoring, Astellia is launching in 2008 its new DataTrends solution, which integrates OMC (Operation & maintenance centre) counters, shows results/trends in a Web interface and gives an insight into the network performance



2007 has been a good year for Astellia with significant growth and new customers in new countries. Astellia staff increased from 105 to 150 people in 2007, mostly telecom and software experts and engineers.

We achieve to maintain our average 30% annual growth with always a high R&D investment level. We have offices in Rennes, Paris, Angers, Singapore, New York, Beirut and Rio.

Astellia is now listed on the NYSE Euronext Paris stock exchange. This gives Astellia more resources to strengthen its position all over the world and increase its portfolio in order to permanently bring the best products and services to its customers.

### About Astellia

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C2 Innovativ' Systems, based in Rennes, Paris & Cannes, is a consultancy, engineering and integration company, specialised in new Information and Communication Technologies (ICT).

## Innovation, at the heart of our preoccupations

Since the company's creation in 1998 we have made innovation and R&D projects the heart of our business. We ensure that we keep our technological expertise up to date by continuing to invest in R&D, participating in national and European projects.

## The business and the stakes of our customers are our priority

We ensure that the business and the stakes of our customers are at the core of our work, in order to offer them solutions adapted to their needs, and which add value. Our know-how in technology and innovation has enabled us convince a number of companies and local authorities to become our partners.

### Our missions

Consulting, Engineering, Integration  
R&D, technological strategy  
Products & services

### Products and projects

#### NACOS

NACOS is a multimedia communication system suitable for situations where an autonomous solution and rapid deployment is required. It has been entirely designed and developed by C2Innovativ'Systems.

This solution is suitable for all event situations using appropriate wireless communication technologies to meet mobility requirements (WiFi, Bluetooth, satellite, GPRS, UMTS...).

NACOS is a networking solution which provides the following services:  
GPS location, Voice and high bit rate data communications, Exchange of bi-directional data with a supervision centre, Synchronisation of speakers/actors, Supervision of deployed equipments, Secure communications.

NACOS is a solution for all event situations: Emergency services, Extreme weather conditions (cyclone, tsunami), Fires, earthquakes, Secure transport, Media events, Crisis situations, ...

### Products and projects

#### High speed maritime satellite communication services

C2Innovativ'Systems has designed and integrated a platform providing IP broadband communication services for ships at sea, based on satellite systems.

This solution provides services such as VoIP, data exchange, internet and intranet access, videoconference and video transmission with high security and quality of service.

In a world of IP communications, we bring application on-board the ships, as if they were distant offices on the shore. This enables the crew to access each corporate tool or resources, in a totally secure manner, improving overall processes for the customer.

This solution is fully operational. Relying on partners who provides satellite capacity, C2Innovativ'System integrates on-board and on the shore network equipment in an end-to-end solution providing high quality IP services to ships in mobility situation thanks to its platform.

Acting as the customer interface during definition and installation, C2 Innovativ'Systems then provides support during operations.

### Products and projects

#### NUADU - e-Health

C2Innovativ'Systems is deeply involved in the European ITEA2 Project "NUADU". This project, financially supported by public funds, aims to study the advantages of using ICT in the provision of networked 'healthcare and wellbeing' services, that offer improved 'quality of life' for consumers and more cost effective and efficient solutions for service providers. C2Innovativ'Systems is particularly involved in developing innovative applications that will help elderly people at home or in mobility situation. The idea is to take advantage of a network of intelligent sensors (home automation, video camera, biomedical ...) in order to collect and bring provide information to medical staff members and finally be able to notify or alert them on their mobile phone or PDA, if a critical situation occurs.

NUADU project team members recently received a gold award during the last ITEA2 symposium, for the high quality of the communication regarding the project. This award went to the team that communicated the purpose, objectives and the results of its project in the most understandable and vivid way.



Barcelona, February 11-14 2008

**At MWC 2008 Barcelona, ENENSYS showcases second generation equipment for Mobile TV broadcast networks.**

*ENENSYS strengthens its leading position in Mobile Broadcast Network equipment provider with a brand new Mobile TV transcoder, combining Digital Turn Around and Mobile TV transcoding capabilities, that complements its ground breaking Mobile TV offer.*

At MWC2008, ENENSYS is proud to unveil this MWC2008 the product that brought ENENSYS DVB-H transmission system at its best: the H264 transcoder. **TransCaster** takes IP or DVB-S/S2 satellite signal in input, and repurposes compressed video contents that originally target TV sets to have them fit on a mobile phone screen, fully interoperable with handsets on the market. With a transcoding capability of one or more channels to H264 within the same unit, **TransCaster** is an extensively integrated product which revolutionary design makes it smooth to integrate in SNMP supervised redundancy systems.



ENENSYS shows up as well the second generation of DVB-H IP Encapsulator: **MobiMux** was released early this year, and it is the first hardware platform on the market 100% designed for DVB-H broadcast. ENENSYS R&D team worked on a trusted dedicated platform that ensures not only the shortest latency in IP stream processing and multiplexing, but the best (patent pending) results in terms of bandwidth optimization: the perfect fit for broadcasters, network operators or mobile operators.

ENENSYS DVB-H products portfolio includes also SFN adapter, IP gateways for compressed video distribution from Head End to transmission sites, DVB-H exciters.

A special pod will be dedicated to DVB-H test and monitoring tools such as field test analyzer, **DiviCatch**: the compact and self-powered equipment provides in-hand exhaustive diagnosis based on Mobile TV broadcast RF key indicators and MPEG2 information (table parsing, ETR290, etc.). DVB-H specific information is also provided, such as MFER, burst graphical statistics, ESG data parsing. With **DiviCatch RF-TH**, user can even zap and get the DVB-H services video on screen as on commercial handsets! The device, shipped with companion software, achieves a cost-effective field analyzer: the ideal «Swiss knife» for coverage tests, DVB-T or DVB-H demos or R&D applications.

*"Our Elements to Systems slogan depicts how customer-focused ENENSYS is: whether you are a Global System Integrator looking for the missing link to complete your Digital TV solution, or an Operator looking for a reactive partner to set up a new broadcast network, ENENSYS is your perfect choice." said Nicolas Fannechère, VP Marketing at ENENSYS. "ENENSYS Elements to Systems dynamics draw on a constant innovation around products and systems, which brings ENENSYS unrivalled competitive advantages. Together, we bring Elements to Systems."*

**About ENENSYS Technologies SA**

ENENSYS has years of experience in Digital TV transmission systems design and manufacturing. Offer ranges from Mobile TV, Digital Terrestrial TV, IP Distribution to Test & Monitoring solutions, with high grade services and trainings. Covered standards include DVB-T, DVB-H, DTMB, MediaFLO, Digital Cable, 8-VSB...

With more than 200 customers on 50 countries, ENENSYS clients are Broadcast Operators, Network Operators, Telcos, TV Channels Chipset Vendors, Set Top Boxes Manufacturers, Professional Equipment Manufacturers and System Integrators.

Headquartered in Rennes, France, in the heart of the European Digital Broadcast Cluster, ENENSYS is publicly listed on Euronext Paris Stock Exchange (FR0010286252 – MLENS).

For more information, please visit [www.enensys.com](http://www.enensys.com)

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## **RealNetworks Offers Envivio 4Caster Professional Hardware Encoders for Real-Time Mobile TV Streaming**

**South San Francisco, CA – February 7, 2008** – Envivio, Inc., the leading technology provider of IP video convergence encoding solutions from mobile to HD, today announced a new agreement which enables digital entertainment services company RealNetworks (Nasdaq: RNWK) to resell the Envivio® 4Caster™ Mobile Series hardware encoding platform. The platform includes the real-time M2 and M4 encoders and 4Manager redundancy system. The agreement enables RealNetworks to offer a complete carrier grade mobile streaming solution.

“Mobile TV streaming is moving to the next level. The continued uptake of mobile streaming services makes it clear that we now need to offer our customers an encoding solution that provides the very highest levels of compression, performance, and service availability,” said Scott MacKenzie, Director of Mobile Solutions at RealNetworks. “The 4Caster Mobile Series platform provides us with that solution. Ever since our collaboration began in 2002, Envivio has repeatedly demonstrated that it’s fully committed to supporting RealNetworks and our customers.”

Envivio and RealNetworks have a longstanding relationship in the mobile streaming market. RealNetworks provides video streaming infrastructure for over 100 leading mobile operators around the world including Vodafone, AT&T, TIM and Telefonica.

“Carrier grade hardware-based solutions represent the future of professional encoding for people that want to offer the next generation of services providing higher levels of video quality, reliability and 24/7 high service availability,” continued MacKenzie. “This new agreement with Envivio will give our customer base access to a real-time encoding solution that’s more suitable for the coming expansion phase of the mobile streaming market.”

“There is no doubt that mobile streaming is coming of age. Operators are no longer satisfied with non-redundant encoding platforms based on standard PCs and software,” said Rudi Polednik, Vice President Marketing and Global Alliances at Envivio. “They are now demanding more professional solutions that support reliable, high quality content delivery on which fee paying services can be justifiably based. Consequently, we are delighted to be expanding our relationship with RealNetworks in the Mobile TV market to help these operators gain access to the solutions they’ll need today and tomorrow.”

### **Award Winning Real-Time Envivio Mobile TV Encoders Now Available to RealNetworks Customers**

The 4Caster M2 and M4 encoders support the full range of 3GPP and 3GPP2 video and audio codecs, as well as advanced encoding features for mobile streaming including live bit stream switching and the Envivio Network-Aware Rate Control feature for low bit rate bandwidth smoothing. The encoders offer levels of stability and reliability not easily achievable using software based encoding solutions. When combined with the 4Manager headend management system, the Envivio solutions provide a fully automated M:N redundant mobile TV encoding platform with the same quality of service capabilities as a Tier 1 satellite or cable TV video headend.

Envivio 4Caster Mobile Series real-time hardware encoding solutions with the 4Manager headend management system are available from RealNetworks today.



### **Mobile World Congress 2008**

Envivio and RealNetworks will both be exhibiting at the Mobile World Congress in Barcelona, Spain from February 11th to 14th 2008. Envivio's range of world leading mobile streaming and mobile broadcast encoding solutions will be on display at stand 2H12. RealNetwork's range of mobile entertainment services and solutions will be on display at stands 4H19 and 4H25.

### **About Envivio Inc.**

Envivio Inc. is the leading technology provider of IP video convergence encoding solutions for telcos, enterprises, and broadcasters. Envivio is the only company to offer convergence solutions supporting the "Three Screens" of video – TVs, PCs and mobile phones – making IP video a reality over any type of network and to any multimedia device from mobile to HD. Envivio solutions deliver industry leading AVC (H.264), Windows Media Video (VC-1) and AVS compressed video quality at the lowest bit rate for mobile TV, Internet TV, IPTV and broadcast applications. Service providers worldwide use Envivio solutions to reduce their operational costs while offering subscribers the most compelling and highest quality video services anytime and anywhere. Visit [www.envivio.com](http://www.envivio.com) for more information.

Envivio is a registered trademark of Envivio Inc. All trademarks used herein, whether recognized or not, are the properties of their respective companies.

### **About RealNetworks**

RealNetworks, Inc. delivers digital entertainment services to consumers via PC, portable music player, home entertainment system or mobile phone. Real created the streaming media category in 1995 and has continued to lead the market with pioneering products and services, including: RealPlayer®, the first mainstream media player to enable one-click downloading and recording of Internet video; the award-winning Rhapsody® digital music service, which delivers more than 1 billion songs per year; RealArcade®, one of the largest casual games destinations on the Web; and a variety of mobile entertainment services, such as ringback tones, offered to consumers through leading wireless carriers around the world. RealNetworks' corporate information is located at [www.realnetworks.com/company](http://www.realnetworks.com/company).

## PRESS RELEASE

February 14th, 2008

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### **About the Media & Networks cluster**

The main goal of the France-based Media & Networks cluster (pôle de compétitivité Images & Réseaux) is to boost its members' competitiveness by accelerating their pace of innovation in three converging key technology markets: mixed media contents, mobile and broadband communication and Information Communication Technology.

Since it was founded in 2005, the cluster has set four objectives for achieving this goal: build on the huge technological asset of the *Bretagne* and *Pays de la Loire* regions in the field of telecommunications, enhance efficiency through proximity, support field experimentation, develop international synergy.

More than 150 members established in the *Bretagne* and *Pays de la Loire* regions have already joined the Media & Networks cluster. These include leading industry world-class players, innovative SMEs and academic research and higher education institutions.

To date, the Media & Networks cluster has fostered over 150 challenging R&D projects all based on member partnerships, with funding from local and national French economic development institutions.

### **Media & Networks cluster gives three conferences on innovative mobile technologies:**

**InterLight** addresses convergent solutions for presentation, navigation and interactivity in Broadcast and Unicast environment. Capitalizing on novel architectures based on MPEG4 part 20 ("LASeR") developing today in the mobile environment, InterLight explores DVB-T implementations of this standard, in broadcast SD and HD definitions. Results of the project will contribute to a coherent Rich Media approach across heterogeneous devices and networks. By Olivier Avaro (Streamazzo).

The scope of the **Mobile TV World** project is to enable two SME's from Bretagne, already active in European Mobile TV technologies, to enter new markets such as Asia and America. The standards likely to be developed and adopted in these markets will be identified and analysed, both in terms of the technologies and the market opportunities. Research will be undertaken to optimise the solutions and algorithms for reception. Technological building blocks (modulators, reception chips) meeting the target standard requirements will be developed. By Christophe Trolet (Teamcast).

The **Mobim@ges** project addresses the challenges of the new forms of consumption brought by the convergence of broadcast TV with mobile telecommunications. The implementation of innovative services is achieved by turning Bretagne and Pays de la Loire into a technological showcase of international quality. The skills brought to bear in the project are based on services and technologies which were predominantly conceived in Bretagne. By Bruno Westeel (Alcatel-Lucent France).

**For further information: [www.media-and-networks.com](http://www.media-and-networks.com)**

## KERLINK CONNECTING MACHINES

What do a freight wagon, a school bus and a carshare vehicle have in common? They are all linked to a central communications centre by a Machine to Machine (M2M) system. KERLINK's systems provide companies that have to manage remote vehicles, industrial machinery, electricity meters, etc with a real time view of the status.

KERLINK is presenting its M2M product range and its managed services dedicated to M2M applications (remote measuring, telecommunications, monitoring transport and logistics) at the **Mobile World Congress** (Barcelona) – booth 2F49.

KERLINK's product range is designed for M2M communications, connecting remote equipment and sensors (temperature, door opening, shock, etc) to the company's information system. KERLINK's managed services provide an M2M QoS network.

KERLINK simplifies M2M communications by providing comprehensive systems – including equipment, managed services and SIM card – for only a few Euros a month.

### About KERLINK

KERLINK develops and sells machine-to-machine (M2M) communication systems to connect remote equipment (sensors, machines, vehicles) to an information system. KERLINK is located on the Rennes Atalante science park.

Further information can be found on [www.kerlink.com](http://www.kerlink.com)

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## SIRADEL Press Release

GSMA Mobile World Congress, Barcelona, the 11<sup>th</sup> of February 2008

### ■ ■ VOLCANO 2.8 and VOLCANO LAB release

**SIRADEL** is pleased to announce the forthcoming release of **VOLCANO 2.8 & VOLCANO LAB**, the new version of its suite of propagation models for the wireless industry.

**VOLCANO 2.8** has overall performance improvement, including computation time, new supported map data format, and much more user friendly. New features have been implemented in order to meet the requests from new technologies like GSM-R and WiMax.

Meantime, in order to realize full advantages of **VOLCANO**, **VOLCANO 2.8** series are designed to specialize in features according to respective major planning tools.

**VOLCANO LAB** is the unique solution for using **VOLCANO** propagation models. Together as a total package, more applications can be expected in the near future.

**VOLCANO** is the world leading solution providing wireless industry with accurate and flexible radio coverage prediction techniques, necessary to have maximal confidence in the quality and capacity of any wireless network for mobile, broadcast and FWA (e.g. a WiMAX network) applications.

### ■ ■ About SIRADEL

Backed up by more than 13 years of research and practice in the area of radio propagation, **SIRADEL** provides turn-key solutions for planning and optimizing any radio network in the world.

**SIRADEL** provides unique products and services suited to optimize the design of any radio network working from 80 MHz to a few GHz. **SIRADEL's** solutions are already used worldwide to enhance the radio design of new operational radio networks using advanced technology, like 3G, also TD-SCDMA, WiFi, WiMAX, DVB-H, DVB-T.

The total package which **SIRADEL** offers includes three areas:

- Radio-wave propagation modelling, with the **VOLCANO** software solution,
- Radio coverage expertise and radio field measurements for model tuning purposes,
- Digital mapping capacity applied to telecom applications with a unique asset of accurate 3D digital maps in more than 100 countries.

### ■ ■ Contact : [www.siradel.com](http://www.siradel.com) / e mail : [info@siradel.com](mailto:info@siradel.com)

# News Release

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FOR IMMEDIATE RELEASE

## ***TeamCast actively contributes to the DVB-SH demonstration at MWC 2008***

**RENNES, FRANCE, 7<sup>th</sup> February 2008 – TeamCast**, a leading supplier of Digital Television Broadcast OEM products and a pioneer in DVB-SH technology, is contributing to the demonstration of live Mobile TV in S-Band based on DVB-SH covering the whole FIRA premises in Barcelona, on the occasion of the 2008 Mobile World Congress.

This demonstration involves major players from the DVB-SH ecosystem such as Alcatel-Lucent, DiBcom, Eutelsat Communications, Sagem Mobiles, SES Astra, TeamCast and UDcast.

In this demonstration, TeamCast is providing the DVB-SH modulators used in the terrestrial repeaters providing the FIRA coverage, and the professional DVB-SH demodulators used for checking and monitoring the transmission.

“After the successful DVB-SH demonstration at the CES in January, TeamCast is very proud to contribute to this MWC 2008 demonstration and to highlight the universality of the DVB-SH technology for delivery of mobile TV services”, declares Jean-Luc Pavy, CEO of TeamCast. “We strongly believe that DVB-SH has a great future for Mobile TV transmission, both for terrestrial only networks and for hybrid (satellite and terrestrial) networks, thanks to the technical improvements it brings over the proven DVB-T and DVB-H technologies”.

TeamCast’s contribution to the elaboration of the DVB-SH standard is widely recognized and all trials around the world done so far have been using their technology.

Besides the DVB-SH technology, TeamCast also offers OEM technology for Mobile TV meeting the requirements of other worldwide standards such as DVB-H and FLO™.

### **About TeamCast:**

TeamCast is a young company with strong technical credentials who supply 'OEM' product technology to infrastructure equipment providers for digital television broadcast networks.

Capitalising on the expertise of their three founders, TeamCast's scientific and technical teams have been deeply involved in the definition, development and validation of a number of digital television broadcast standards – for example, the standards for mobile and portable terminals defined by DVB-H, DVB-SH and FLO 2.0.

The OEM technology promoted by TeamCast provides a complete and compatible range of functional modules which are highly integrated and robust, and which the clients of TeamCast can easily integrate into their own transmitters, re-transmitters, base stations etc – thus forming the network infrastructure required for digital television broadcasting.

TeamCast is continuously updating its product range, developing modules which support both established and emerging standards for digital television around the world, including Europe, America and Asia. Today TeamCast serves more than 225 customers in 45 countries.

TeamCast's main research and development laboratories are based at St Grégoire, close to the city of Rennes. An American subsidiary, TeamCast Inc, based in Chicago (IL), was opened in February 2007, to enable closer working with US customers.

For more information, visit the website: [www.teamcast.com](http://www.teamcast.com)

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