



## HbbTV services and devices at IBC 2014

### **Abertis Telecom**

**Hall 1 / Booth C81**

ABERTIS TELECOM and NAGRA provide their Multiscreen Television Cloud Service to Broadcasters and Service Providers worldwide. The service includes an HbbTV turnkey solution for Connected TVs and set-top boxes that enables broadcasters to offer catch-up TV and secured VOD services, implementing different business models (advertising, transaction, subscription), DRMs, payment options and an analytics service for QoS and QoE.

### **ABOX42 GmbH**

**Hall 14 / Booth 14 J13 (Content Everywhere)**

ABOX42 is a leading provider of IPTV, OTT and hybrid set top boxes and services for network operators and content providers. ABOX42 will introduce its latest Smart STB M15 Hybrid platform to freely mix DVB-C, S2, T/T2 networks with IPTV and OTT video delivery. With ABOX42 new OTT DVB technology it is the first time possible to use HbbTV with OTT streaming and network structures where HbbTV is not part of the DVB signal. The ABOX42 Smart STB platform supports fast application development, short project cycles, low min. order qtys. and full software lifecycle management. The additional ABOX42 OPX SaaS and Cloud TV services allow to the operator to easily deploy, manage, operate und upgrade its services in the field.

### **ACCESS**

**Hall 14 / Booth D14**

ACCESS showcases its industry-leading NetFront Browser family, providing scalable HbbTV, HTML5 and RUI solutions to worldwide OEMs and operators, including pre-integrated DLNA and CVP-2 modules. ACCESS is supporting the migration to HbbTV 2.0 to provide consumers with companion applications, second screen experiences and multiscreen solutions. ACCESS NetFront Browser is the most widely deployed embedded Internet browser in the world today and it has been shipped in over one billion devices around the world, including digital TVs, set-top boxes, mobile phones, game consoles, e-readers, and much more.

### **ANTIK Technology**

**Hall 14 / Booth C08**

ANTIK Technology is EU based company dedicated to development, production and distribution of End-to-End IPTV hardware devices and software for telco operators, OTT content providers and hospitality. The company will exhibit professional headend components, scrambling, streaming, monitoring, middleware, hospitality systems, IPTV and hybrid DVB+IP set-top boxes using HbbTV. TV Solutions are used by dozens operators, content providers and hotels in Europe, Americas and Asia.

### **Arqiva**

**Hall 1 / Booth B61**

Arqiva will be demonstrating its Capra presentation framework at IBC. The Capra presentation framework allows broadcasters and content owners to simply create and manage linear and VoD IP services across HbbTV devices. Supporting broadcasters and content owners, The Capra framework enables application development across a broad range of HTML5 and HbbTV devices, delivering core multi-device functionality, enabling speedy delivery without compromising on quality and device compatibility.

### **Arkena/TDF**

**Hall 1 / Booth B79**

Arkena has been chosen by the major French broadcaster TF1 to manage the technical platform of the MYTF1VOD service. This TVOD offering is available via the HbbTV standard and is entirely powered by Arkena - from the back office through its new OTT Service Manager, to the workflow management and

content preparation, thanks to its Cloud4Media solution. Arkena and TDF are also managing the PlayReady and Marlin DRM protections on HbbTV sets. This service will be showcased during the IBC and our experts will be available to reveal all the details of this innovative service.

#### **DCC Labs**

#### **Hall 14 / Booth L14**

DCC Labs is an innovative software development company specialized in Digital TV middleware products, integration services and have very-large references. We help Broadband, Cable, Satellite and Terrestrial TV operators to increase their productivity, efficiency and address their respective market requirements. DCC Labs middleware products empowers TV operators to keep pace with innovations and launching services faster, simpler with the adoption of new applications, user interfaces, and business models that may open new revenue streams. We license software, provide End-to-End integration and firmware migration services for IPTV, DVB & OTT devices. DCC Labs partners with systems integrators, set-top box & CA/DRM suppliers, chipset manufacturers and other technology providers. For more information visit: [www.dcclabs.com](http://www.dcclabs.com)

#### **Digital TV Labs**

#### **Hall 5 / Booth A01**

IBC will see the debut of an extended PRO version of Digital TV Labs' market leading Ligada iSuite for HbbTV test harness and test suite which enables interoperability and conformance testing of HbbTV receivers for multiple territories. Ligada iSuite for HbbTV PRO's advanced network emulation capability enables testing of video delivery to devices under simulated real-life network conditions, where packet loss and bandwidth availability are variable factors. The extension includes pre-set emulations as well as the ability to create custom scenarios. We invite visitors to explore our range of services for operators, broadcasters and app developers, contact [info@digitaltv-labs.com](mailto:info@digitaltv-labs.com) to make an appointment with our HbbTV specialists.

#### **DOTSCREEN**

#### **Hall 2 / Booth B39c**

With headquarters located in Paris and sales offices in Spain and Brazil, DOTSCREEN is one the leading European multi-screen app developer and UI specialised agency. The company has already completed over 200 apps video applications on all smart TV brands, OTT boxes (Roku, Apple TV, Android TV), set-top boxes, game consoles (Xbox 360 & One, PS3 & 4), smartphones and tablets (iOS, Android, W8, Tizen), connected car radios, smartwatches and Google glasses. Our HbbTV customers are TF1, France Télévisions, Eutelsat, Fransat, Globecast... At IBC, we will showcase our suite of HbbTV apps including a portal, VOD applications, Catch-up TV, electronic programme guide, radio/audio, weather, zapping banner, car traffic info, horoscope and news. It is offered under licence to television channels and digital operators (satellite, cable, ipTV, DTTV).

#### **DTG Testing**

#### **Hall 5 / Booth A09**

Set up by the industry, for the industry — DTG Testing is the Digital TV Group's independent and not-for-profit ISO 17025 accredited test lab and a registered test centre for HbbTV conformance testing against HbbTV 1.1. DTG Testing are an active member of HbbTV, chairing the HbbTV Test Group and acting as Vice-chair of the Certification Group as well as providing support in the development and maintenance of the HbbTV test suite. All of its test suites are run by professional test engineers, providing productive and cost efficient test management with the highest level of service and support. For more information please contact [customerservices@dtg.org.uk](mailto:customerservices@dtg.org.uk). [dtgtesting.com](http://dtgtesting.com)

#### **DTVKit**

#### **Hall 4 / Booth A61c (UKTI Pavillion)**

DTVKit – the innovative open software foundation- will be demonstrating its independent HbbTV browser plug-in on the Ocean Blue Software stand. The plug-in is available to members of DTVKit in source code format on a royalty free basis. DTVKit is a rapidly growing community of companies benefiting from the reduced engineering costs and accelerated time to market through mutually beneficial industry collaboration.

**Eutelsat****Hall 1 / Booth D59**

Eutelsat and its industry partners MStar Semiconductor, Aston and Quadrille Ingénierie are setting the scene for Push Video On Demand services using the HbbTV v2.0 standard, as a practical and standardized route to optimizing bandwidth for video services. Eutelsat will show case the first draft implementation of such new functionality with an end-to-end system comprising:

- The back-end system able to prepare the content, present a catalogue of videos to end-user devices and transmit it over satellite in compliance with the transport protocol defined by HbbTV,
- The first satellite Set-top-Boxes integrating this new standard and able to receive and display HbbTV-based Push VoD services.
- HbbTV applications leveraging these new Push VOD features

**FRANSAT****Hall 1 / Booth D59 (Eutelsat)**

“FRANSAT Connect” is an interactive TV Portal, available on both Satellite set-top-boxes and connected TV sets that provides, along with linear broadcast television and live radio channels, interactive services in broadband. Using the HbbTV standard 1.5 with Dash streaming, CENC and Multi DRM support (Marlin and PlayReady), “FRANSAT Connect” allows improved access to interactive applications supplied by the TV channels available in the FRANSAT DTH platform by referencing them within the portal. Direct access to these interactive services is also available via the red button that appears on screen as a pop-up once a channel is selected. Through a simple and intuitive navigation, it provides seamless access to live TV and Radio, VOD and catch-up TV, and a wide range of on-demand services, notably a backwards EPG , an interactive zapping list, a radio portal and some infotainment services. By combining Specific Application Support (SAS) CI Plus Ressource using OIPF and HbbTV v1.5 standards and conditional Access system , FRANSAT is able to propose OTT services either on CAS embedded set-top-boxes or connected TV with CAM modules devices to enrich free to view and pay tv offers. Built on the resources of the HbbTV standard, “FRANSAT Connect” establishes a kind of “distributed middleware” onto set top boxes and idTVs, in particular in the context of retail distribution of labeled and non-proprietary satellite receivers.

**Fraunhofer FOKUS****Hall 8 / Booth B80**

Fraunhofer FOKUS shows recent developments and cutting-edge technologies in the field of Future Web Technologies, interactive and tailored media applications and multi-screen services for SmartTV environments: FAMIUM is an end-to-end prototype implementation for early technology evaluation and interoperability testing introduced by Fraunhofer FOKUS. We show “FAMIUM – Multiscreen Advertisement supporting DASH & DRM”. Benefits of our solution are: (1) Dynamic ad-insertion for Broadcast, HbbTV and OTT services and (2) DRM-interoperability for HTML5 browser environments. Features and components are an Open Source Content Decryption Module (CDM available on GitHub), support of different in-stream video ad types and Multiscreen Playout (TV, desktop and mobile browser via HbbTV and MPEG-DASH).

**Fraunhofer IIS****Hall 8 / Booth B80**

HE-AAC has become one of the most important enabling technologies for state-of-the-art multimedia systems. Thanks to its unique combination of high quality audio, low bit rates and audio-specific metadata support, it is the perfect audio solution even over channels with limited capacity, such as those in broadcasting or for new adaptive streaming standards such as MPEG-DASH. For these reasons, HE-AAC stereo and 5.1 was selected as the audio codec of choice for HbbTV services and devices. Visit us to learn about our recent developments and experience the future of television audio.

**GkWare e.K.****Hall 2 / Booth C51**

GkWare will show the prototype of an independent (not webkit based) CE-HTML browser implementation for HbbTV. In exchange for an early commitment, we can offer very attractive licensing models. The demonstration system shows the browser already embedded into a full CI+ and PVR enabled DVB middleware, including support for DSM-CC and HTTP based HbbTV content delivery. The market-proven DSM-CC client component and a matching object carousel generation software are also available as

independent packages. They support several other standards like DVB-SSU, MHEG-5 etc. in addition to HbbTV.

### **HTTV**

### **Hall 4 / Booth B77**

AT IBC 2014, httv will showcase new demonstrations over HbbTV. Parabole Réunion the Indian Ocean Satellite Pay TV Operator has selected HTTV's "httlink", HbbTV compliant TV operating system, together with Skyworth to deliver a features rich STB secured by Viaccess-Orca Prime Sentinel. The 4 tuners hybrid box will run HbbTV 1.5 as the applicative framework for enriched services. Excaf the new DTT operator in charge of the Analog Switch Off in Senegal will use httvLink Hybrid TVOS to deploy large volume of DVB-T2 boxes and offer HbbTV services. Novabase is working with httvLink TV operating system to step into the home networking arena with its HDMI dongle. The WiFi capable dongle enables broadcast and On Demand content to reach TV screens over IP. It is the first operator class HDMI-stick form factor IP-STB that is HbbTV compliant. HTTV will also showcase its Playout product for HbbTV.

### **HyperPanel Lab**

### **Hall 1 / Booth A40 (Askey)**

HyperPanel Lab and Askey Computer Corp - a Member of Asus Group - will showcase a disruptive SAT>IP certified Headed Media Home Gateway (MHG). Beyond being a feature-rich 4 tuners MHG capable of streaming content over WiFi to any and all mobile IP video devices - actually unleashing multi-room viewing and media whole home experience – our ALL-IN-ONE platform does also deliver best of breed browser-based multi-room DVR use cases (4 HD recordings in parallel, advanced trick-modes, follow-me, start-over). It is powered by HyperPanel Labs' latest compelling Software suite, featuring both HbbTV, and state of the art WebKit implementation.

### **Icareus**

### **Hall 1 / Booth C49 (Screen Systems)**

Visit Icareus to see products for better TV experience that enable broadcasters and operators to achieve higher viewer satisfaction in more than 40 countries. Icareus Playout is a robust HbbTV head-end product to ensure applications delivery over broadcast channel. Icareus Suite platform is used to manage the HbbTV and OTT user experience over broadband networks. It offers tools to for platform EPGs, catch-up TV, linear TV channels, viewer monitoring, social media and gaming. Icareus Suite is future proof solution offering solid long term roadmap to our customers to expand their viewership through HbbTV and other OTT end-user devices.

### **Institut für Rundfunktechnik (IRT)**

### **Hall 10 / Booth F51**

For the first time IRT presents its Second Screen Framework as live system on the basis of T-System's cloud-based First Connect service. First Connect allows to make the combination of HbbTV and Second Screen applications available to a large user-base for 24/7 commercial operation. Furthermore, BRAHMS (Broadcast and HbbTV Media Server), the easy-to-use HbbTV player, supports now editing and scheduling of DVB Stream Events to synchronize HbbTV applications with the TV picture. Profit from IRT's know-how and learn more in our training courses and seminars about the idea, and the opportunities HbbTV can deliver.

### **Intertrust Technologies**

### **Hall 6 / Booth B03**

Intertrust's ExpressPlay Cloud Multi-DRM Service (<http://www.expressplay.com>) will showcase the live MyTF1 VOD service based on HbbTV 1.5 with MPEG DASH on connected TVs. ExpressPlay will demonstrate its newest offering that allows service providers and device makers who seek to support all HbbTV-approved DRMs within one cost effective cloud service. To book a meeting, please contact: [info@expressplay.com](mailto:info@expressplay.com)

### **Inverto**

### **Hall 1 / Booth B51 (SES)**

Inverto is a leading supplier of advanced broadcast reception and streaming products for PayTV operators and service providers. During the last decade, Inverto has collaborated with industry leaders and pay TV operators to pioneer, create and develop revolutionary technologies and products such as Unicable LNBs, Hybrid HbbTV SmartTV STBs and middleware, SAT>IP Servers, Clients and Switches, IP LNBs and most

recently Unicable2 LNB and Switches. At IBC 2014, Inverto runs multiple demonstrations with various partners focusing on HbbTV STB and SAT>IP Clients based on ST's STiH237 family, HbbTV OTT Middleware, IP LNBs, SAT>IP servers and switches supporting reception and distribution of HbbTV services and its latest bread of Unicable2 LNBs and switches. For more information on the demonstrations and products - please contact Gil Laifer, Sr. Director of Products on +352 264367 314 or at [gil.laifer@inverto.tv](mailto:gil.laifer@inverto.tv).

#### **iWedia**

#### **Hall 5 / Booth B01**

iWedia, a leading provider of software solutions for TV devices, offers a CE-HTML / HbbTV browser as a stand alone software component meant to be integrated in the master software of a TV set or a STB. This component has been widely deployed by major TV set and STB manufacturers (Metz, Sharp, TCL). At the show, iWedia demonstrates its HbbTV browser integrated within its Teatro-3.0 STB software solution for Linux-operated STB, and within its Teatro-3.5 STB software solution for Android-operated STB.

#### **KATHREIN TechnoTrend**

#### **Hall 1 / Booth A58**

KATHREIN TechnoTrend will show its new generation of Hybrid Cable and Satellite receivers for broadband, broadcast and OTT services. Based on a Broadcom chipset and powered by the Opera browser, the STBs combine fast HbbTV experience with features like UPnP (client and server), PVR, SmartTV portal access, multi-screen/multi-room support and Smart Metering/Smart Home. Visit our booth to see the full range of innovative receivers.

#### **MIT-xperts GmbH**

#### **Hall 2 / Booth A44**

MIT-xperts is a leading provider for HbbTV solutions. At IBC 2014, MIT-xperts will be demonstrating a new version of its iMux iTV Playout Server, an impressive system to play out all your HbbTV applications as well as other data. In addition to that, MIT-xperts will be showing a selection of our HbbTV applications. For more information, see <http://www.mit-xperts.com/>

#### **MStar Semiconductor**

#### **Hall 1 / Booth BM5-6**

Mstar Semiconductor will showcase its HbbTV-compatible software solution, running on several reference designs and end-products.

#### **NetRange MMH**

#### **Hall 14 / Booth E13**

NetRange MMH is the leading global full-service white-label Smart TV portal operator and provides Smart TV portal, OTT and software solutions for major clients such as Sharp, TCL, Loewe, HD+, Changhong and many other CE-brands. NetRange offers device-agnostic and fully cloud-based portal solutions in HTML5, CE-HTML and provides full HbbTV solutions for operators and broadcasters including backend, portals and contentportfolio. The HbbTV solution includes the possibility to mix DVB-X channels with IP-based linear channels in the same channel list/ EPG. NetRange also provides support in operating a HbbTV portal, like creating a Barker channel, as well as running, maintaining and operating complex HbbTV backend systems. All NetRange portals are available with multiple additional features such as second screen solutions etc.

#### **NEOTION**

#### **Hall 4 / Booth B53**

NEOTION showcases on its latest CI+ 1.3 CAM (Conditional Access Module) generation SECURE OTT services to Pay-Tv Operators willing to offer a real joined up user experience between DVB broadcast encrypted content and "unmanaged services". By using the CI Plus 1.3 Specific Application Support (SAS) resource in the CAM, the OIPF DRM agent available in the Connected TV set and the HbbTV Standard as the single user interface for Over The Top (OTT) services delivery, NEOTION demonstrates that any Operator's subscriber equipped with a CI+ 1.3 CAM could benefit easily and in a familiar environment from innovative services such as dedicated portal, video-on-demand catalog... all in one and complete Pay-Tv offer.

**NGINE NETWORKS****HALL 14 / Booth L01 (Wiztv)**

Ngine Networks provides SmartGames.tv a smartTV, STB & HbbTV game portal. It is 20 games strong and growing. Each and every game can be fully customized to your brand. HbbTV versions include a picture in picture of the live channel. So add easily a gaming touch to your channel HbbTV service and your STB portal. Furthermore Ngine Networks offers a HbbTV monitoring service. We monitor the viewer experience in real life conditions from the DVBT signal to the HbbTV page loading. Stay in control and monitor your audience HbbTV experience. Meet us at our partner Wiztivi booth.

**Nordija A/S****Hall 14 / Booth L06**

Nordija develops and markets fokusOn, a widget-based middleware that helps telcos, broadcasters, cable TV operators and Internet service providers deliver a rich, interactive and user-friendly television and video-on-demand experience. Early in 2012, Nordija launched the first HbbTV application in Scandinavia - a catch-up service for the national Danish Broadcasting Corporation (DR). The application has more than 100 000 end users on a weekly basis and it's hosted in a cloud environment, provided by Nordija, which allows easy and scalable deployment, along with the ability to ensure conformity with various HbbTV enabled devices. Stop by our booth to experience the HbbTV application - an integrated part of the fokusOn middleware - and see how you can leverage your content and infrastructure by offering innovative and great looking IPTV, OTT, Hybrid DVB/IP and multiscreen video services.

**Ocean Blue Software Ltd****Hall 4 / Booth A61b (UKTI Pavillion)**

Ocean Blue Software will be demonstrating their HbbTV solution, together with Eagle Kingdom Technologies Ltd (EKT). The HbbTV plugin will be demonstrated running with a QT Webkit browser and Ocean Blue's advanced Sunrise DVB core which is mature, robust and has been deployed worldwide. With support for multi-core CPUs and multi-tasking Ocean Blue software maintains its HbbTV browser agnostic approach to the market and offers various solutions. Ocean Blue can provide complete turnkey solutions for DVB-C, DVB-S2 and DVB-T/T2. Our Voyager MHEG-5 and the associated DSM-CC / AIT handler can be provided as modules to work alongside a third party HbbTV browser.

**Opentech INC.****Hall 5 / Booth C34**

Opentech Inc. is a leading provider of Set Top Box for Broadcasting Operators and Telcos in the world. And we at Opentech have innovative products that are manufactured at a high quality factory in Korea. Also we will show HbbTV compliant STB that could access variety of service at IBC 2014.

- HbbTV Middleware embedded
- Catch-up, VOD, Enhanced TV, Interactive Advertising
- Media Player

**Opera Software****Hall 14 / Booth E20**

Stop by Opera Software's stand (E20/ Hall 14) to find out more about Opera's complete suite of tools for creating compelling connected TV experiences, including the Opera TV Store – an HTML5 application store for Smart TV devices, Opera TV Snap – an end-to-end Smart TV app creation and distribution solution, as well as an out-of-the-box HbbTV solution for displaying “red button apps and services”, including EPG, “Catch-up TV”, home shopping, interactive ads and more.

**Quadrille****Hall 2 / Booth B39**

Quadrille is a French high-tech company headquartered in the Paris region, France. Quadrille specializes in broadcast and multimedia delivery solutions over Satellite, Terrestrial, IP and cable. Quadrille has developed around its QuadriFast multimedia Push technology a solution for Video On Demand (VOD) over satellite, terrestrial, cable and IP. This solution allows operators to offer non-linear services such as Subscription VOD, Transactional VOD, Catch-up and Replay services to set-top boxes and multi-screen devices to customers with no or limited broadband coverage, based on all the existing video formats including 4K. A version of Quadrille's Push solution compatible with HbbTV 2.0 will be demonstrated at IBC on the Quadrille booth. Quadrille with partners in areas such as set-top box, middleware, CAS/DRM,

Content Management and Content Acquisition, can offer complete solutions to meet the requirements of its customers in a timely fashion.

**Rovi Corporation**

**Hall 5 / Booth A31**

Rovi is a global provider of entertainment metadata and connected media guide technologies that work with the HbbTV standard to deliver programming guidance and authorized content access to almost any smart TV, next-generation set-top box, including hybrid DTA's, or mobile device. With innovative capabilities including predictive search, personalized recommendations, and natural language interaction, Rovi is enabling service providers, device manufacturers and developers to deliver next-generation entertainment experiences that enhance user engagement, increase content consumption and optimize business performance.

**S&T (Strategy & Technology)**

**Hall 1 / Booth B22**

S&T will be showing a complete HbbTV solution for broadcasters, supporting the creation, management and playout of a full range of applications. The system is based on S&T's highly successful DSM-CC carousel generation and playout product, TSBroadcaster, and its app creation platform, OnScreen Publisher. We will be demonstrating how complex apps can be created quickly and easily, with the broadcaster having full control over layout, look and feel. We will also be showing second screen pairing between HbbTV and tablets, and parallel publishing to tablets and smart TVs.

**Screen Systems**

**Hall 1 / Booth C49**

The integrated Screen Systems, Icareus solution is the technology behind the first HbbTV deployment in South-East Asia at Vietnam TV. Our powerful new solution opens up the vast possibilities of HbbTV giving broadcasters the competitive edge on cable and IPTV operators. The HbbTV Toolbox can be hosted in the cloud or locally installed. It integrates with the delivery of video feeds into an HbbTV environment to provide an array of superb added-value viewer services and revenue generating opportunities for the broadcaster. The solution enables broadcasters to add a vast scope of additional services such as catch-up, live sports results and other live data overlays as well as sophisticated scheduled/triggered advertising and EPG integration. These features also extend to Audience monitoring, viewer ratings and social media integration.

**SeaChange**

**Hall 1 / Booth F70**

SeaChange supports broadcasters and operators with a Hybrid TV platform consisting of tools for playing out HbbTV apps and metadata via DVB, via IP, or a combination of both, including a customizable CE-HTML-based EPG app that provides access to catch-up TV content. The back-office system can generate AIT tables for signalling applications, play out HbbTV apps via a DSM-CC carousel, and publish schedule data via an online EPG publisher. SeaChange will demonstrate this HbbTV app and back-office system at IBC 2014.

**Selelevision**

**Hall 2 / Booth A36**

Selelevision is a Saudi company operating its services in all the MENA region. For its first participation to IBC, Selelevision will be launching the first Arabic HbbTV platform in Middle-East in partnership with ArabSat. Selelevision will be showing its multi-services portal (VOD, EPG, Catch-up and news) for the region. Selelevision will provide also white-labeled standard services for the Middle-Eastern TV channels to enhance the user experience (sports info and statistics, economic news, enhanced EPG, education services, etc.).

**SES**

**Hall 1 / Booth B51**

SES showcases an OTT Video-On-Demand / Catch-up TV solution, for which SES Platform Services provides the complete backend services and also developed the frontend application based on HbbTV. The viewer will be able to navigate through a timeline, select content from the past seven days and start the playback of the videos. The frontend is dynamically generated by an application server including catalogue management functionality. This solution is part of the HD+ replay offering for which SES

Platform Services is in charge of the complete technical broadcast operations (Encryption, Receiver Specification and Platform Management).

**Sofia Digital**

**5.B20 / 4.B53 / 14.G06 / 14.A20**

Sofia Digital is presenting an HbbTV showcase with Brightcove (stand 5.B20) that includes MPEG-DASH video content with DRM common encryption. On a second location we are demonstrating CI+ CAM integration with Neotion (stand 4.B53) for subscription-based services. Together with Booxmedia (stand 14.G06) we present the complete platform for multiscreen, IP-Video and Cloud PVR services. Sofia Digital's complete HbbTV service includes latest developments including Red-button services, Enhanced EPG, news and video services and examples of real-life applications developed for TRT (Turkey) with Yo!Digital. You can find them displayed at Vestel stand (Hall 14.A20).

**STMicroelectronics**

**Hall 1 / Booth F40**

ST will be showcasing HbbTV solutions on different classes of its products, including the STiH237 DVB-S2 (Digital Video Broadcast-Satellite2) demodulator already integrated in a market-ready solution. HbbTV will also be demonstrated on ST's latest ARM-based architecture devices for Set-Top Boxes. ST SoC devices support the full range of HD broadcast and multimedia codecs, hybrid, and IP standards, as well as the latest security and content-protection standards, making a perfect fit for HbbTV markets. By working with almost all the major HbbTV solution providers in the market, ST offers to its customers a range of options tailored to their products, addressing broadcast, broadband, and over-the-top services, and ready to move to Hbbtv 2.0.

**TARA Systems GmbH**

**Hall 1 / Booth A58 (Kathrein)**

Supporting HbbTV on a range of set-top box platforms, TARA System's partner KATHREIN TechnoTrend will be demonstrating HbbTV integration on Broadcom based set-top boxes at IBC 2014 (Hall 1 / Booth A58). KTT's solution integrates TARA Systems' HbbTV receiver and Opera Software's browser technology to accelerate the time-to-market for HbbTV compliant devices.

**Vestel**

**Hall 8 / Booth 2**

Vestel is specialized in developing and manufacturing flat panel TVs with integrated digital receivers, digital television recorders, DVB HD & SD and IP STB products. Vestel is showcasing HbbTV 1.5 compliant SmartTVs, satellite and SAT>IP based Set-Top Boxes supporting HbbTV. Vestel products support various DRM solutions and adaptive streaming technologies and these will also be demonstrated during the show.

**Vianeos**

**Hall 2 / Booth A36**

The French IPTV pioneer will be presenting its Octopus Middleware server (deployed on more than 6 M device) running on any HbbTV enabled STB! This permits to use all the potential and the advantages of OTT services on any connected or hybrid STB. Don't miss the state of the art GUI templates and the full WYSIWYG HbbTV portals editor. Vianeos will be showing also the porting of HbbTV browser on the Android STBs platform.

**Wiztivi**

**Hall 14 / Booth L01**

As the HbbTV standard is now supported by a 93% of connected television according to the European Broadcasting Union, Wiztivi remains an active contributor to its development. The French company is pioneer in bringing innovations to the standard: 1st HbbTV ad in the world, 1st TV-Commerce HbbTV app in Europe and global expertise regarding HbbTV/ CI+ technology. At IBC 2014, Wiztivi will be demonstrating the 1st TV-Commerce app in Europe: Teleshopping for TF1. Meet us and discover our expertise about HbbTV/CI+ developments. Get familiar with our latest HbbTV deployments such as NRJ12, Cherie 25 for NRJ Group or Eurosport HbbTV portal.