PRESS RELEASE SEMVOX GMBH

THE FUTURE OF VOICE-BASED CONTROL | ASSISTANCE SOLUTIONS FOR HOME ENTERTAINMENT, SMART HOMES AND AUTOMOTIVE – SEMVOX AT CES 2016

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At CES 2016, SemVox will show how the ODP S3 software platform enables the design of the most powerful and most intelligent speech dialog solutions and proactive assistant systems available today.

Imagine your car suggests booking a table for two at your favorite restaurant because it's your anniversary. Or what about compiling a playlist with all your most loved rock songs from one year and play it in a certain order and volume – by saying a single sentence? Or you could program the heating in your sleeping room with just a few words instead of having to click tediously through the configuration menus. If all electrical systems in a smart home, car, or in the suite of a luxury cruise ship are to obey every single word, SemVox technology makes it possible.

With dialog and assistant systems based on **SemVox ODP S3 technology (http://tiny.cc/odps3) all this – and much more – isn't a problem anymore**. SemVox enables such systems to react and interact in the most natural way possible. At the CES show in Las Vegas, USA (January 6-6, 2016), SemVox will show the most user-friendly **Software Development Kit (SDK) for dialog applications, the OPD Workbench,** with which our customers and partners can design their own intelligent control concepts based on speech and gesture input and integrate them into their products **efficiently and at low cost**. ODP S3 and the ODP Workbench allow our customers to build the most robust and advanced **embedded, hybrid and cloud-based solutions that run on virtually any operating system** for all kinds of branches.

SemVox Automotive solutions are capable of much more than recognizing speech and following simple commands within the currently activated domain like traditional systems; they also carry out any possible command independent of the current context. It doesn't matter if you're in the navigation menu, or in the calendar view, for example: The Automotive HMI of the future allows the user to interact with the system across domains, even proactively – like a true digital assistant in the infotainment periphery of the car. Of course ODP S3 always reverts to the available context knowledge and decides intelligently what the user really wants – the system can also learn from user behavior, programming itself along the way. ODP S3 based solutions can even offer to perform tasks deemed important for the user in a certain context without being prompted. For example, they can notify the participants of an appointment in case a transport delay is foreseeable. The driver doesn't have to concern him- or herself with finding out the names and matching phone numbers but is offered a range of options to contact the respective people. Such a system can, for example, compose an email and offer to send it. This reduces substantially the cognitive load of the driver and the risk of accidents.

In a **Smart Home** environment, ODP S3 is able to demonstrate its strengths, too. Instead of cumbersome menus that require multiple clicking on a tablet or other device in order to conduct a task, ODP S3-based systems offer intuitive and natural speech control. One sentence is enough and even complex commands are understood and carried out. For example, you can **use simply your voice for programming a recording** on a certain channel at a specific time or to **put together a**

playlist with advanced features such as “Compile a 25-song playlist with US Jazz songs from the 1960s, play it in order of the recording date!” Or imagine you can set the radiator in a certain room to a certain level for a defined time frame: “Turn on the heating in the bedroom to level 5 on Sunday at 6 p.m. and off again at 8 p.m.”

But this is not where it stops – **ODP S3-based solutions can do much more**. Even subsequent commands like ‘Oh yes, and switch the light on there at 8 p.m.!’ are understood. On the basis of the preceding interaction, they understand ‘there’ as a reference to ‘bedroom’ – **such intelligence is unique**! This highly comfortable way of control fully comes into effect for the first time with ODP S3 and will d**rastically increase the acceptance of smart home and home entertainment applications** and networked houses, especially in the context of the Internet of Things.

Please convince yourself of the incredible possibilities of our ODP Workbench and arrange an appointment with us at CES 2016 in Las Vegas. The SemVox stand is at the German Pavilion in the Sands Expo Center (Hall G) Level 1, Stand 81921.

To fix an appointment, please write an email to Sarah Ziegler (ziegler@semvox.de) or call: +49 681/99191980. We’re looking forward to your visit!

Find out more about ODP S3 on our homepage (www.semvox.de/en/start.html) or here http://tiny.cc/odps3.

SEMVOX | THE COMPANY

SemVox uses the latest **AI technologies** to create novel types of assistance systems and innovative voice and gesture control solutions. SemVox was founded as a spin-off of the German Research Center for Artificial Intelligence (DFKI) in 2008 and has since been dedicated to making information come alive by developing intuitive, efficient and intelligent control options. Whether speech input, gesture or touchscreen control, or even a combination of several input modes – SemVox technology gives users the freedom to choose. Human-machine interaction has never been easier!

The basis of this intelligent technology is ODP S3 (Ontology-based Dialog Platform), developed by SemVox. SemVox solutions are employed in a wide range of sectors such as automotive, smart home, home entertainment, mobile solutions, industry 4.0 and medical technology. ODP S3 enables integrators to develop their own intelligent next-generation speech dialog systems and integrate them into their existing infrastructures.

SemVox solutions and technologies can be integrated easily on end devices (embedded) or run in a cloud, making them deployable on all platforms. With more than 100 years of combined experience, SemVox also provides technology consulting services and supports customers in transforming ideas into innovations.

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