Early 2013.

Artis zeego and Artis zee ceiling with Maquet OR table in the end of the procedure.

The success of the intervention can be verified right in the OR.

Fewer shifts during the procedures, less radiation because of the rooms. With this new hybrid OR, patients will benefit from Germany with altogether 9 fully digital connected operating centers. Ludwigsburg, Germany – meanwhile this is the sixth installation worldwide that combines an Artis system with a new OR table and Siemens Artis zeego. With the installation one of the most modern surgical centers in Germany will open.

Since 2010, Siemens optionally delivers Artis zeego or Artis zee ceiling with the TruSystem 7500 OR table by Trumpf. In May 2011 another hybrid operating room with Trumpf’ s OR table and Siemens Artis zeego went live at the clinical center Ludwigsburg, Germany – meanwhile this is the sixth installation worldwide that combines an Artis system with a Trumpf OR table. The room at the clinical center Ludwigsburg is located in a brand new building as part of a 35 million euro project to build one of the most modern surgical centers in Germany with altogether 9 fully digital connected operating rooms. With this new hybrid OR, patients will benefit from fewer shifts during the procedures, less radiation because of faster and fewer acquisitions, and fewer complications since the success of the intervention can be verified right in the OR at the end of the procedure. Siemens is also going to offer a similar integration of the Artis zeego and Artis zee ceiling with Maquet OR tables in early 2013.

As one of the most modern hospitals not only in Turkey but the entire region, the American Hospital in Istanbul continues its leading role in hybrid operating room practices with the recently installed Siemens Artis zeego multi-axis robotic angiography system. Thanks to the Artis zeego system, both advanced hybrid practices and standardized cardiologic procedures can be performed. In the new procedure room that has an angiography operating table that tilts in four different directions, a laminar flow unit and anesthesia device pendant, the latest technological innovations, such as a 56” Artis zee large display, an integrated Intravascular Ultrasound (IVUS), an integrated hemodynamic recording system (Siemens AXIOM Sensis XP), etc., are used. At the center where TAVI (Transcatheter Aortic Valve Implantation) procedures have recently begun to be performed with the use of the Artis zeego system and Siemens syngo DynaCT Cardiac software, procedures can be completed more rapidly and reliably with the comfort introduced by Artis zeego and the wide movement capability of the C-arm. The American Hospital is currently able to perform interventional procedures, thanks to the hybrid system it has recently acquired, as well as ongoing medical, technical and technological developments. Operating in Istanbul, Turkey since 1920, the American Hospital offers the latest technologies to aid the hundreds of millions of people in the region as a hospital held in high regard not only in Turkey but in neighboring countries as well.

The versatile Magnus OR table* from Maquet will be available together with Artis zeego and Artis zee ceiling. With the existing family of Artis tables, Trumpf’s TruSystem 7500 tables and the Magnus table to follow, Siemens can provide three fully integrated table systems. This means synchronized C-arm and OR table movements, 2D and 3D imaging, all with a single integrated operation module. And the right table for surgical requirements in the hybrid OR.

The key benefit of the new solution is the multidisciplinary use of the hybrid OR – which means it will allow for both interventional imaging and for open procedures where extremely flexible patient positioning may be required. The Magnus OR table is fitted with exchangeable table tops – a fully radiolucent carbon top (Fig. 2) as well as a highly flexible, segmented table top (Fig. 1). The latter allows surgeons the most appropriate patient positioning, including complicated positions, occurring especially in orthopedics and neurosurgery. The Artis zeego is the only robotic C-arm-system on the market that can adapt to the complete height adjustment of the table. The multi-axis robotic system also follows the movements of the operating table. It flexibly adjusts to even complicated positions of the segmented table top. This flexibility also allows free access from any side, with a comfortable space for the anesthetist and his equipment. If open procedures without imaging equipment are performed, Artis zeego’s multiplex park positions allow for maximum space in the OR field. Equipped with an additional floating carbon table top, the integrated solution enables full cath lab functionality. The table top provides 360° radio-translucency for superb X-ray images, including 3D. A transport system ensures the easy exchange of the table tops. The patient can be prepared and positioned on the table top in the induction area ensuring ahead of time maximum efficiency for the OR.

First clinical user tests of the integrated solution with Artis zeego are anticipated to start in May 2012; general availability is planned for December 2012. The integration with Artis zee ceiling is scheduled to be available in spring 2013. Of course Siemens will continue to offer the tried-and-true family of fully integrated Artis zee tables. They are available in three different versions: the standard table, table with tilt, and the OR table with tilt and cradle. The carbon table tops allow for high-end imaging, including 3D. The Artis table family is the solution of choice for cardiac and vascular procedures providing an extensive longitudinal travel range, full body coverage and a free floating radiolucent table top.

* WIP. The information about this product is preliminary. The product is under development and not commercially available in the U.S., and its future availability cannot be ensured.