

Press release
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Zumtobel presents its new medical supply system as part of its Green Hospital partnership



B1 | Installation of Zumtobel's newly developed integrated medical wall system takes only two to three hours as opposed to two to three weeks, as previously required.

A freshly filed patent application sees Zumtobel unveiling its new medical supply system for patients' rooms for the first time. The integrated IMWS wall system, including lighting and all necessary ports for safe patient care, was jointly developed with Germany's biggest hospital operator Asklepios. As a partner in the Green Hospital Programme set up by Asklepios in which companies work together in order to make clinics more environmentally friendly and more homely for patients, Zumtobel is mainly responsible for the patient-room area. Because of its holistic understanding of lighting solutions, Zumtobel is also devising innovative lighting solutions for all work and lounge areas in healthcare buildings as part of this initiative.

Zumtobel Group CEO Dr. Harald Sommerer explains the project: "We are glad to be able to contribute our know-how to the Green Hospi-

tal Programme. We view light and lightings not merely as a technology-driven product, but as an element that is just as important to human health as fresh air and clean water. That is why we feed the knowledge acquired from research into health and therapy-related issues into our product development cycle. We focus mainly on striking a perfect balance between energy-efficient technology and good lighting quality."

The IMWS medical supply system is an innovative design solution for tomorrow's "patients' rooms". It is as low profile as possible, devoid of any sharp edges, contemporary styled and available with a selection of various optics and materials. Building on its many years of experience in hospital projects, Zumtobel has developed a supply unit that is supplied and installed as ready-made modules. Zumtobel has built IMWS as a turnkey system, thus making



B2 | The IMWS medical wall system combines all the elements – from design to lighting technology – that are needed to create a calm and efficient patient room interior.

the need for time-consuming coordination between individual trades such as drywall builders, electricians, painters and gas engineers a thing of the past. This means that supply systems can now be installed in patients' rooms significantly faster – in just two to three hours per bed as opposed to two to three weeks required with traditional drywall construction techniques.

Zumtobel Head of Sales and Product Manager Harald Schwarzer sums up the achievement: "The Green Hospital Programme gave us the opportunity to think one step ahead and develop a product that will deliver optimal support for modern hospital facilities into the future. With this innovative, wall-mounted medical supply system, we have not only managed to ensure professional, medical care in a homely, pleasant atmosphere, we have also succeeded in providing hospital operators with a medical product that has huge guaranteed potential in terms of flexibility and efficiency."

This unit is supplied on a one-stop basis and combines all the ports that are crucial for patient care, from electricity and medical gas supply through to lighting. The system has achieved certification as a medical device. All relevant ports are wired or connected to piping, and can

be quickly connected to the building system from a central connection point. Electrical connections are made using simple plug-in connectors. All outlets and supply points are easy to access and ergonomically located. Zumtobel attaches particular importance to hygiene requirements. Because the luminaires are built into the modules – for room lighting and reading lights – are flush fitting, it is easy to clean and disinfect the medical supply unit. The extruded aluminium sections and decorative elements fit together almost seamlessly and are therefore equally easy to keep clean.

Patients are tomorrow's health consumers who want to feel at ease in hospital rooms as well; they expect more than just professional medical care. Light, colours, the use of environmentally compatible materials – all these factors contribute to give patient rooms an ambience where patients can feel secure and at ease. Through scientific studies, Zumtobel has demonstrated that illumination which provides well-balanced lighting quality appropriate to particular needs can make a decisive contribution towards convalescence and foster a sense of well-being. The company has used this knowledge to develop two luminaires that can be integrated into



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the IMWS supply system. The room luminaire is flush fitted into the decorative element. It guides light indirectly to ensure uniform room brightening in conformity with applicable standards. The reading light is fitted in a 45° inclined surface in the wall system's aluminium cover. Its direct asymmetrical beam pattern provides patients with sufficient light for reading. This narrow-beam, glare-free light prevents people

in adjacent beds or visitors being distracted. Various lamps ranging from T5 to LEDs can be fitted. To make a real push for efficient energy use, it is also possible to integrate an intelligent lighting control system that can dim luminaires appropriately or control them, depending on the amount of available daylight.

Zumtobel. The Light

Background information: "Green Hospital Program"

The Green Hospital Program of the Asklepios Clinics and their partners advocates sustainable responsibility for the environment, medical prevention, and a future-proof ecological way of dealing with energy when building new hospitals or refurbishing existing clinics. The programme as such is unique in Germany and Europe. The focus is on a number of research and development projects in the areas of Green Building, Green Healthcare, Green Patient and Green Healthcare IT, emphasising the programme's innovative power. By advocating efficient utilisation of natural resources for hospital operations, the development and use of technologies for renewable forms of energy as well as the use of ecologically and medically beneficial materials for hospital buildings, the Green Hospital Partner Program aims at sustainability with a focus on ecology, taking responsibility for the healthcare system's future in terms of quality, for the protection and benefit of both the environment and patients.

More information:



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