iDOM House
United Kingdom

Located in Bratislava, on the banks of the Danube and in Slovakia's up and coming "Golden Triangle" region, is a 24-carat, Crestron-controlled gem: the iDOM house. iDOM is an eco-friendly, connected home with a conscience and the first of its kind in central Europe.

Opening the door to this stunning property reveals a wealth of impressive technological features including integrated lighting, security control and high-efficiency HVAC. For a property built on the site of the former home of Prof. Oto Fervenczy, the famous Slovak composer, this house remains true to its musical legacy and boasts an AV system of which any musical impresario would be proud.

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Masterminded by Bratislava-based BaSys CS Ltd, the iDOM house is an intelligent home showcase for an increasingly technology-driven Slovak public as well as a model of energy efficiency. Incorporating a wealth of sustainable energy and related technologies, iDOM demonstrates that Crestron-controlled electronic systems and modern design techniques play a major role in lowering a property's energy consumption. "In order for this project to realize its environmental potential, we needed an innovative and highly evolved control system," explained Mario Lelovsk?, director, BaSys CS Ltd. "The advantages of the Crestron system are considerable, allowing highly precise, seamless control of the entire home. This project demonstrates very well the extensive capabilities of Crestron solutions and its environmental and ecological potential."

Every audio, video and environmental element of the iDOM house is integrated and accessible through the Crestron system, powered by a core PRO2 processor. Seventy-two lighting circuits are operational via compact TPS wall-mounted touchpanels located throughout the property. Thirty exterior shades tilt in accordance with the position of the sun to minimize the green house effect in the summer and to offer an additional source of heat in the

winter. The under floor and wall heating system is Crestron-controlled and powered by a combination of solar panels and a geothermal heat pump that also cools air in the summer months for circulation via ceiling units. A recuperative heat exchanger provides the building with fresh air as well as an additional 75 percent energy savings through the capture of "lost" heat.

Security is provided by lighting, interior and exterior CCTV and door entry sub-systems which control the garden door, garage gate and main entrance. Pictures from the nine video cameras located throughout the property are accessible via TPS touchpanels and can in turn be relayed to any TV or plasma in the house.

Wireless Crestron touchpanels control the iDOM's impressive home cinema, which features top-of-the-line components including a plasma, audio system and speakers. iDOM boasts two Crestron CNAMP16x60 home audio distribution systems, each providing 16 channels of world-class audio amplification for distribution to the speakers in eight stereo room zones. These systems work in harmony with a Crestron PAD8 audio distribution processor that allows any audio parameter or device function to be controlled using touchpanels. An impressive media server allows the home-

owners to collect, manage and enjoy their entire digital movie and music collection, not just in the home cinema but throughout the property, even the swimming pool.

Additional features include a waterproof LCD monitor, built into the glass wall at the end of the pool; specialized LCDs that are integrated with the bathroom mirrors, and fingertip temperature and humidity control of the sauna and steam rooms, providing optimum occupant comfort. Even the sprinklers that irrigate the garden are electronically controlled and activated.