

# iDOM House United Kingdom

Corporate | **Residential** | Education | Government | Hospitality | Transportation | Health Care | Cultural and Event Centers | Commercial Lighting

Located in Bratislava, on the banks of the Danube and in Slovakia's up and coming 'Golden Triangle' region, is the iDOM house - a 24-carat, Crestron-controlled gem and the jewel in the crown of this impressive property is undoubtedly its impeccable environmental credentials. Yes, iDOM is in fact an eco-friendly sparkler - a low energy, connected home with a conscience and the first of its kind in central Europe.

Open the door to this stunning property and you reveal a wealth of impressive technological features including integrated lighting, security control and high-efficiency HVAC. And, 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 audiovisual system of which any musical impresario would be proud!

**Incorporating a wealth of sustainable energy and related technologies, iDOM demonstrates that Crestron-controlled electronic systems and modern design techniques can play a major role in lowering a property's energy usage.**

With such an impressive list of custom electronics technologies, you might be forgiven for thinking that running this house would pack a serious carbon punch, but think again. Masterminded by Bratislavabased BaSys CS Ltd, the iDOM house is not only an intelligent home showcase for an increasingly brand-aware, technology-driven Slovak public, but is also a demonstration of an eco-friendly ideal. Incorporating a wealth of sustainable energy and related technologies, iDOM demonstrates that Crestron-controlled electronic systems and modern design techniques can play a major role in lowering a property's energy usage. "In order for this project to realize its environmental potential we needed an innovative and highly evolved control system." Explained Mario Lelovský, director, BaSys CS Ltd. "The advantages that the Crestron system afforded were considerable, allowing highly precise, seamless control of the entire home automation set up. 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 this innovative Crestron system which is powered by a core Crestron PRO2



processor. From the 72 lighting circuits that are operational via compact TPS wall-mounted touchpanels located throughout the property, to the 30 sections of exterior shades that 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 underfloor 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 a savings of additional 75 percent of energy by capturing '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 that features a top-of-the-range plasma, audio system and high class loudspeakers for top stereo sound. iDOM boasts not one but two Crestron CNAMP 16 x 60 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

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PAD8 audio distribution processor that allows any audio parameter or device function in the property to be controlled using touchpanels. And, what self-respecting home entertainment system would be complete without the impressive Kaleidescape system which allows the homeowner to collect, manage and enjoy their entire digital movie and music collection not just in the home cinema but throughout the property, even in the swimming pool!

Yes, even iDOM's wet areas have their share of custom electricrky with a water proof LCD monitor integrated into the glass wall at the end of the pool for your viewing pleasure, LCD TV Ad Notam integrated into the mirrors in the bathrooms and fingertip temperature and humidity control of the sauna and steam rooms for optimum occupant comfort. Even the sprinklers that irrigate the garden are electronically controlled and activated. Yes, this innovative Crestron system is green-fingered in every sense!

