

MONDO

THE INTERNATIONAL PUBLICATION FOR TECHNOLOGY IN ENTERTAINMENT

MARCH / APRIL 2022

PACHA IBIZA
MULTIPURPOSE VENUES
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Kvant Show Production

Kvant Show Production is a division of the KVANT group with nearly 30 years of experience with laser displays, and multimedia shows worldwide, offering laser and multimedia show design and production services, visual art installations, tour support, equipment hire worldwide, and more. "Over the years, we have been presented with many opportunities to embrace exciting challenges and experiences," said Pelikán. "Being part of teams in entertainment shows of all shapes and sizes for various brands has exposed us to many different approaches. This has helped create who we are today – an award-winning show production team. "We specialise in combining a wide variety of multimedia elements into one cohesive show timeline," he added. "Our success is based on top-quality equipment in the right hands. Our team of selected professionals bridge the gap between technical expertise and visual art. Their dedication to excel in this field means that they always put 101% of their effort into the job, making the best show possible."

NYE 2021 in Belgrade

The New Year celebrations in prominent metropolitan cities tend to be always magnificent and, if possible, unique. Unfortunately, this wasn't the case in many European cities this year due to the ongoing restrictions. Luckily for Serbia's capital city of Belgrade, the situation turned out to be very different.

The Kula Tower is a modern high-rise building that has not been finished yet, situated on the banks of the Sava River in the fanciest part of the city – Belgrade Waterfront. With its height of 168m over 42 floors, it will most likely become the tallest building in the region. "We made the decision and accepted the challenge," Pelikán said of the project. "We participated in an international contest, won it, and then had to prove that we could do it."

In cooperation with renowned Serbian partner SkyMusic Production and top-class firework company Fireworks by Grucci from the US, Kvant assembled a stunning multimedia show with a massive firework display.

According to Pelikán, the hardest part of the operation was installing all the equipment onto the tower's facade, which was still undergoing

works in progress, with several teams of workers present. Within 10 days, the climbers installed dozens of purpose-made and structurally certified fitting brackets to which all the lighting fixtures were attached afterwards. "We tested the functionality and water resistance of all the equipment and connections during this phase," he noted.

At the same time, technicians were preparing laser display projectors and moving heads and descending them on ropes in special protection covers down to required locations. The rest of the team prepared all the signal and power cabling inside the building. "In the end, we ran the two 600m lines of the main-signal optical cable to the central control room," he added. All of this happened with 500 builders working on-site, during building works in full swing, in all kinds of weather conditions and under strict health and safety regulations.

Kvant Spectrum and Atom full-colour laser display systems with an optical power output of up to 30W were used to accomplish the desired effect. Every laser projector was fitted with a rain cover, protecting the device from rain, snow, frost and firework residues. Finally, after acclimatisation, the Kvant team tested every system several times and fine-adjusted its output for optimal performance. This was essential for the NYE and the six weeks following the entry to 2022, when several different projections and shows happened, each following a different theme. "Our video developers tailored all the content, fitting nicely onto permanently installed screens on the two tower's facades," Pelikán recalled. "Of course, any of the content was not to be seen by the public before the event. So, we made all the zoning, testing and show adjustments during nights at strictly set times."

Also, due to proximity to the town's international airport, the lighting and lasers had to be dealt with 100% care regarding safety.

The show and its elements, including lasers, lighting, fireworks, video and sound, were time-coded, so there was no space for human-made mistakes in synchronisation. The show was broadcast live by several Serbian TV stations and screened on three large stages in the city. After the show, the lasers, moving lights, and some video content stayed running long into the night, drawing attention to the landmark from far away. ■

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