

OVER 27 YEARS OF EXCELLENCE IN LASER AND MULTIMEDIA SHOW ENTERTAINMENT

FESTIVAL OF LIGHT

KVANT[®]
EVENTS · MIDDLE EAST 

PAGE NUMBER

3-14

LASER INSTALLATION

OUTDOOR

15-22

3D VIDEO MAPPING

OUTDOOR

23-32

ART INSTALLATION

OUTDOOR

33-36

INTERACTIVE INSTALLATION

OUTDOOR

37-40

360° VIDEO PROJECTION

OUTDOOR

INDOOR

41-48

INTERACTIVE INSTALLATION

OUTDOOR

INDOOR

49-66

ART INSTALLATION

INDOOR

67-70

LED SCREENS

INDOOR

71

CONTACT

FESTIVAL OF LIGHT

The goal of the Festival of Light is to popularize the role of the creative industry and photonics - science and technology working with light - for life, work and entertainment in the modern city. The intention is to provide a platform for the mutual sharing of different approaches to the common central theme of "Light", including installations and performances

inspired by the physics of light, applications of the most modern technologies of light generation, or technologies using modern visual and creative procedures. Part of this intention is also the presentation and support of innovative and environmentally friendly lighting technologies using LED, laser technologies, and optical fibers, as well as the application of the most modern

display and communication means. If the 20th century was considered the golden age of physics and electronics, the coming 21st century can rightly be considered the coming century of photonics. The intention of the Festival is therefore to provide a platform for the mutual sharing of different approaches to the common central theme of "Light", including installations

and performances inspired by the physics of light, applications of the most modern light generation technologies or technologies using modern visual and creative procedures. It is based on installations of various nature that uses light as a medium to mediate perception, interaction or experience.

OUTDOOR

VIDEO

LASER BEAMS

Laser installation



The sky lasers can precisely target any location at soaring heights, making it stand out from great distances in every direction for everyone to see. Our 400 W RGB single-beam sky laser is specifically designed for architectural applications and landmark illumination.

The high-powered static-beam lasers, known as the sky or landmark lasers, is our response to the growing global demand for exceptionally bright lasers. These lasers are perfect for accentuating notable landmarks, structures, and buildings.

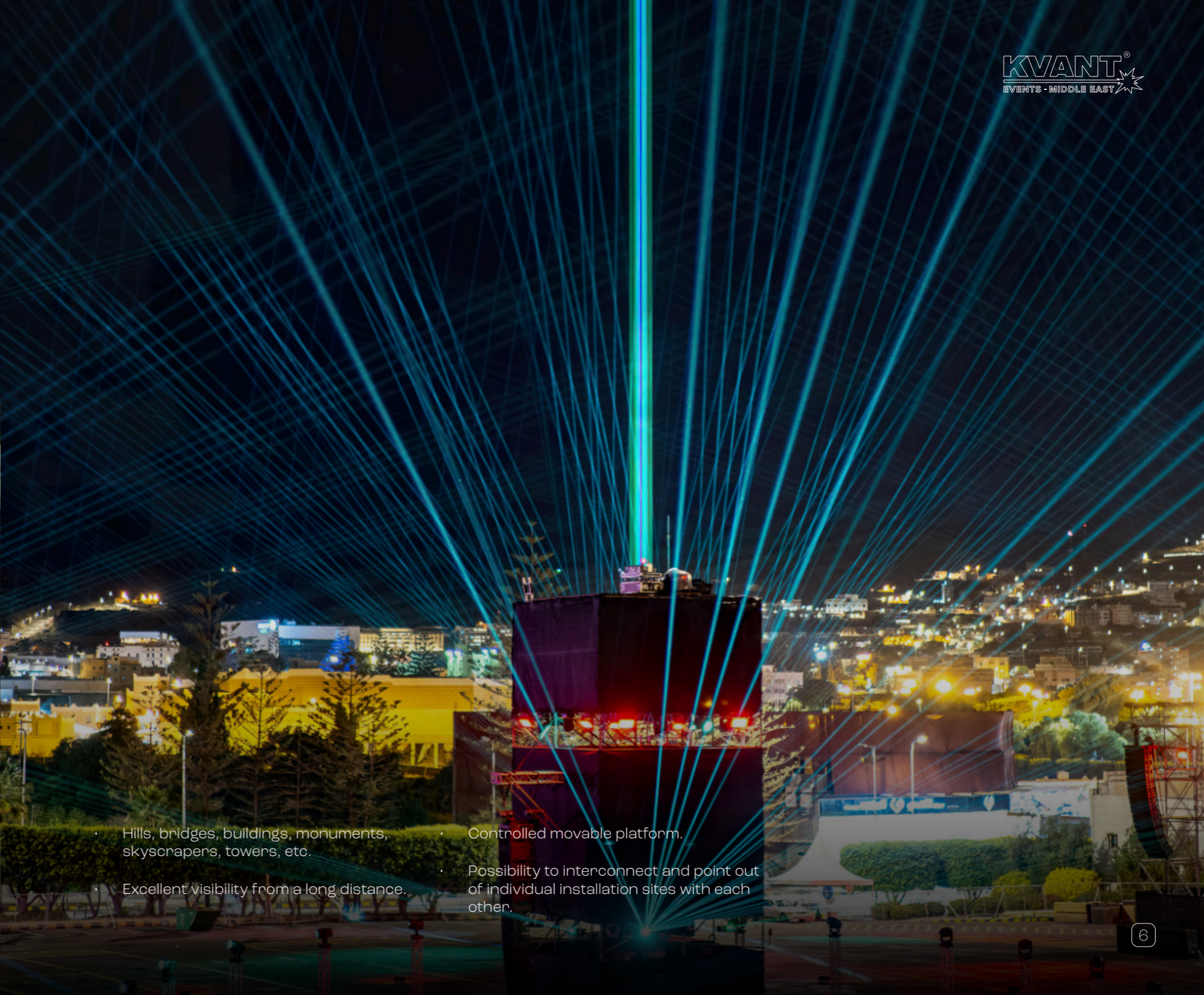
The beam emitted by the systems captures attention from several kilometres away, adding an impressive touch to both natural and manmade structures, making them even more unique, attractive, and captivating.



OUTDOOR

LASER BEAMS

Laser installation



• Hills, bridges, buildings, monuments, skyscrapers, towers, etc.

• Excellent visibility from a long distance.

• Controlled movable platform.

• Possibility to interconnect and point out of individual installation sites with each other.

OUTDOOR

VIDEO



LASER BEAM SHOW

Laser installation



A laser display show is usually an indoor or outdoor audio-visual performance with one or more laser display projectors synchronised to music.

Clients quite often want their event or place to be seen from far away and good quality and the powerful laser beam is probably the most visible medium when it comes to long-distance advertising.



OUTDOOR

LASER BEAM SHOW

Laser installation



Cities, towns, public areas, etc.

With or w/o music.

Possibility to use a lot of top-class laser display systems with optical power range from 30 to 400 W.

OUTDOOR

VIDEO

LASER MAPPING

Laser installation



Laser mapping is a type of laser graphics projection, which uses laser display systems, precise measurement and programming to map an object.

Through this process, the objects' features (contours, surfaces and fine details) are brought to life.



OUTDOOR

LASER MAPPING

Laser installation



- Buildings, palaces, and various modern and historical objects.
- On-site programming according to object's shapes.
- With synchronized music.
- AWARDS: ILDA 2022 – 1st Fine Art Laser Display
- Powerful laser display systems.



OUTDOOR

VIDEO



PRESIDENTIAL PALACE

3D video mapping



3D video mapping is a unique 3D projection technology that can use any surface as the screen for video projectors. Surfaces of any shape, size, or complexity can be used, such as the facades of new

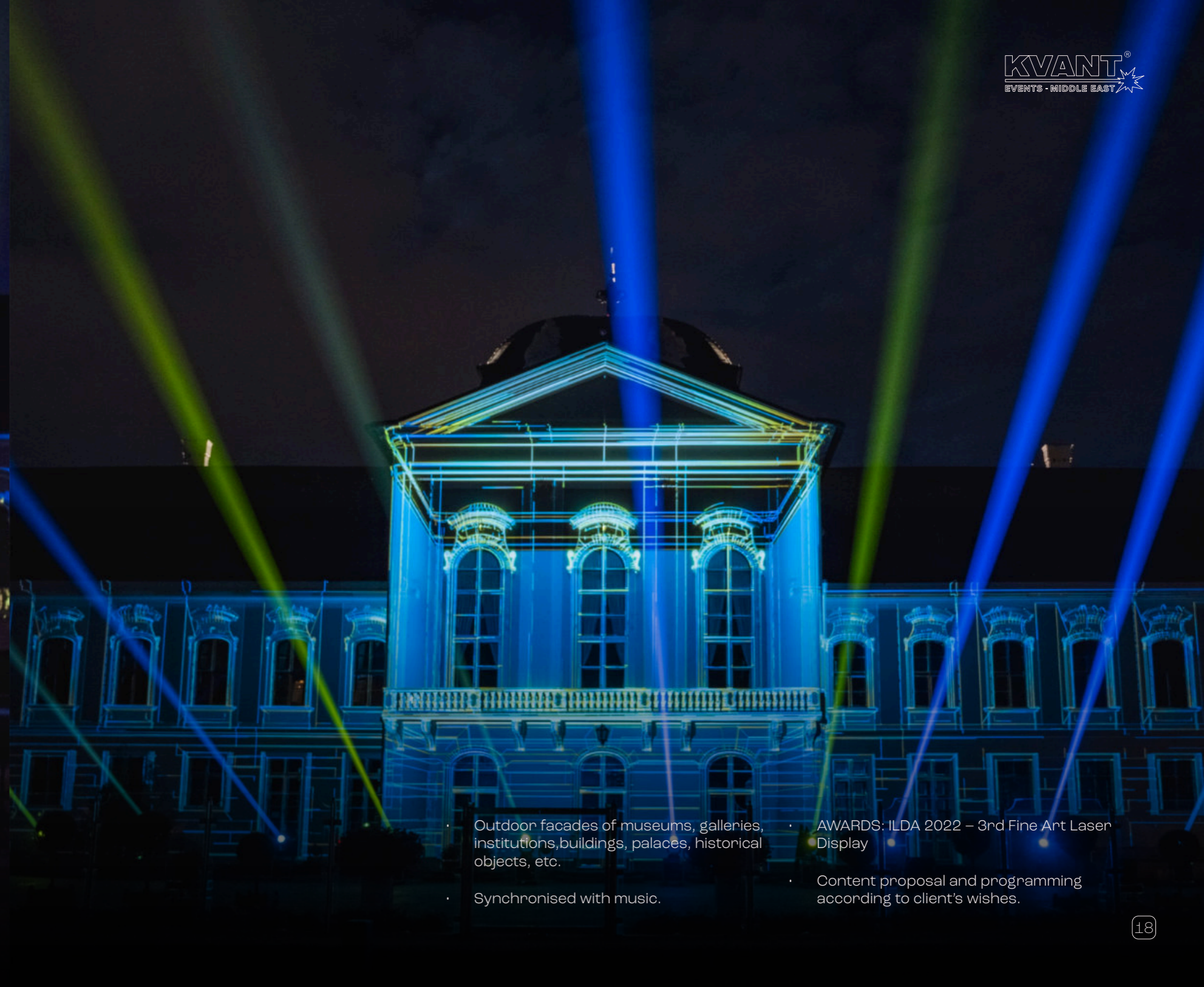
and historical buildings, churches, castles, town halls, towers, as well as other objects, such as sculptures and fountains. The main goal is to bring an object to life and to tell a story.



OUTDOOR

PRESIDENTIAL PALACE

3D video mapping



• Outdoor facades of museums, galleries, institutions, buildings, palaces, historical objects, etc.

• Synchronised with music.

• AWARDS: ILDA 2022 – 3rd Fine Art Laser Display

• Content proposal and programming according to client's wishes.



OUTDOOR

HISTORICAL BUILDINGS

3D video mapping



Our video projectors have the luminous flux necessary for high-quality video projection and 3D video mapping. Our equipment includes a wide range of brands, models and types of video projectors, so we have no problem supplying multiple projections to multiple events at the same time. All of our video projectors can be prepared for

outdoor use, even in the event of adverse weather conditions (rain, wind, snow). To protect them, we always use tents with waterproof coverings. To achieve high-quality, fast, and error-free signal Transmission up to a distance of 500 m we use optical cables from trusted manufacturers.

OUTDOOR

VIDEO



HISTORICAL BUILDINGS

3D video mapping



VIDEO



- Museums, galleries, institutions, buildings, palaces, historical objects, castles, chateaus.
- Famous and suitable for any kind of old and historical buildings.
- Nowadays popular form of projection for all kinds of age groups of visitors.
- The main goal is to bring an object to life and to tell a story.

OUTDOOR

WATER SCREEN PROJECTION

Art installation



The water screen is a thin curtain of water droplets sprayed at high pressure, which acts as a projection screen.

The water can be sprayed from above or below. The droplets are smaller than the projected pixels, allowing them to be clearly illuminated by light, laser, and video projection.

The image, effects or animation are projected in the form of a floating and moving hologram.



OUTDOOR

WATER SCREEN PROJECTION

Art installation



- Bays, lakes, rivers, fountains, water reservoirs.
- With music.
- Cooperation with artist.
- AWARDS: ILDA 2023 – 1st Fine Art Laser Display

OUTDOOR

VIDEO



ALICE IN WONDERLAND

Art installation



Various display devices such as laser projectors, LED tubes, spotlights, video projectors, and touch screens present the installation's topic visually and help make it more engaging.

If we add some form of interactivity to this, the installation comes alive and communicates with its audience.

Our group consists of professionals from a variety of backgrounds with vast experience developing our own products.



OUTDOOR

ALICE IN WONDERLAND

Art installation



Public areas, parks, gardens, courtyards, etc.

Static, dynamic, and interactive light installations that will combine advanced technologies, contemporary art, and modern scientific and technical solutions.



OUTDOOR

ALICE IN WONDERLAND

Art installation



· Attractive for small children with families.

· With or w/o music.

OUTDOOR

VIDEO

DANCE WITH ME

Interactive installation



Multimedia installations are visually stunning as well as educational. We combine magic, mystery, art, light, physics, play, education, and science to create a truly exceptional installation.

Interactive installations are suitable for various events, such as festivals with the theme of light, optics, etc., typically presented as art installations. We can also provide our equipment in the form of rental for installations and artists that require these services.

Using an electric piano and its tones, we will control the movement of the lights on the building, and with our movement, we will influence the visuals of the laser projection – the only thing needed is to record our dance steps and watch the animated versions of us dance on the facade.

OUTDOOR

DANCE WITH ME

Interactive installation



Buildings, skyscrapers, towers, etc.

Interactive - laser projection with synchronized music according to visitors' movements.

OUTDOOR / INDOOR

INFLATABLE BALLS

360° VIDEO PROJECTION



Inflatable balls (spheres) are ideal for both exterior and interior use. It is recommended to use for a temporary installation because they have to be permanently under air pressure.

And, once the setup is done, they have to keep the right position. In case of permanent installation, we can offer plastic balls with various diameters.

360° video projection with the use of 4 pieces of video projectors with lenses is the best advantage to make a spectacular projection.



OUTDOOR / INDOOR

INFLATABLE BALLS

360° VIDEO PROJECTION



- Public areas, squares, halls, amusement parks, scientific events, etc.
- Solar system planets (real projection), exoplanets (abstract projection).
- With or w/o music.
- Indoor - permanent installation (plastic balls).
- Outdoor - temporary installation (inflatable balls).

OUTDOOR / INDOOR

SPACE COMMUNICATOR

Interactive installation



- Broadcasting of information by means of a laser beam.
- Sending a real message into a space.
- The website is an archive of sent messages and a filter for inappropriate posts.
- The possibility of pointing to a specified position in space.



OUTDOOR / INDOOR

SPACE COMMUNICATOR

Interactive installation



- Galleries, exhibition halls, shopping malls, public events, amusement park, etc.
- Cooperation with artist (Asot Haas).



- Safety according to laser beams – protected against eyes. Not harmful to the skin.
- Interactive – touchable installation.

OUTDOOR / INDOOR

VIDEO



LASER HARP

Interactive installation



Since the founding of KVANT, one of our major activities has been developing and distributing teaching aids, various special equipment, and more recently, interactive installations.

We create a fusion of entertainment, art, and education. We strive to make science accessible and fun for a wide audience. You can find many of our multimedia installations in science centers and parks, focusing mainly on the field of optics and physics.

Our interactive exhibits allow visitors to witness physical phenomena presented in a way that even young children can understand.



OUTDOOR / INDOOR

LASER HARP

Interactive installation



- Public areas, squares, shopping centers, public events, and amusement parks.
- Interactive – touchable. The harp generates tones by intersecting the laser beams with fingers.

- Outdoor or indoor use.
- Safety according to laser beams – protected against eyes. Not harmful to the skin.

INDOOR

VIDEO



ASOT HAAS

Art installation



- Connecting works of art realized using the most modern technologies and materials with light and sound.
- The connection of art with science and modern technology.
- With music.
- Galleries, exhibition halls, shopping malls, etc.
- Cooperation with artists (Asot Haas).
- AWARDS: MUSE 2022 – Gold Exhibition Experience



INDOOR

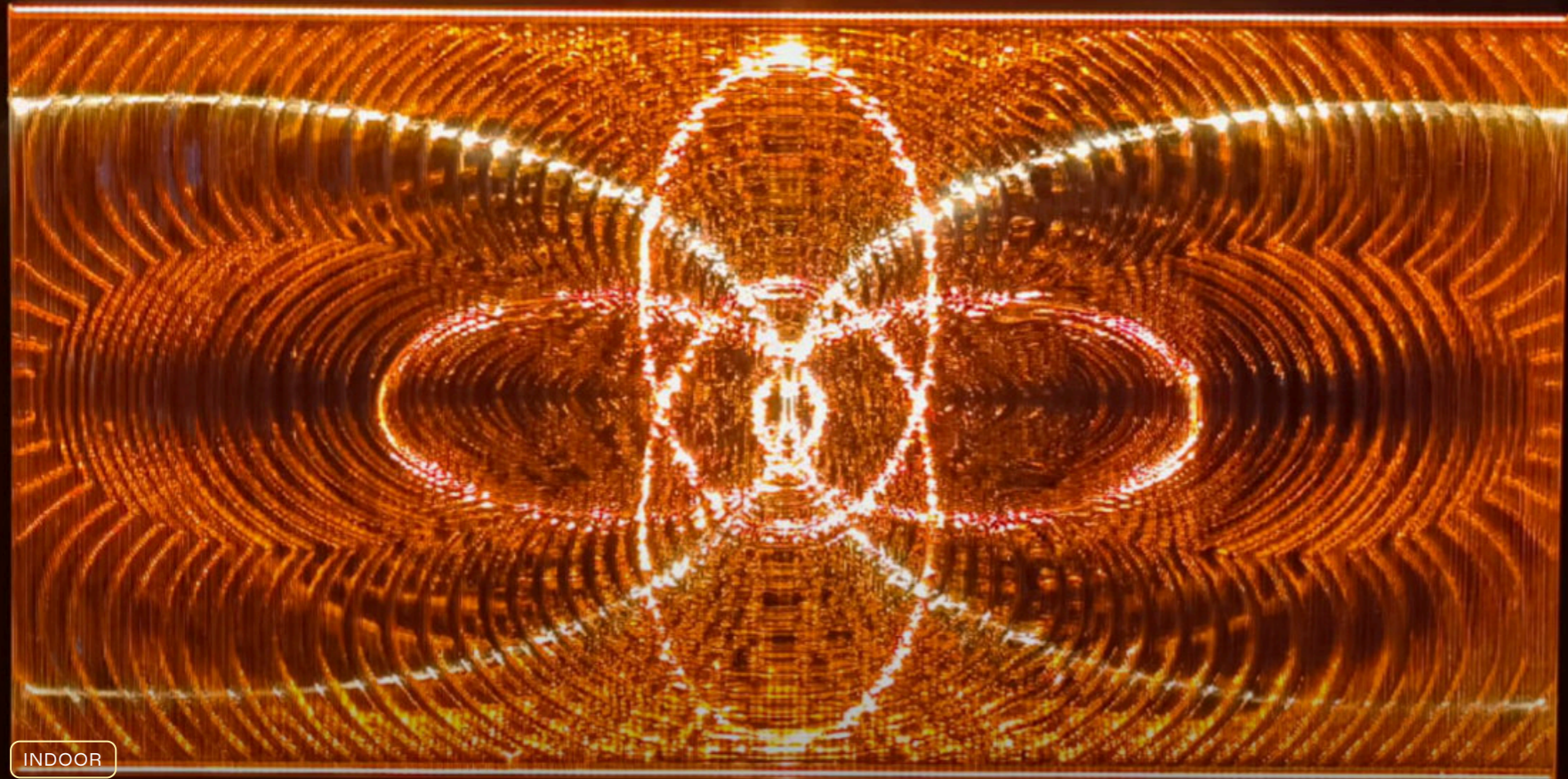
ASOT HAAS

Art installation



RESONANCE OF LIGHT (animation) is a simulation created from a code that generates a 3D space from a 2D plane. The animation itself comes from 20 different computations. Each involves four CMYK plates, where viewers have the chance to see the relationships between the colors shining from the lights. These lights are subsequently animated. The calculations are the artist's code and produce Objects 5 and 6.

EYE (light object, plexiglass, aluminium) An optical light object created from a distribution of circles. The code is predetermined, similar in its simplicity to Fibonacci numbers. Each circle has a different thickness and range so that, in essence, a 2D plane is projected in a 3D space.



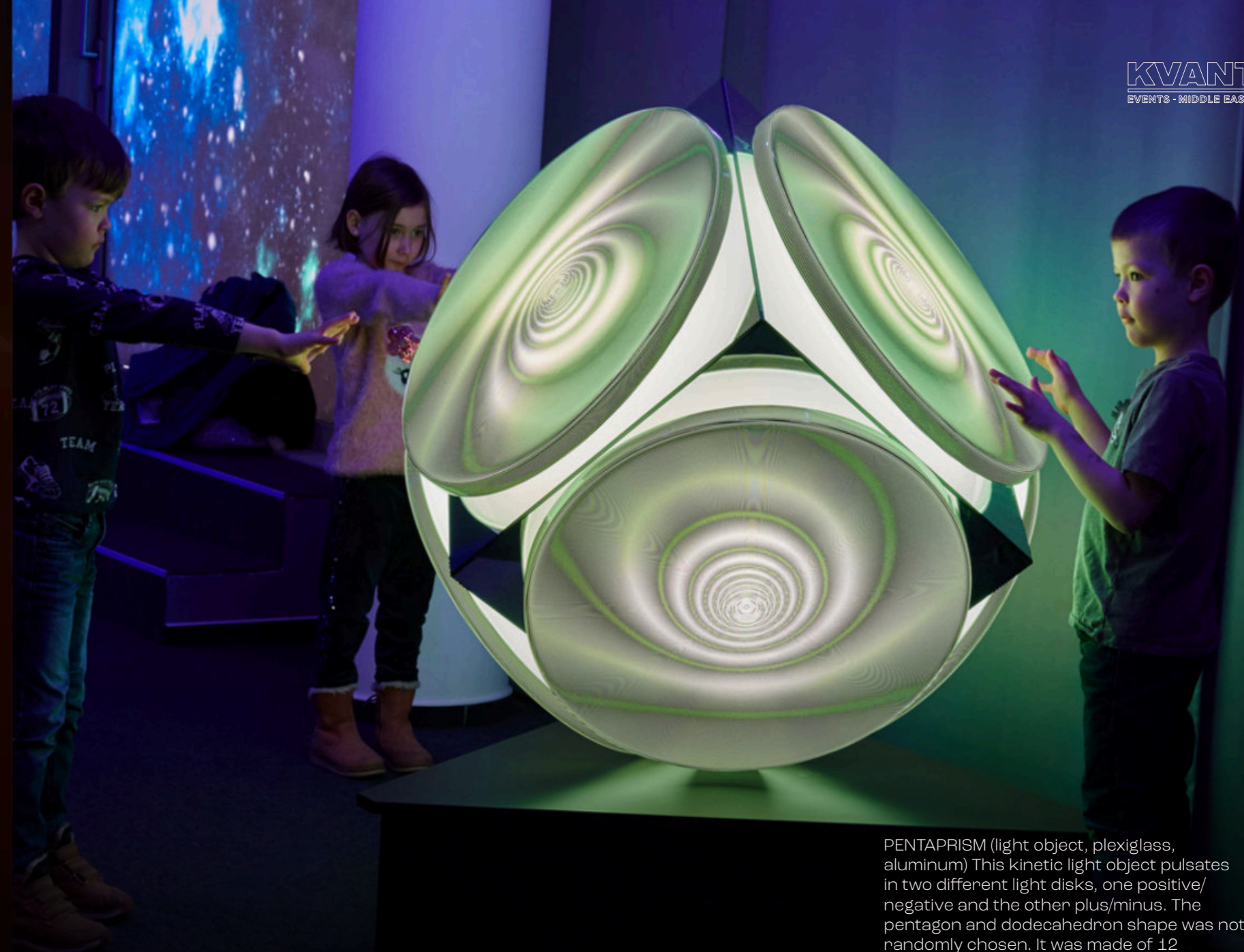
INDOOR

ASOT HAAS

Art installation



RESONANCE OF SOUND (plexiglass, aluminum, LED). An acrylic light object in relief is created from scanning sound, its resonance, and subsequent visualization, the actual epicenter of the resonance and its subsequent propagation in space is registered over a specific spacetime.



PENTAPRISM (light object, plexiglass, aluminum) This kinetic light object pulsates in two different light disks, one positive/negative and the other plus/minus. The pentagon and dodecahedron shape was not randomly chosen. It was made of 12 surfaces with a ratio of 6:6. Even with the basic shape of a pentagon, the object itself is a so-called "balance of counterpoints".

INDOOR

VIDEO



SPACE & LINES

Art installation



SPACE is an astrological installation placed in the traditional top-down white, red, and blue scheme depicting what is happening in our universe. Astrology is the study of cyclical influences whose source no one has any idea of. They have been given names based on the current position of the stars in the sky. The Twelve Signs of the Zodiac are illustrated in a circle of blue rays within

another circle of red rays. Altogether 52 red rays reflect the passage of time and the cyclical nature of a year, which in astrology repeats itself. The inference image illuminated in the center of the circle depicts the unknown these influences imply. They may come from another dimension, dark matter, implicitly an information series, or something else altogether.

INDOOR

VIDEO



SPACE & LINES

Art installation



- Galleries, exhibition halls, shopping malls, etc.
- With or w/o music.
- Cooperation with artists (Kubosek and Kubinsky).
- Custom-made laser installations, according to space possibility.
- Various pieces and colors of laser systems or modules. Static and movable with pre-programming.
- AWARDS: ILDA 2023 – 3rd Fine Art Laser Display
- Art installation in the form of a video projection on large LED screens.



INDOOR

VIDEO



OCTOMUNDOS

Art installation



Rudavsky works in a multitude of media: film, animation, painting, video installation, digital art, jewelry, sculpture, and illustration. Within each medium, he creates a universe of captivating and compelling subconscious worlds that are hypnotic and dream-like.

Rudavsky's works have been shown world-wide at hundreds of film festivals, museums, and galleries. He also has created artistic visuals, storyboards, designs, and music videos.



INDOOR

OCTOMUNDOS

Art installation



- Galleries, museums, exhibition halls, etc.
- With music.
- Octomundos - panoramic video installation. Music by Slavo Solovic.
- Cooperation with the artist (Rudavsky).

INDOOR

VIDEO



KINETIC LIGHT CEILING

Art installation



The kinetic light show is a method of projection that uses mechanical and lighting technologies controlled by control software.

Various luminous LED objects such as light balls, tubes, triangles, squares, and other custom-made light objects move in the vertical direction, thus creating a movable light ceiling.

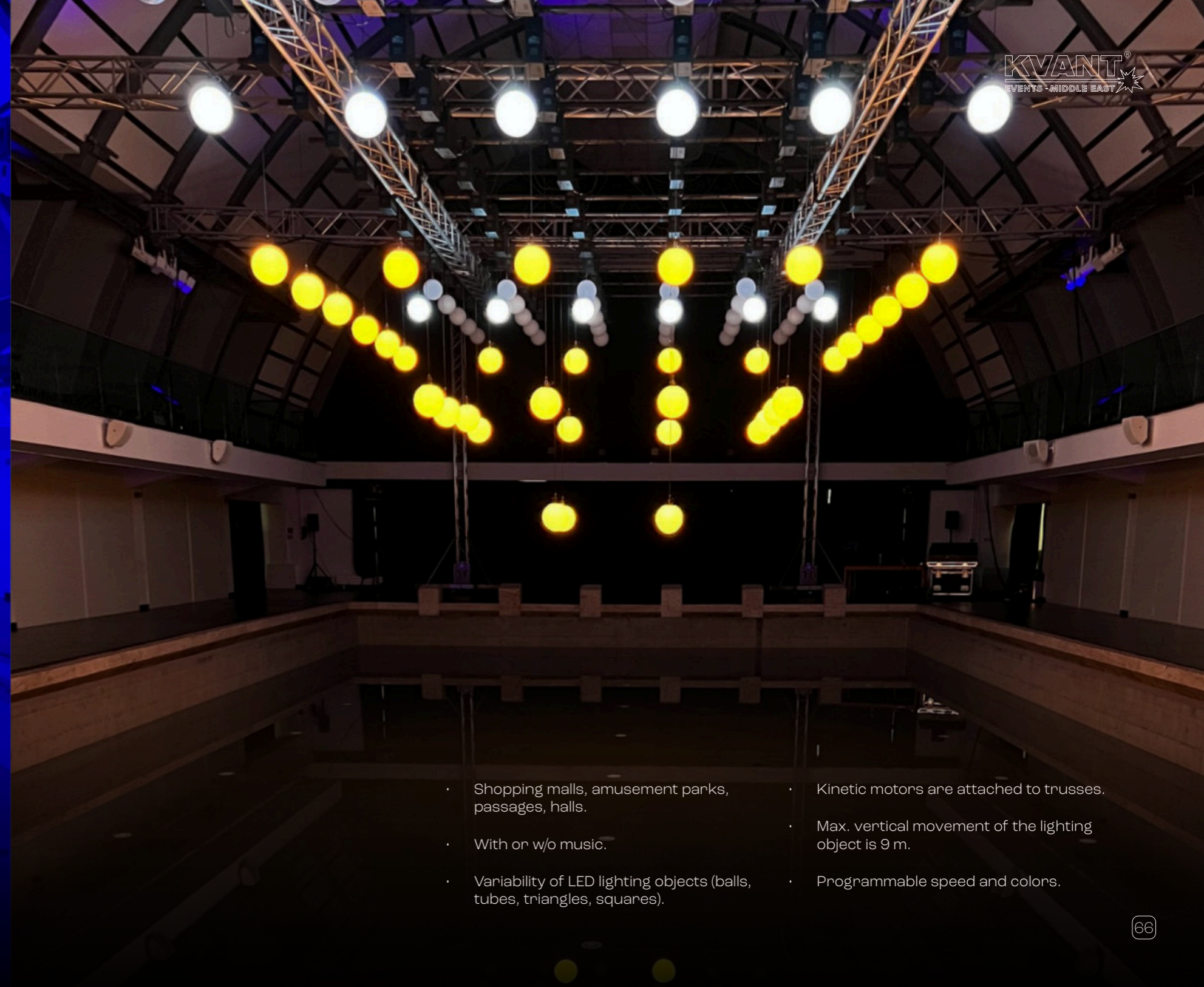
INDOOR

KINETIC LIGHT CEILING

Art installation



- Shopping malls, amusement parks, passages, halls.
- With or w/o music.
- Variability of LED lighting objects (balls, tubes, triangles, squares).
- Kinetic motors are attached to trusses.
- Max. vertical movement of the lighting object is 9 m.
- Programmable speed and colors.



INDOOR

VIDEO

LED CUBE

LED screens



LED screen projection is for displaying video, graphics, animations, images, text, and more large format displays. Apart from classic LED screens we also use LED floors, which are an increasingly popular addition to multimedia shows and other events. They have a high load capacity and are moisture-resistant.

The graphic content is designed and developed to your wishes by our professional team.

LED SCREEN



INDOOR

LED SCREENS

LED cube



SHOW PRODUCTION



- Exhibition halls, shopping malls, amusement parks.
- With or w/o music.
- 3D video and video projection on LED panels on all sides (floor, ceiling, walls).

- Various contents, the possibility of change.
- Projection of space deformation on all walls and floor, light illusions, etc.
- Version with movable ceiling with various LED objects.



HIGHLIGHTS
REEL

OVER 27 YEARS OF EXCELLENCE IN LASER AND MULTIMEDIA SHOW ENTERTAINMENT

FESTIVAL OF LIGHT

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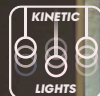
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