SpaceTime Helix

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performance / optoacoustic instrument

SpaceTime Helix it is a play with light, helical symmetries, geometry and infinity. SpaceTime Helix is a performance with an optoacoustic instrument created by Michela Pelusio.

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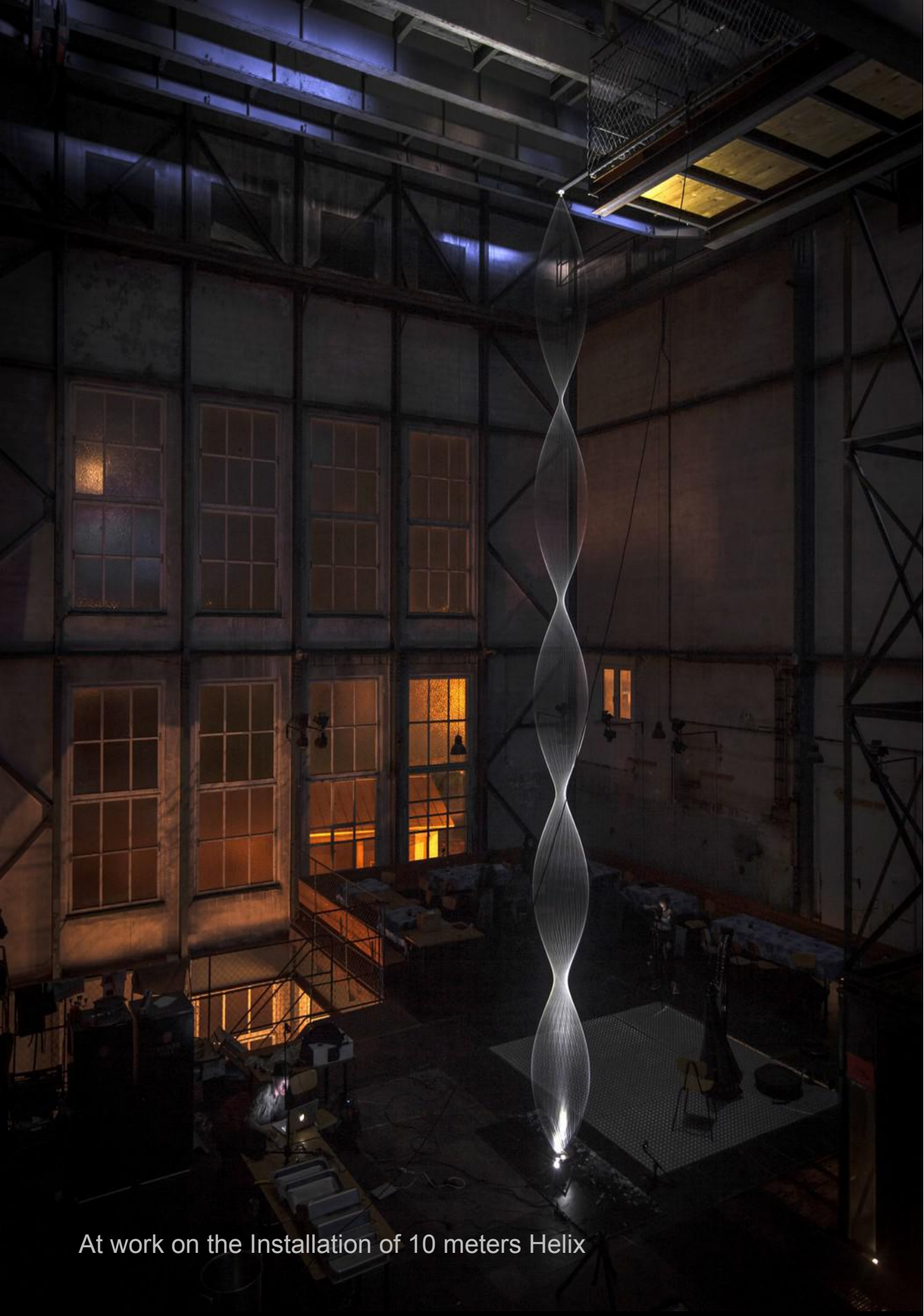
Description

The Helix is a spinning standing wave in a white rubber string, forming a large helicoid up to the roof. The installation creates a superposition of harmonic oscillations in a string. The helix surface is bright transparent, with colors and waves running over it. The vertical wave length can range from 5 to 15 meters according to the size of the space where the helix will be installed. The sonic and light properties of the Helix have been optimized since 2012 and it can be played as an optic/acoustic instrument creating an immersive experience of space, geometry, light and sounds.
The helix is played by catching it with the hands, shaping it, and letting it go into new form. The helix lights controller allows to create precise wave patterns and surfaces. The helix speed it is controled by a wearable interface: " breathing corset".

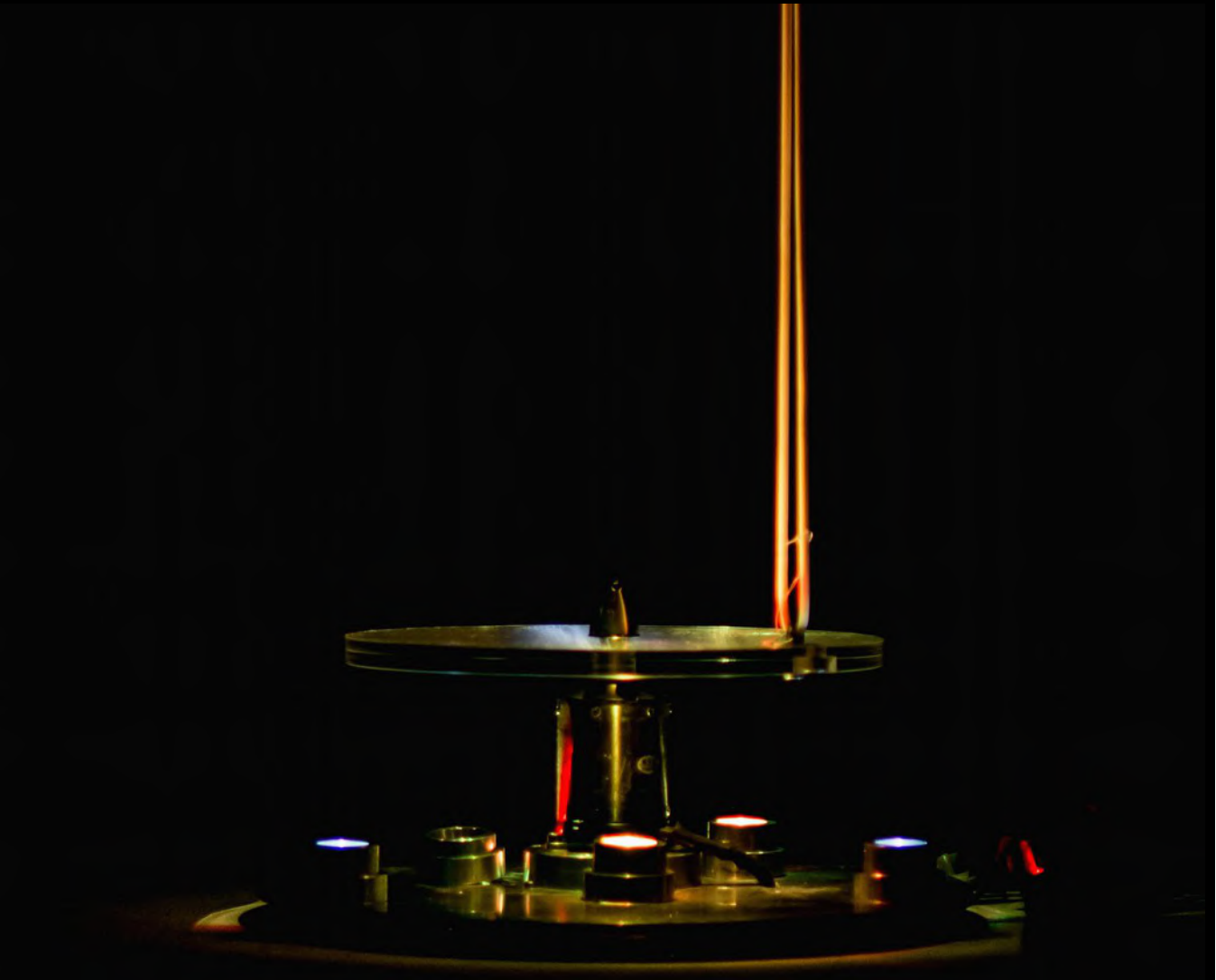


At work on the Installation of 10 meters Helix

Wireless breathing corset with arduino interface

controlling the speed of the Helix
with the corset by breathing.

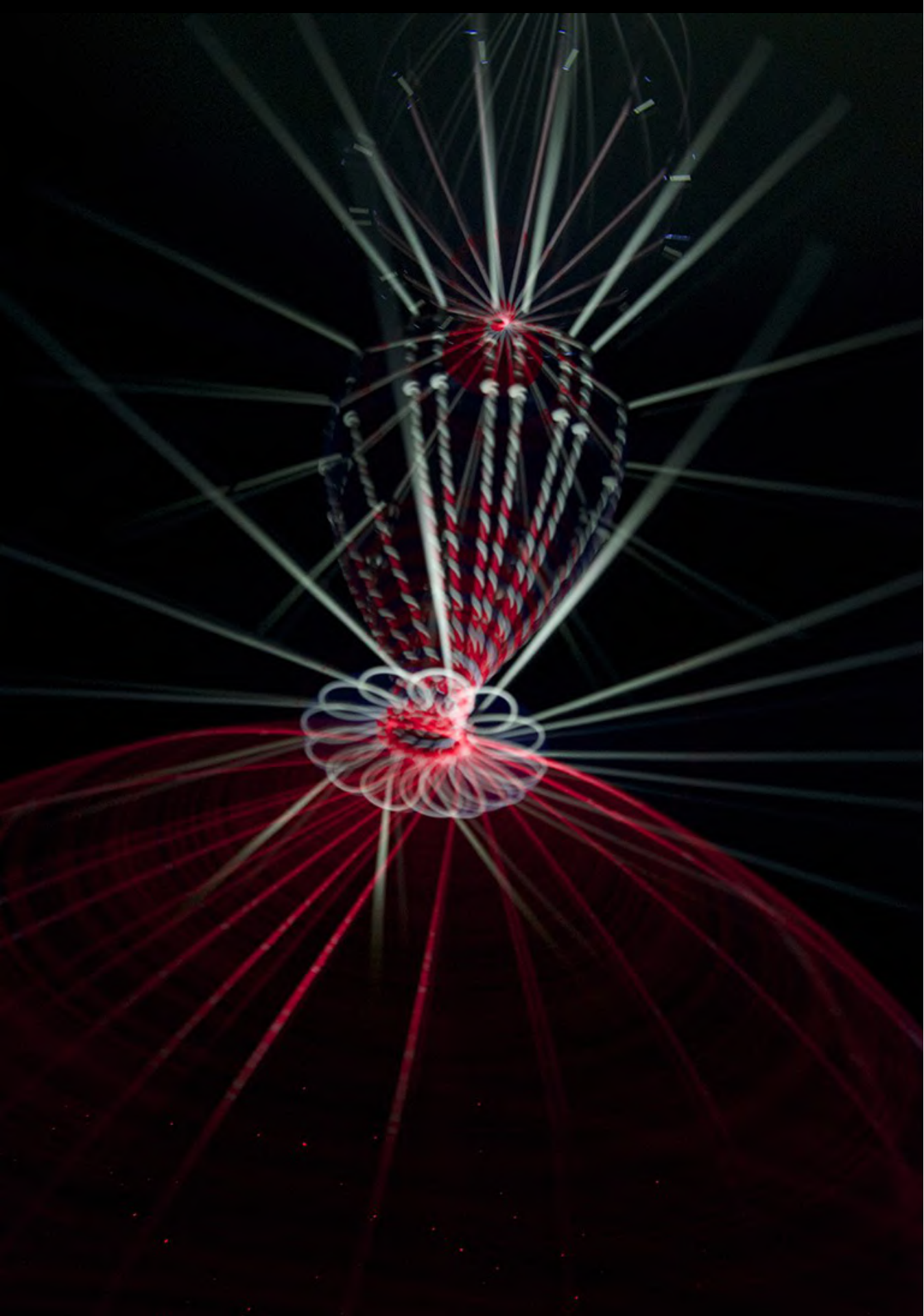
SpaceTime Helix Performance by Michela Pelusio



Base Helix

Helix console

SpaceTime Helix Performance by Michela Pelusio



The Helix was created in Crete in 2011 and improved and changed over time through collaboration with creative people and scientists in Europe. SpaceTime Helix was exhibited in 2015 at OSA open source art festival in Poland, at ADAF: Athen Digital Art and Fasma Festival, at Embros Theater in Athens, at Hybrid Art 2014 in Moscow, at Max Planck Institute of Astrophysics in Germany 2013, in Vienna at the Museum Quartier 2012, in Hallein at Schmiede 2012/13/14, at TEDX Heraklion and TEDx Athens, at the Natural History Museum of Crete and Cretaquarium and many other festival. See the Cv for more info.

Video performance

https://vimeo.com/100893585

https://vimeo.com/130903990

Video at work

https://vimeo.com/112728517

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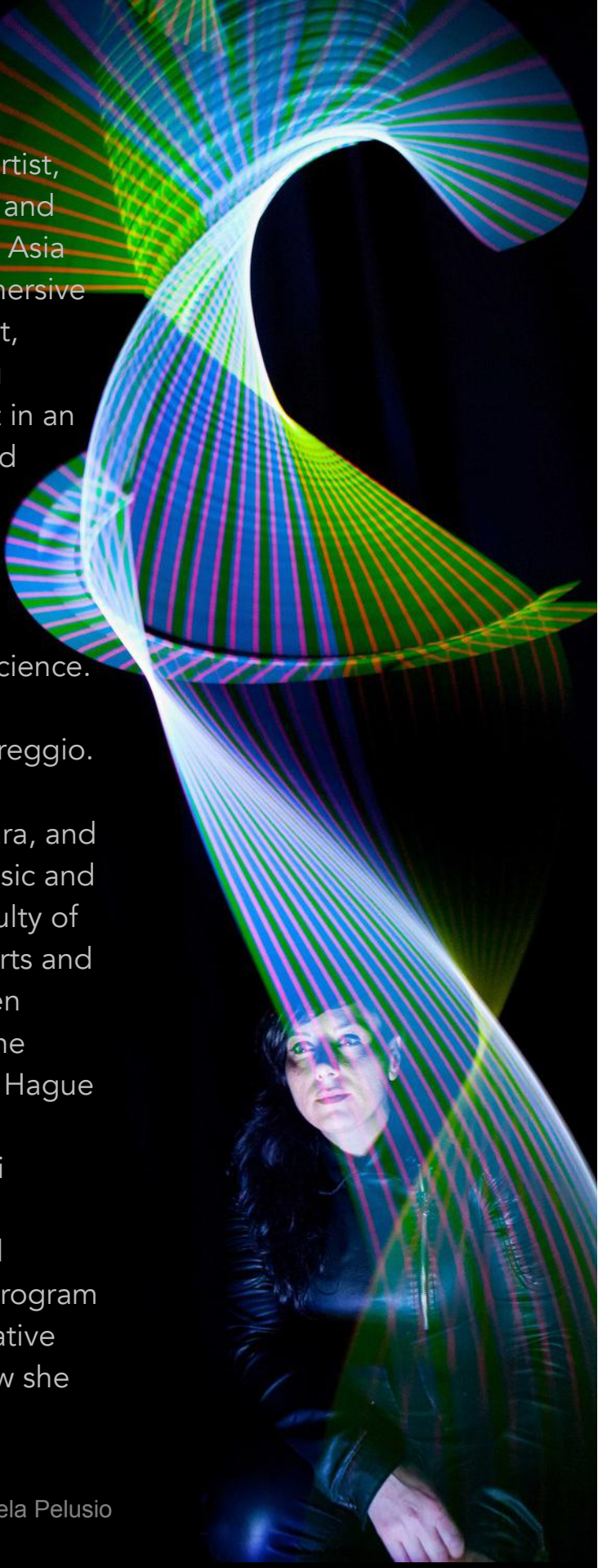
BIO

Michela Pelusio is an Italian artist, who has created installations and performances across Europe, Asia and America. She makes immersive installations using space, light, matter and sound, producing experiences of being present in an environment that is magic and non-recordable. Her research involves the exploration of human perception, the sense of the place, nature and culture, art and science.

Michela was born in Italy, Viareggio. She studied sculpture at the Academy of Fine Art of Carrara, and got her Master degree of Music and Art Science from the Interfaculty of the Royal Academy of Fine Arts and the Royal Conservatory of Den Haag. She was a teacher at the ArtScience Interfaculty in the Hague (KABK, KONCON) teaching Synesthetic's and Genius Loci courses. In 2012 Michela she moved to Crete and founded ResidenceSEA, a residence program for artists who engage in creative dialogues with scientists. Now she live in Brussels, Belgium.



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