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Enrico Torres, Filippo Marri

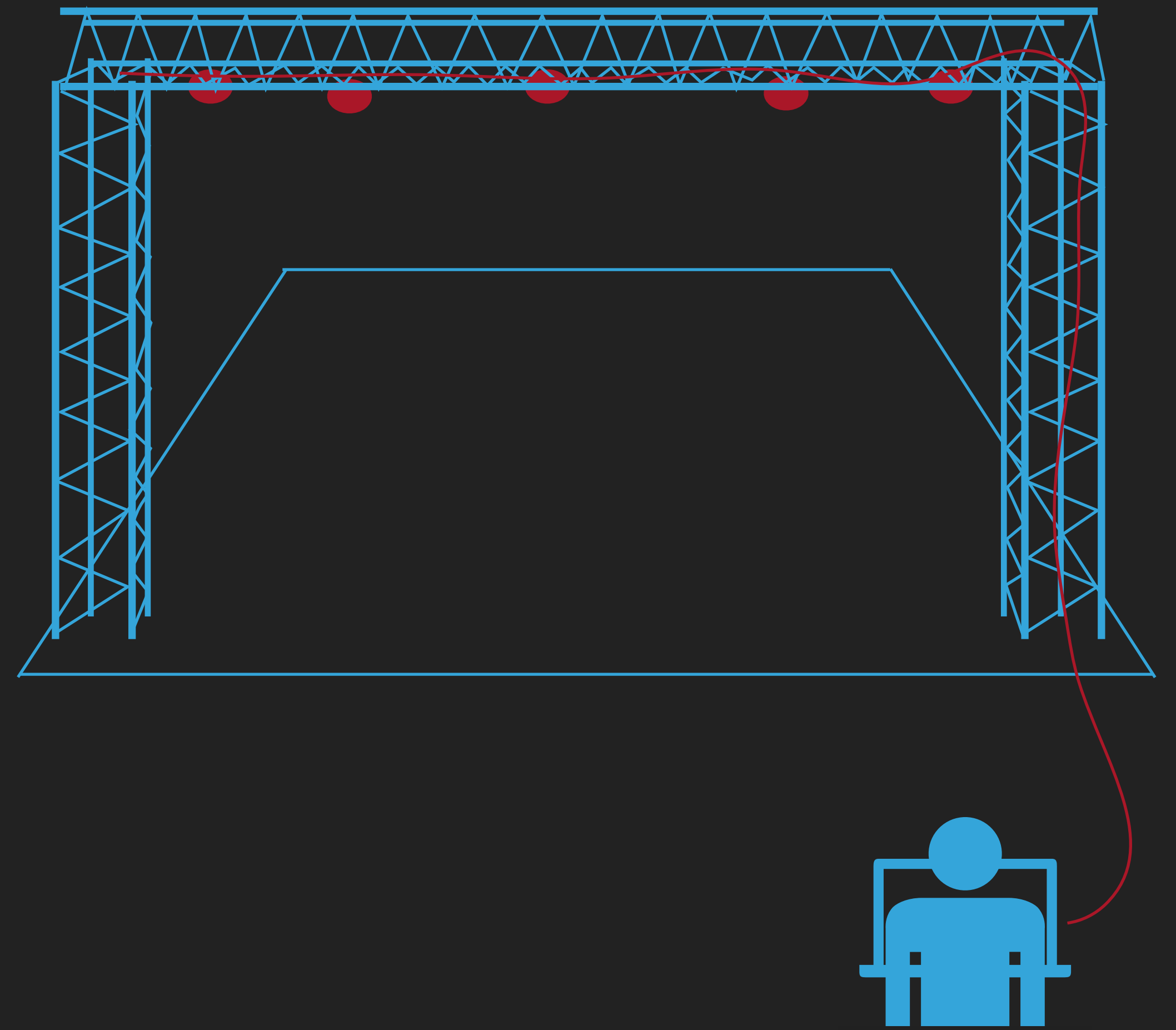
AN INCLUSIVE SOLUTION FOR LIGHT CONTROL

FLOWVISION

CONCEPT

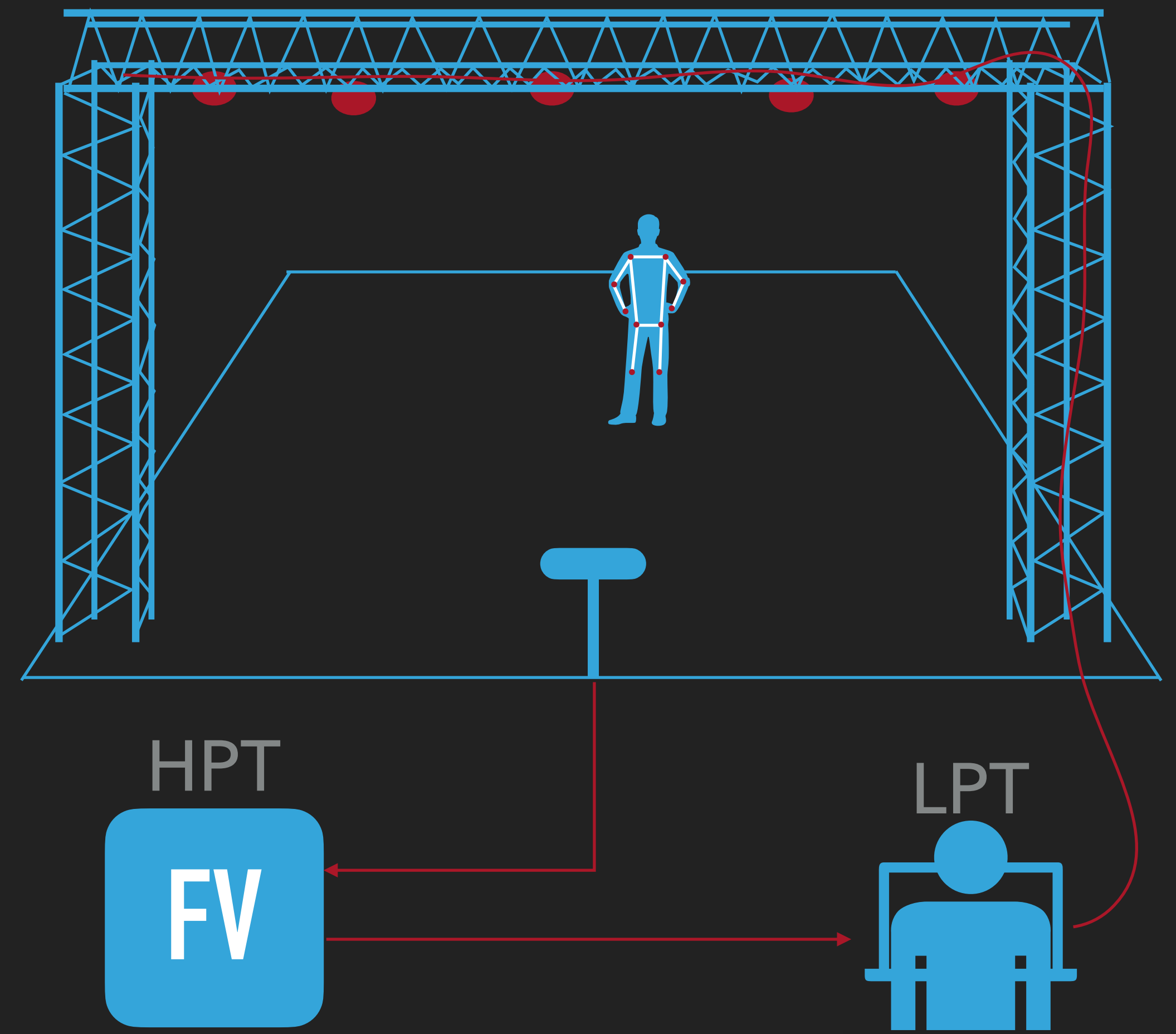
CONCEPT

- ▶ A software able to control simple light settings according to the performer's movements



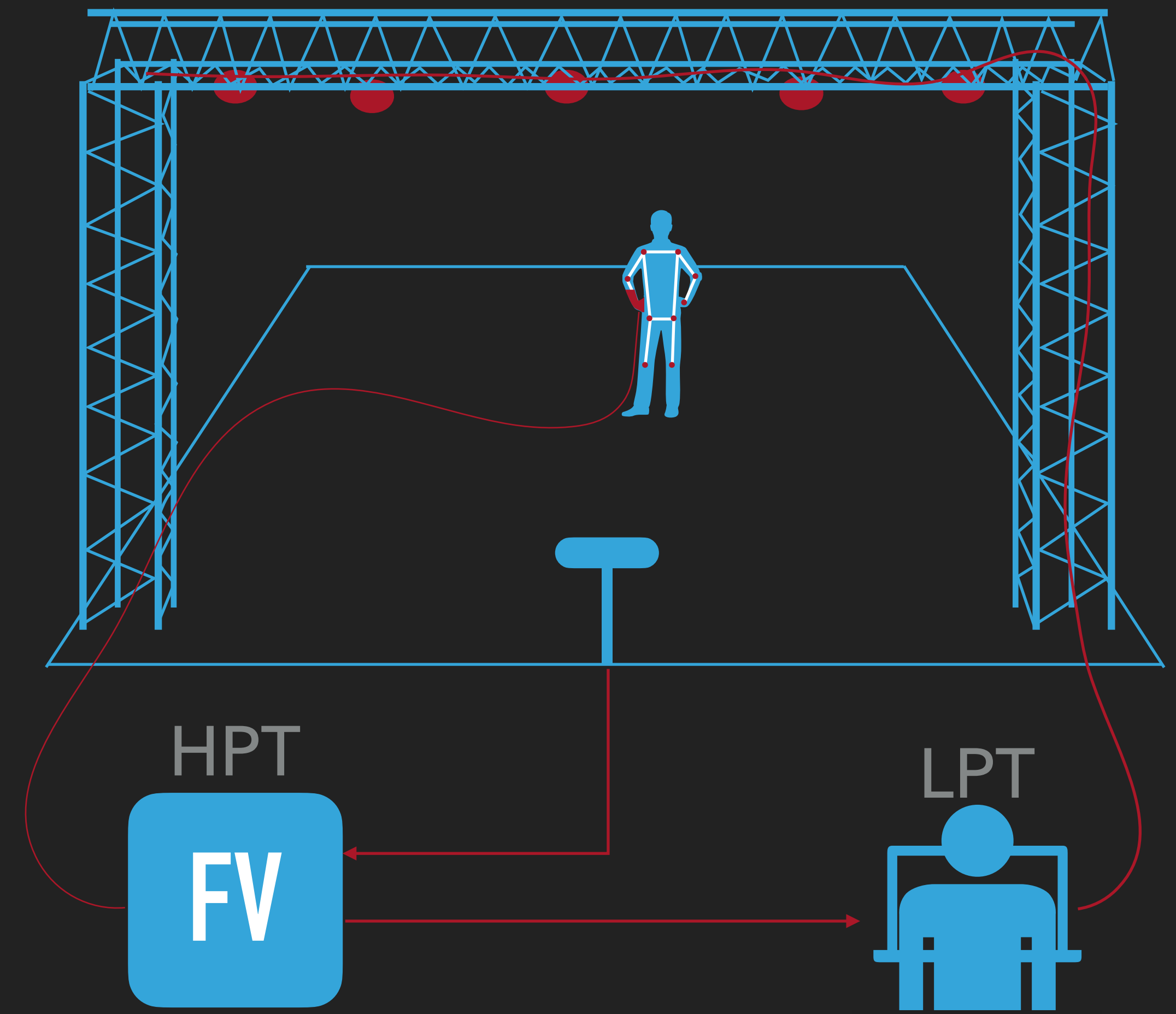
CONCEPT

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CONCEPT

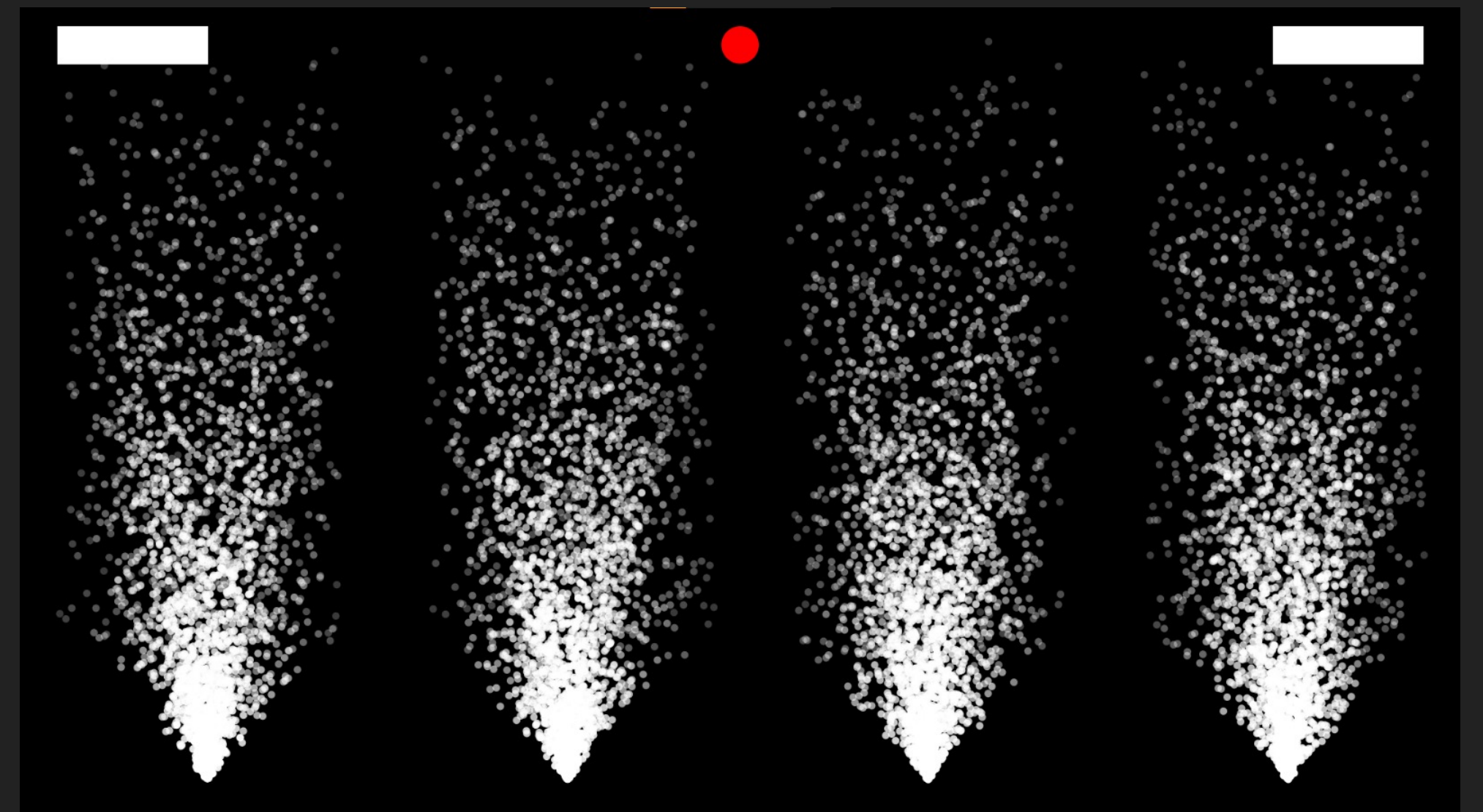
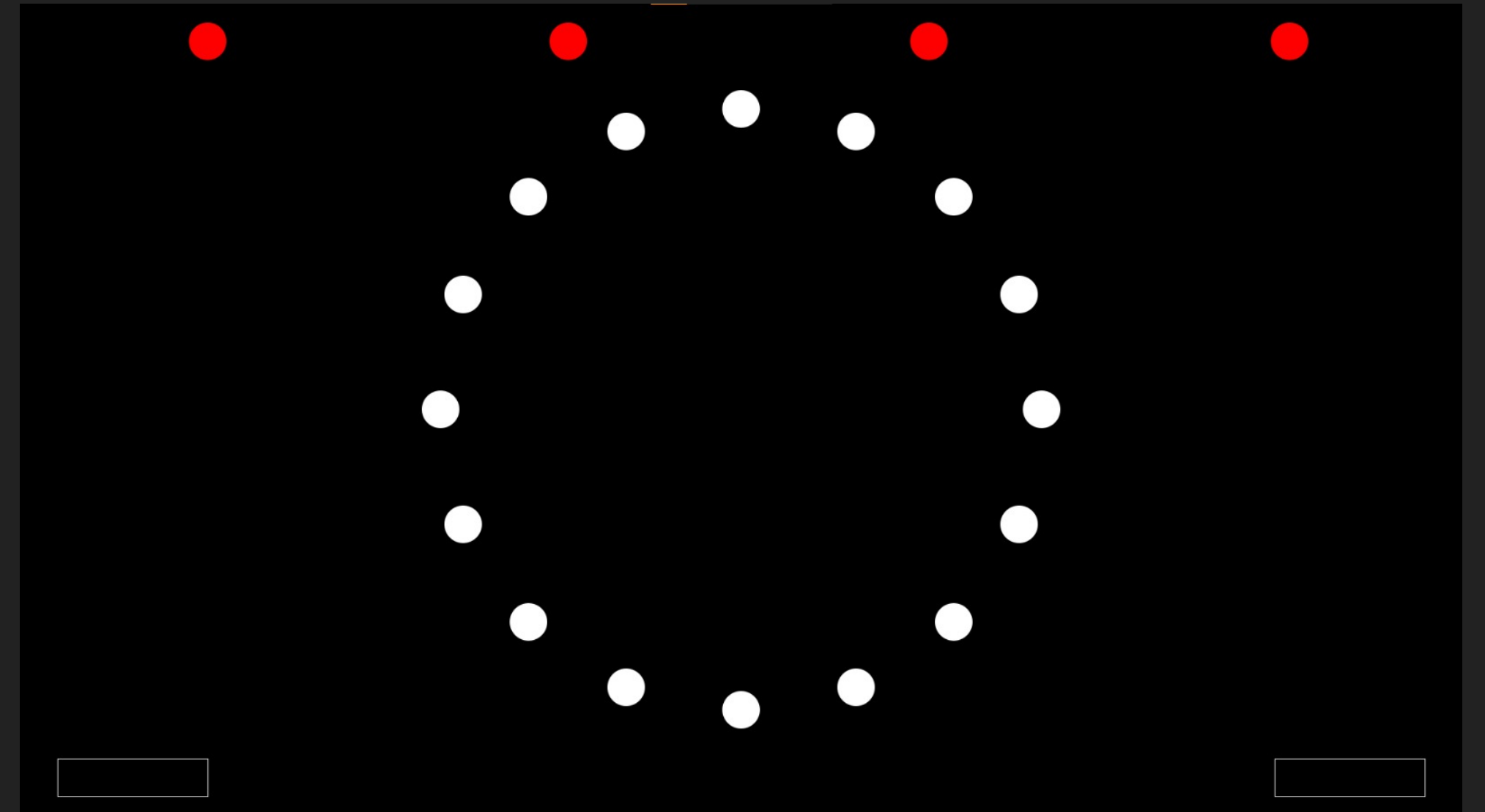
- ▶ A software able to control simple light settings according to the performer's movements
- ▶ Inclusivity: provide haptic feedbacks to the performer in order to give the perception of control



DEMO

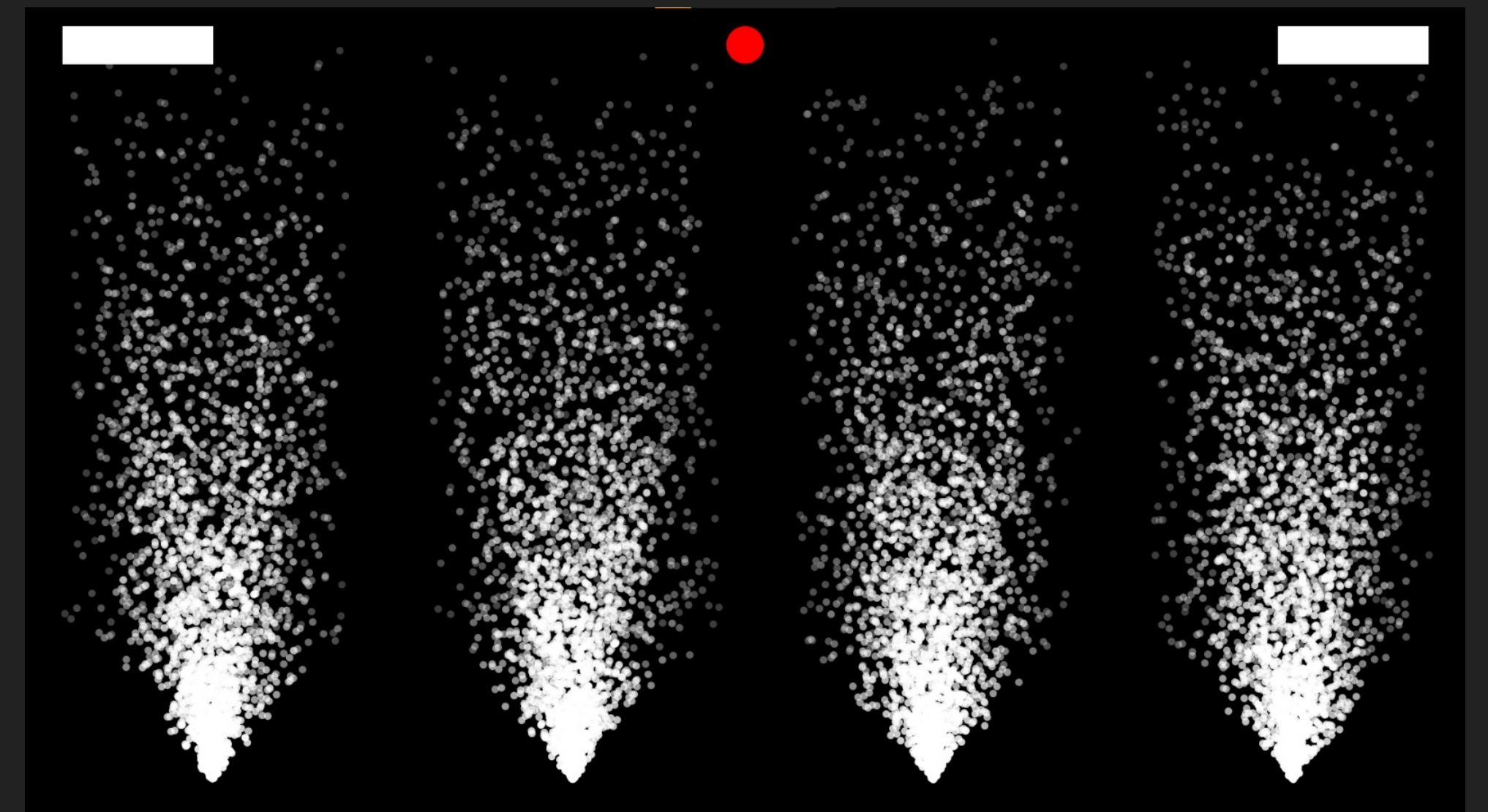
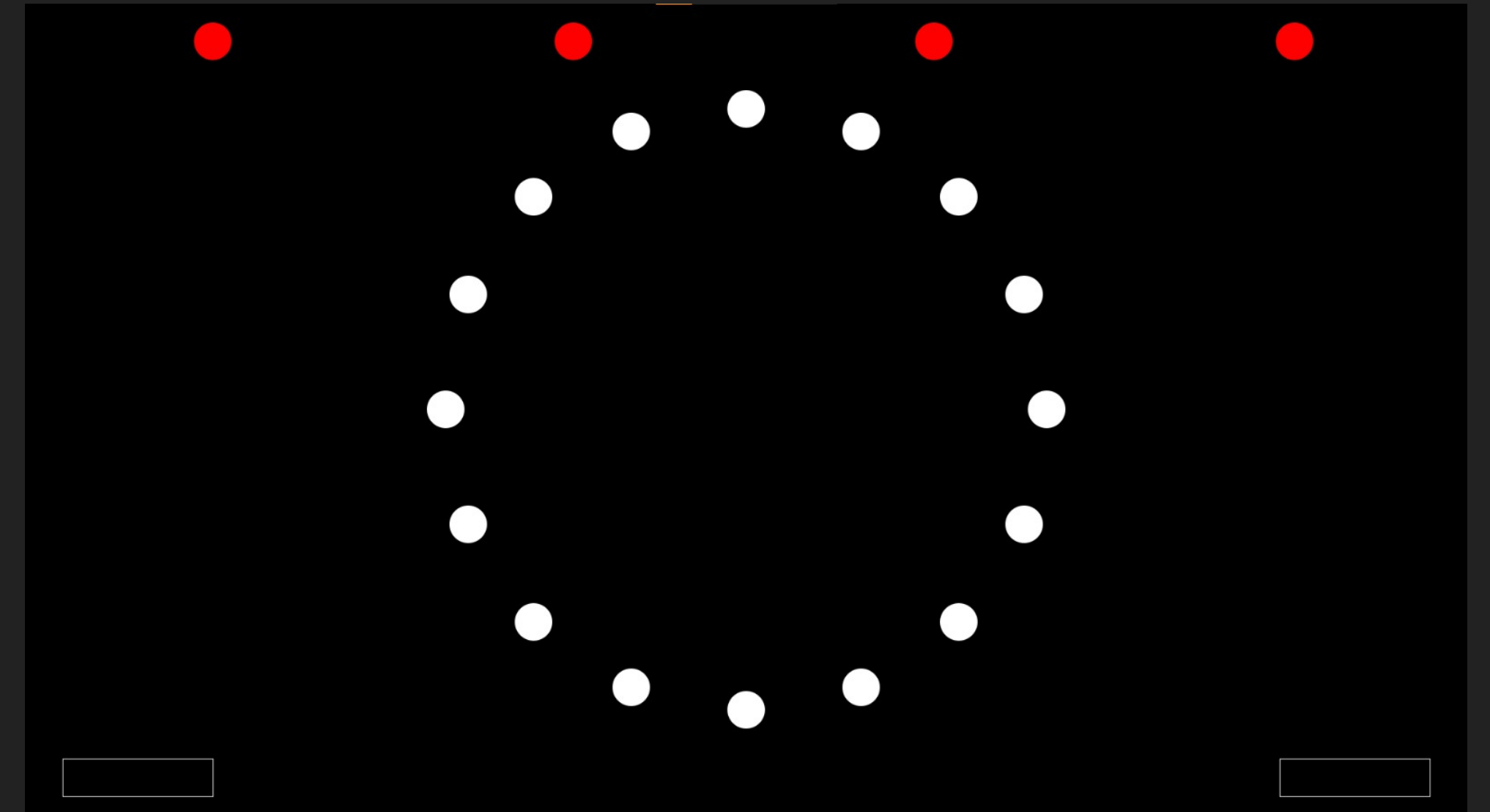
DEMO

- ▶ 3 simple movements implemented



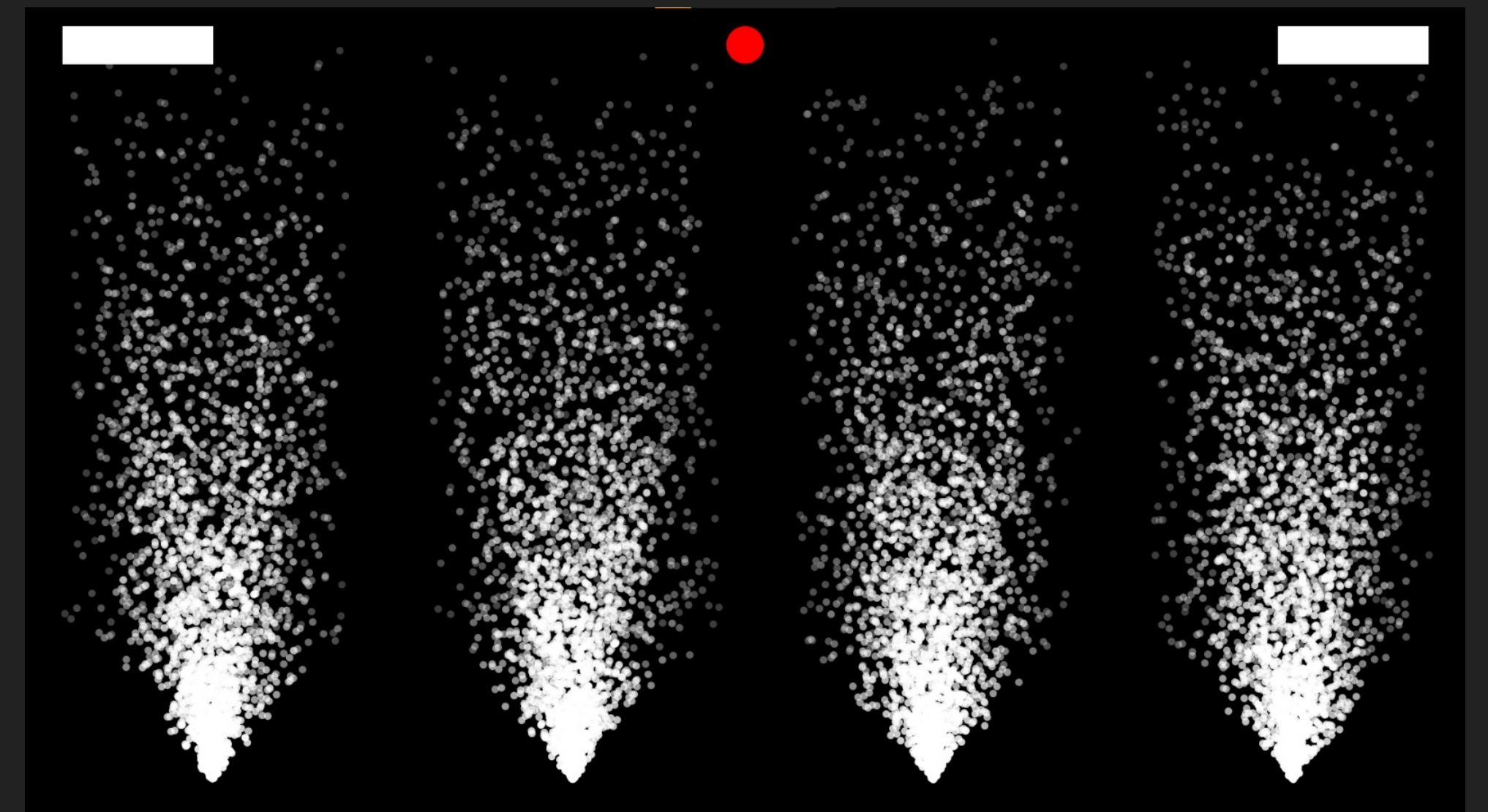
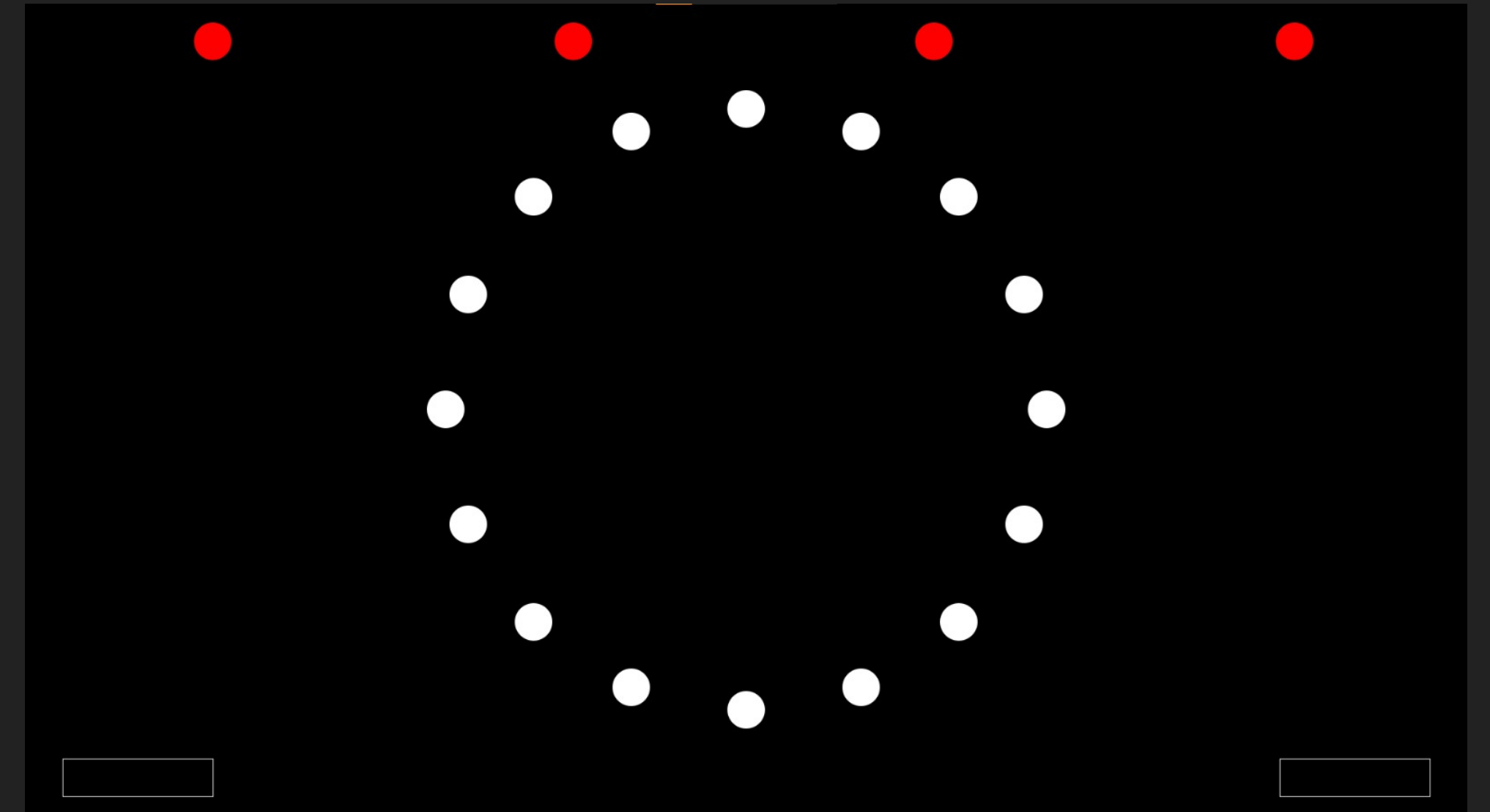
DEMO

- ▶ 3 simple movements implemented
- ▶ The light movements are represented with some animations on a Processing file



DEMO

- ▶ 3 simple movements implemented
- ▶ The light movements are represented with some animations on a Processing file
- ▶ Effects are triggered when some thresholds are overcome



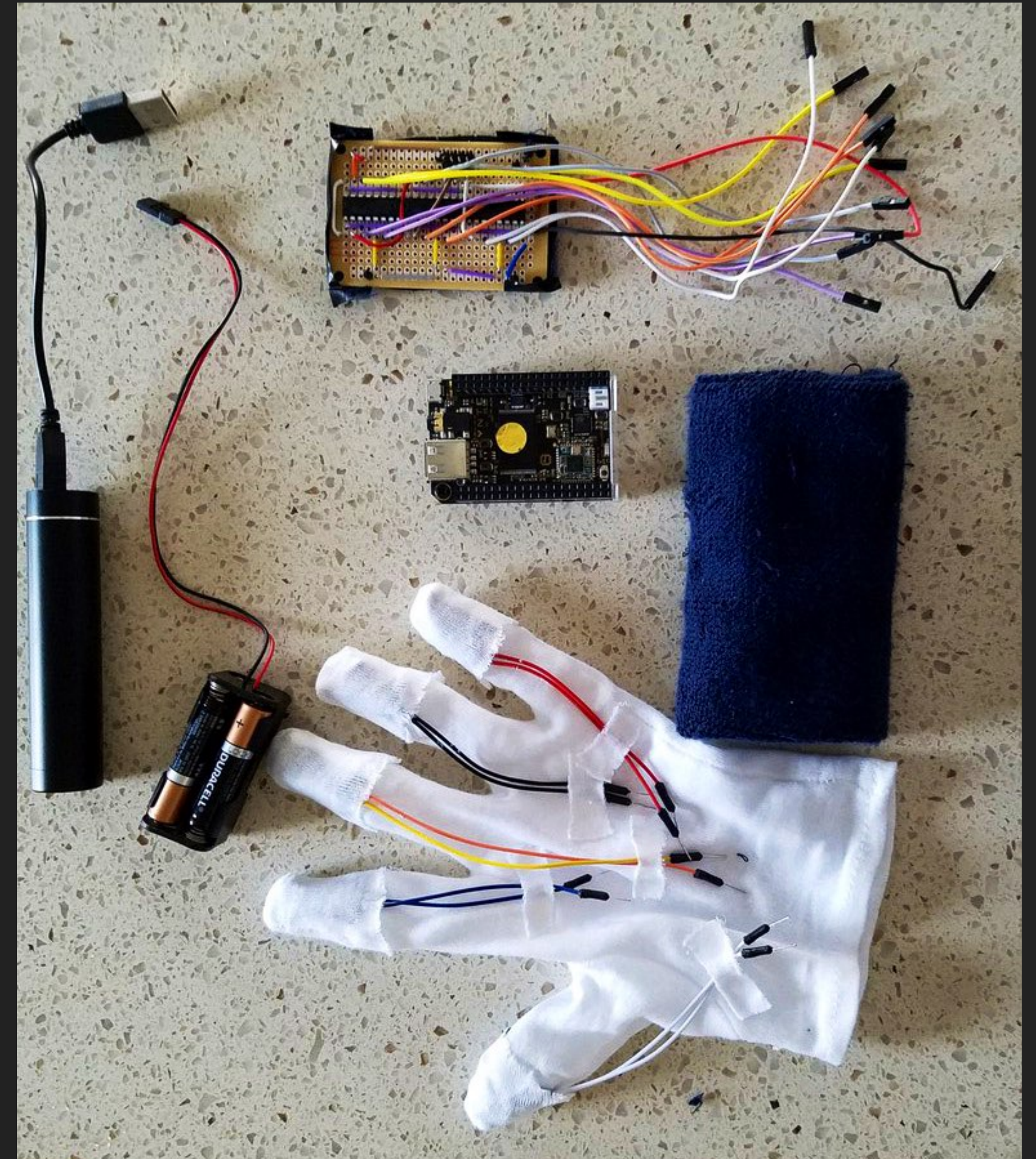
FUTURE DEVELOPMENTS

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- ▶ Creation of the haptic glove and implementation of the relative code

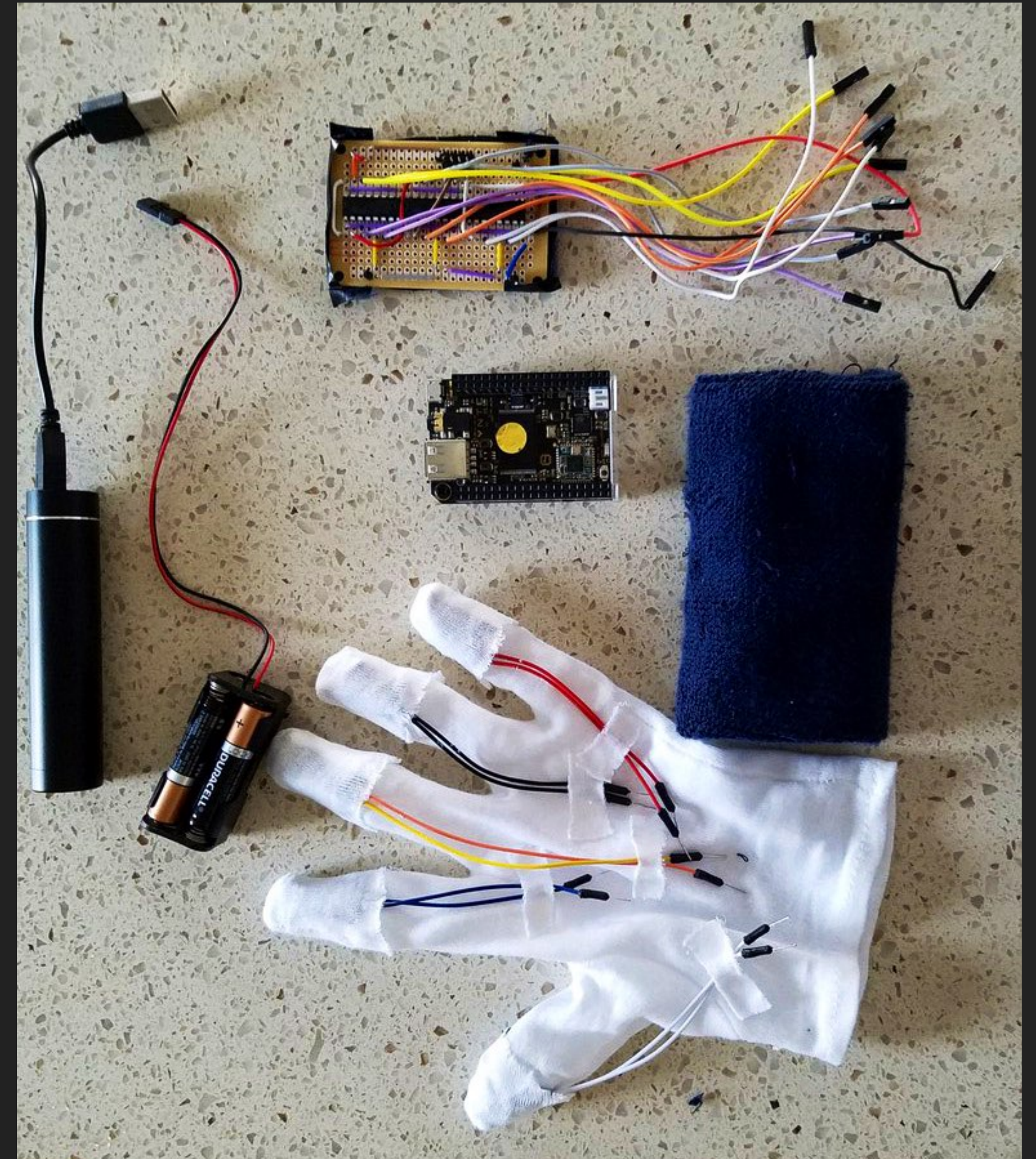
FUTURE DEVELOPMENTS

- ▶ Creation of the haptic glove and implementation of the relative code
- ▶ A glove with some vibrating actuators on the fingers and on the palm connected to a controller



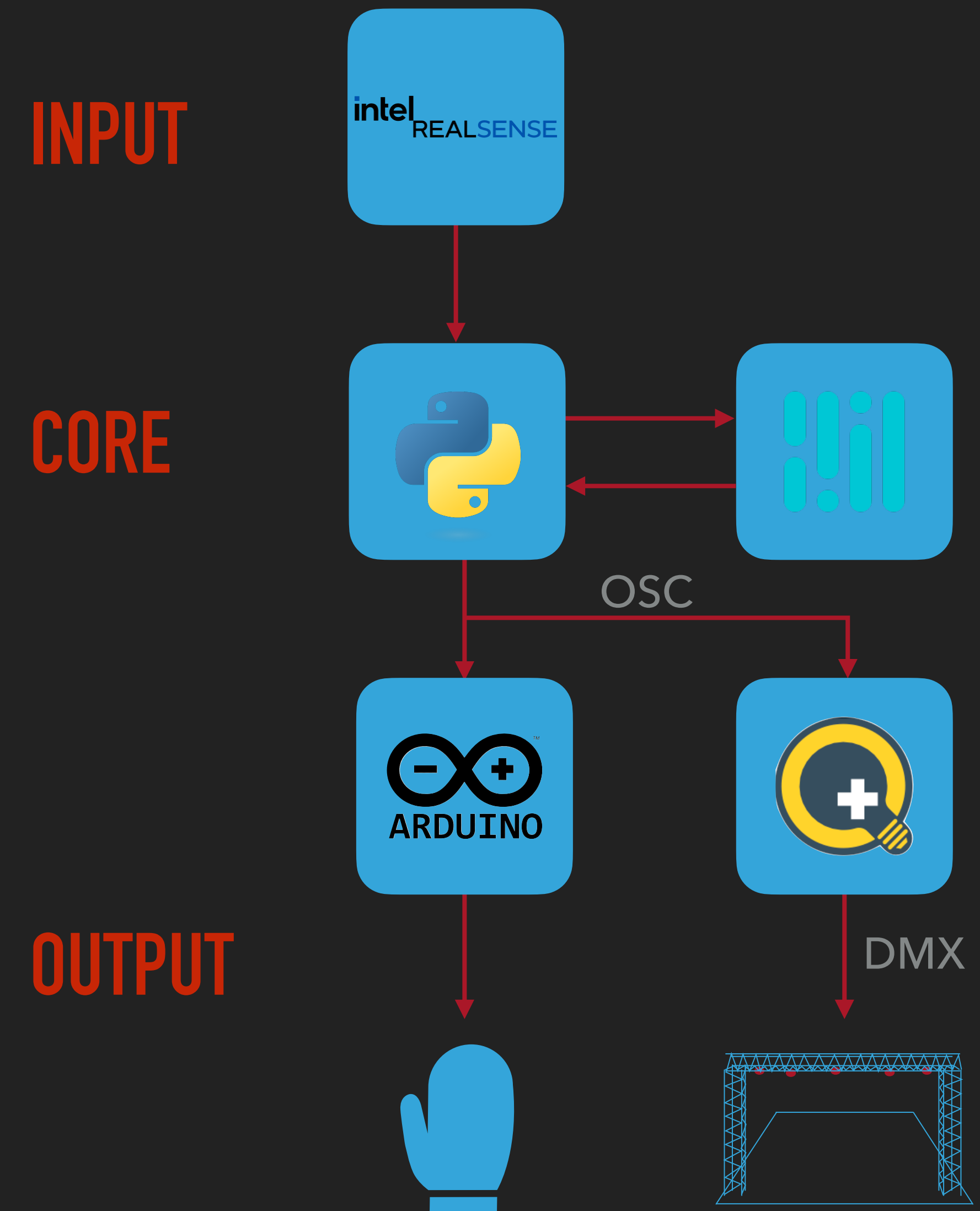
FUTURE DEVELOPMENTS

- ▶ Creation of the haptic glove and implementation of the relative code
- ▶ A glove with some vibrating actuators on the fingers and on the palm connected to a controller
- ▶ Mapping according to the setting

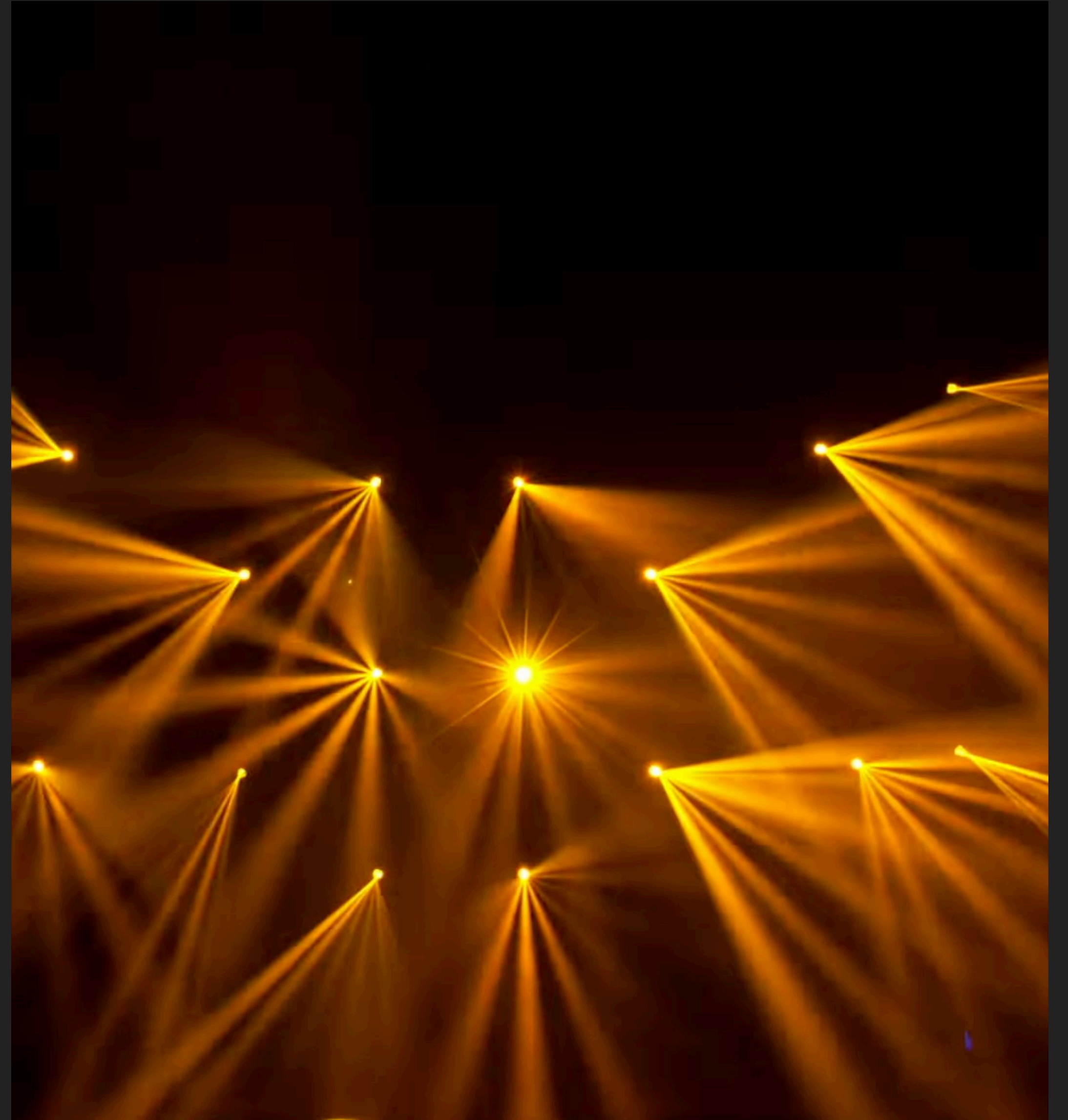


FUTURE DEVELOPMENTS

- ▶ Creation of the haptic glove and implementation of the relative code
- ▶ A glove with some vibrating actuators on the fingers and on the palm connected to a controller
- ▶ Mapping according to the setting
- ▶ Addition of a LSTM neural network able to understand which are the triggering movements

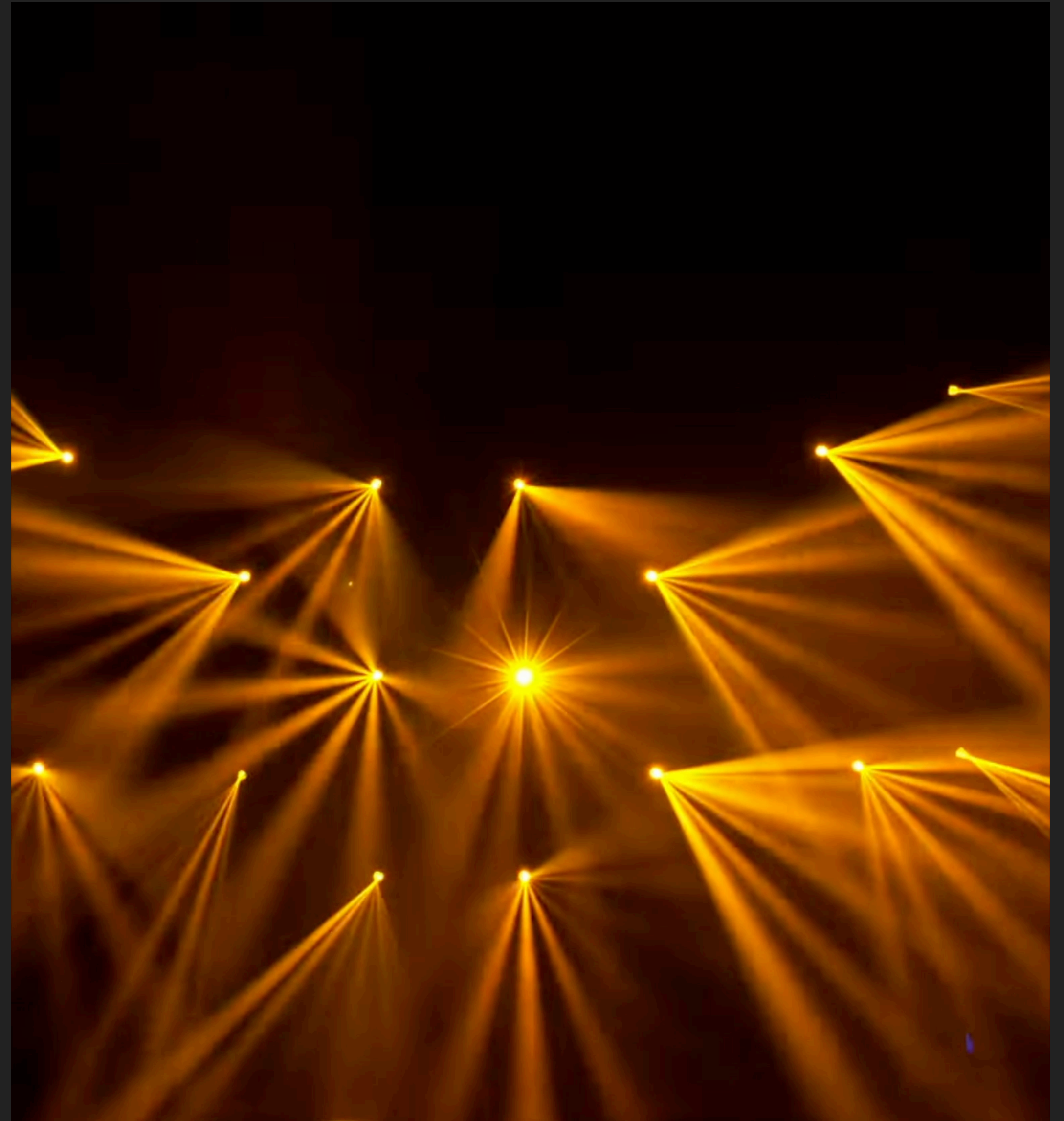


MOTIVATIONS



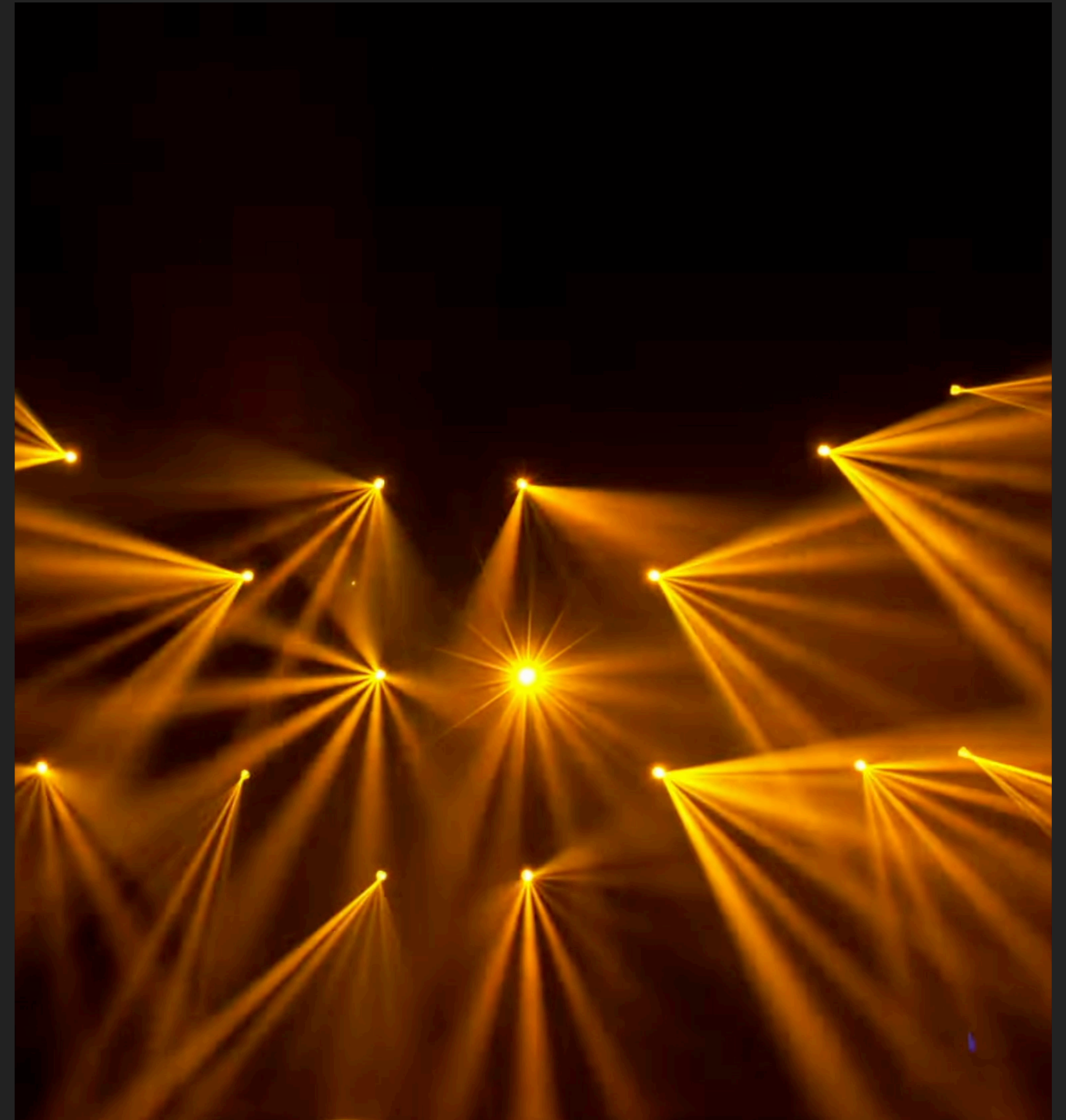
MOTIVATIONS

- ▶ Merging of the role of the artist and of the light operator



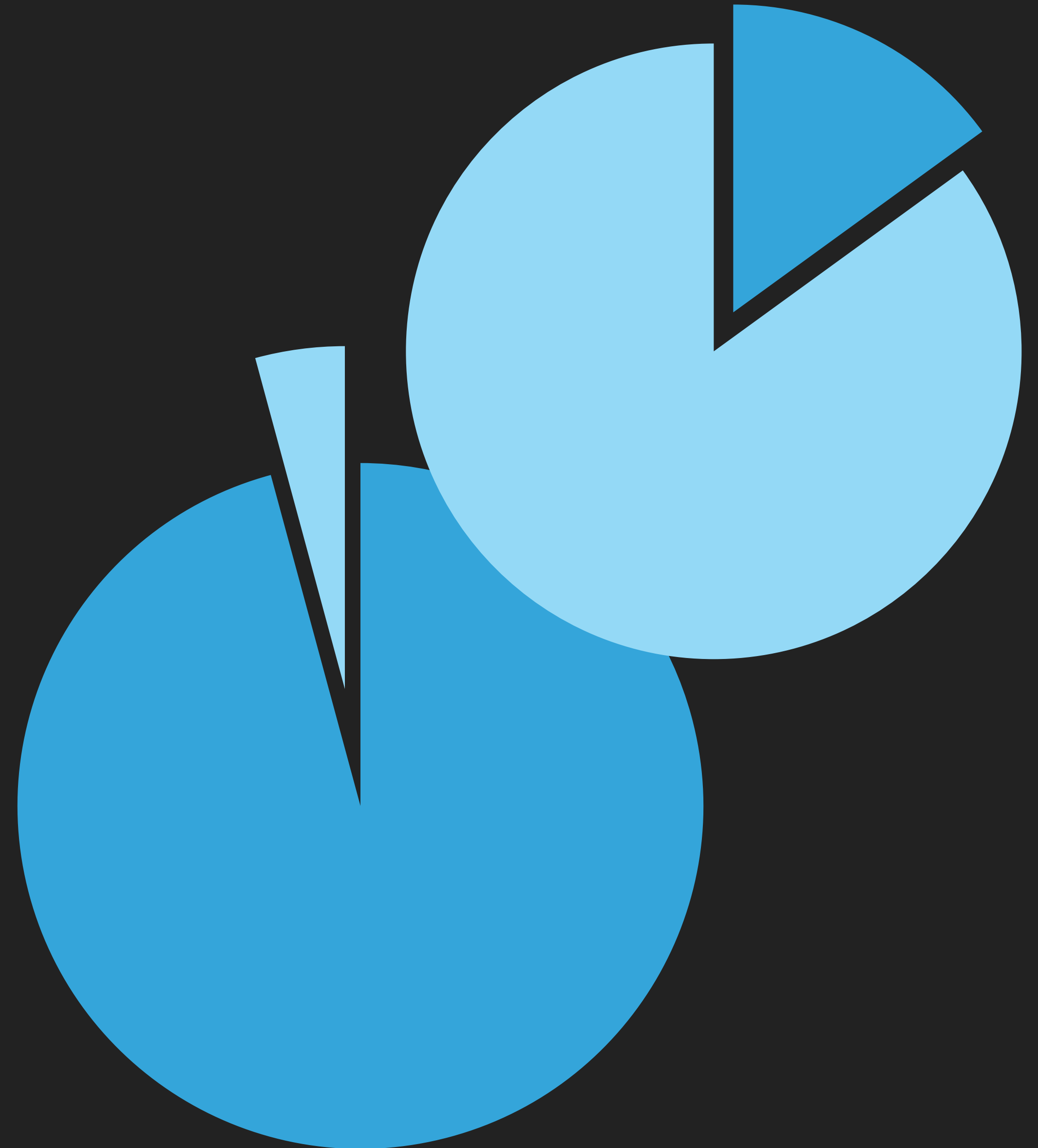
MOTIVATIONS

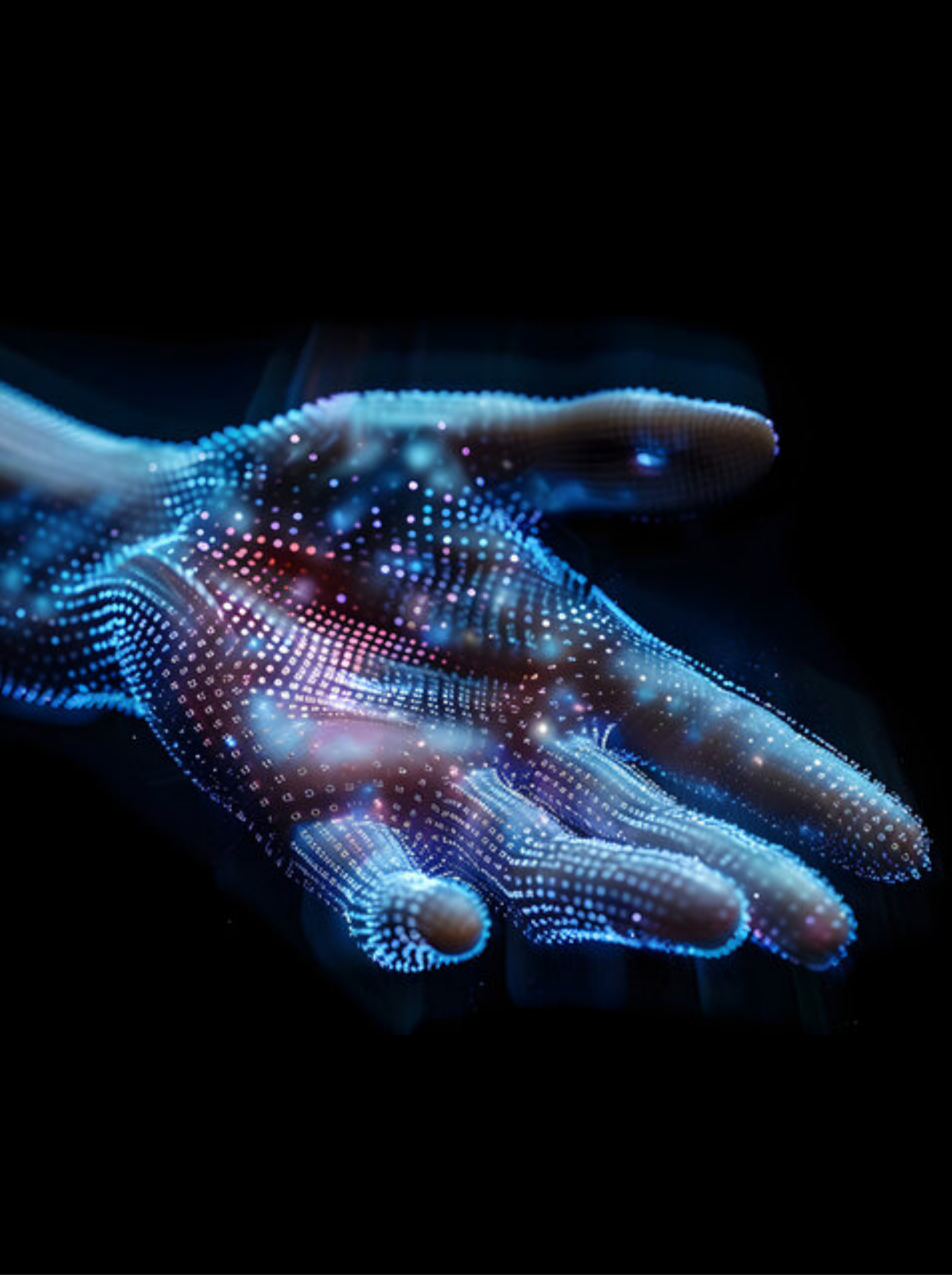
- ▶ Merging of the role of the artist and of the light operator
- ▶ Addition of a further layer of improvisation for visual perception and effects



MOTIVATIONS

- ▶ Merging of the role of the artist and of the light operator
- ▶ Addition of a further layer of improvisation for visual perception and effects
- ▶ Inclusivity for people with visual perception diseases





THANKS FOR YOUR
ATTENTION

FLOWVISION