

# a HEART and an EYE

## Another Brick in the 1.5 °C Wall

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A HEART and an EYE is a poetic device for social change. This project aims to provide an artistic and participatory approach to public engagement with the changing climate. At 1.5°C rise above pre-industrial levels, the installation offers the public in coastal regions tangible and ceremonial reminder of the global climate crisis, borderless and chronic with irreversible consequence. It also aims to empower people by providing an urban farming device that is easily replicable. It can be regarded as a tool to motivate the public to practice sustainable lifestyles, enlighten the participants by the circulation of life through planting, and possibly alter the outcome of global warming.

With current global CO2 emission rate, we will reach 1.5°C between 2030 to 2052. The project will make visible the newly forming coastal lines in cities and regions where global warming reaches 1.5°C above pre-industrial levels, the target temperature set in Paris Agreement – a "1.5°C Wall". The Machine, will be served as watchtower on 1.5°C Wall, includes two components: a beam light system powered by photovoltaics – the EYE and urban farming devise – the HEART.

The EYE, will become a marker and reminder of where the sea and the city are expected to converge at 1.5°C temperature rise. The color of beam light will be determined by whether the number of the attached CO2 sensor exceed or below 430ppm (parts per million), the amount which marks the global warming reaches 1.5°C above pre-industrial levels. All EYEs will be opened on special occasions (Earth Day for example) to perform 1.5°C Wall Ceremony as a reminder for the public of the threat and progress we have undertaken as a society.

The HEART, an integrated urban farming system with an aquaponics system and a conventional soil growth system, aims at alter the figure on CO2 sensor by absorbing CO2 emission at microclimate. It will offer a tool to grow edible plants such as herbs and vegetables. Its additional purposes include healing and promoting sustainable lifestyles to be practiced and shared, an enlightenment for people by experiencing the circulation of life.

The Machine will be made available for people upon submitting a request through an online web platform: <https://onpointfivedegreewall.cargo.site/>. It will be accessible for people, communities, and institutions living along the 1.5°C wall demarcation.

