

Guillaume Cousin

# SOUDAIN TOUJOURS

At a time when a paradigm shift is as necessary as it is illusory, it is fundamental to question our relationship to space and time. Thus, the understanding of our physical reality becomes an essential stake in writing a future. We must confront our perceptions with the realities described by science. Etienne Klein defines the quantum revolution as a relational, conceptual and ontological revolution. Carlo Rovelli is a physicist who, together with Lee Smolin, is the author of the loop quantum gravity (LQG), one of the theories considered the most promising by the scientific world. The founding text of SOUDAIN TOUJOURS is «The order of time», his latest work published by Allen Lane, 2018. Here an excerpt:

**«On the whole, even the things that seem the most obvious to us are in fact only long events. The most solid stone is in fact a complex vibration of a quantum field, a momentary interaction of force, a process that for a brief moment manages to maintain itself in an identical equilibrium, before falling into dust again, an ephemeral chapter in the history of interactions between elements of the planet. The world is made of events, not of things»**

**Carlo Rovelli (The order of time)**

**SOUDAIN TOUJOURS** explores the relationship between the event and matter or how quantum physics places the event at the heart of what constitutes the EVERYTHING.

Guillaume Cousin uses the similarities between fluids and quantum particles. Water, air and light are both matter and waves, and the duality of the corpuscle wave is the starting point of quantum physics. Fluids exist in our field of perception although they are mostly beyond our consciousness. We do not question how they act on us. To observe them, is to awaken in us a collective memory, an unconscious common heritage, to accept to leave our position of supreme scientist. It is to begin to accept what this common matter, the quantum particles, can be in us.

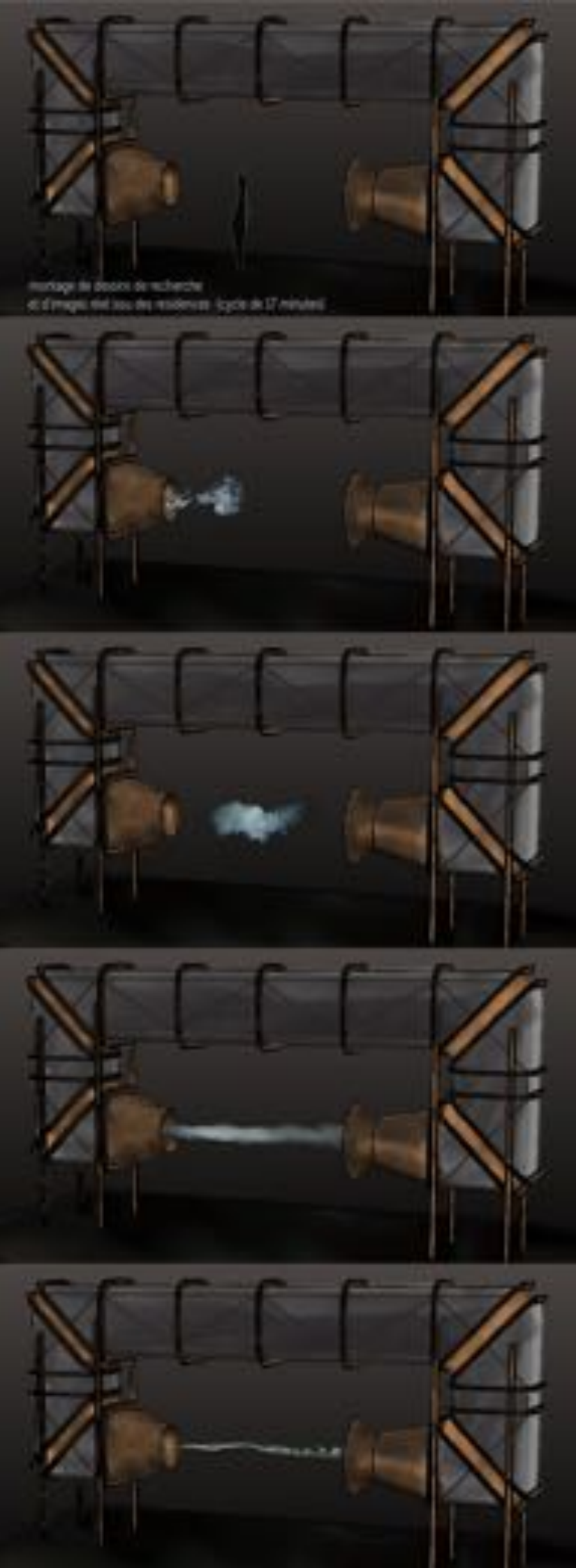


**SOUDAIN TOUJOURS** is a monumental machine that creates a sculpture of air. Based on the principle of a contemporary aerodynamic wind tunnel, the machine generates a laminar air-flow: a perfectly parallel and turbulence-free air movement. This is the «void», the 4m long cylindrical white page on which the score is written, revealed by smoke and light. We contemplate the very slow passage of clouds, then a vibrating and tumultuous line, slowly the line becomes thinner and calmer until it becomes perfectly clear and defined. The feasibility study and the design of the digital prototype were made possible thanks to a collaboration with the Jules Vernes wind tunnel in Nantes. The result is a sculptural model of a high-performance wind tunnel that can be dismantled and easily transported. Like a 3D cloud printer, a smoke generator is mounted on a motorised head allowing simple shapes to be written with the smoke in the moving airflow.

[Video like during test](#)

PWD: ST1





The installation incorporates a sound device that uses the massive, muffled sound of the blower. By acoustic subtraction a beat is formed in the hollow. The visual and sonic writing follow an identical evolution but oppose each other in their direction from full to empty. Their programming is interwoven and interdependent.

SOUDAIN TOUJOURS is the story of a chaos, of a big bang that inexorably tends towards harmony, a balance in the complex interactions that make up our world.

**Team:**

**Guillaume COUSIN:**  
concept & construction

**Clement EDOUARD:**  
Sound composition,  
sound installation

**Sylvain Aguinaga:**  
Aerodynamic engineer at CSTB, wind tunnel design, digital prototyping.

**Nicolas Wierinck, Archer & Weaver:**  
production  
nw@archerweaver.xyz / +32 475497110

**Partners:**

- Station MiR, festival ]Interstice[
- Sterolux, festival Scopitone
- DRAC pays de la loire
- Ville de la Roche sur Yon
- CSTB-soufflerie climatique Jules Verne
- Archer & Weaver

Research of smoke materials from residences





**PRÉFET  
DE LA RÉGION  
PAYS DE LA LOIRE**

*Liberté  
Égalité  
Fraternité*



STATION MIR • festival ]interstice[



**&Archer  
& Weaver**

Contact:

Nicolas Wierinck  
production  
nw@archerweaver.xyz  
+32 475497110

**Guillaume cousin**  
cousing@me.com  
+33 608059873