

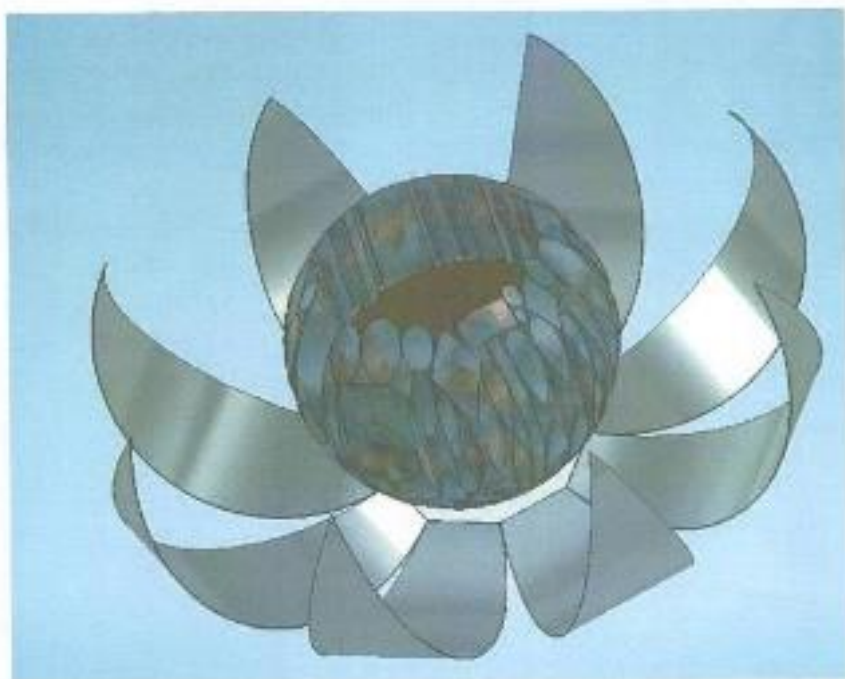
PRELIMINARY PROJECTS –

Initials concepts

The idea chosen was that of a city in the shape of a sphere hollowed out in the center. The buildings that make it up are intertwined with each other, made of "odds and ends", recycled objects and materials that are oxidized and worn, in a post-apocalyptic in "Mad Max" style.

The spherical shape was chosen because it is the most resistant to internal and external pressures, enabling it to withstand the elements.

In order to provide energy and protect the city, large curved metal sheets will surround the city like solar panels, which can be closed to form a protective dome.



The image above is simplified because our work will be created solely from scrap metal and other recycled objects, as the people of our apocalyptic future would do.

The materials used will come exclusively from the EREA waste container.

VISUAL INSPIRATIONS –



Maison des gardes agricoles de Maupertuis (Maupertuis agricultural guards' house).
Work by C.N. LEDOUX

Spherical architecture of a building, which for us could be an entire city

Cardboard advertising globe that gave us the initial ideas for creating a protective dome. Here it is composed of 6 parts, formed by 6 facets.

For aesthetic and practical reasons, we will make eight parts. One half will remain neutral, and the other half will represent one element each.



NAME OF THE WORK –

To name the work, we held a brainstorming session. This did not generate the desired emotion, even though, with reference to LEDOUX's work, we had thought of "La nouvelle CHAUX" (The New CHAUX).

To find help, we tried using artificial intelligence. Using the same prompt as the one used to create the visuals, we obtained the result: "Sphèropolis."

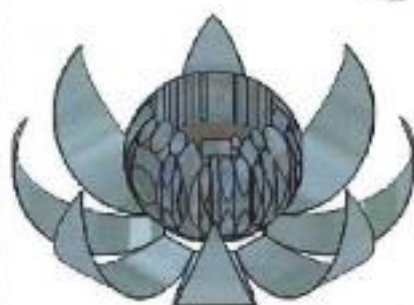
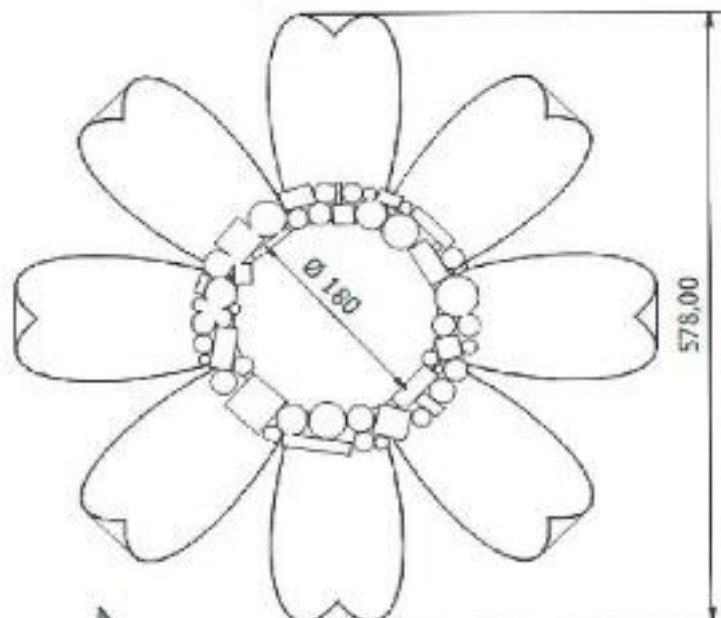
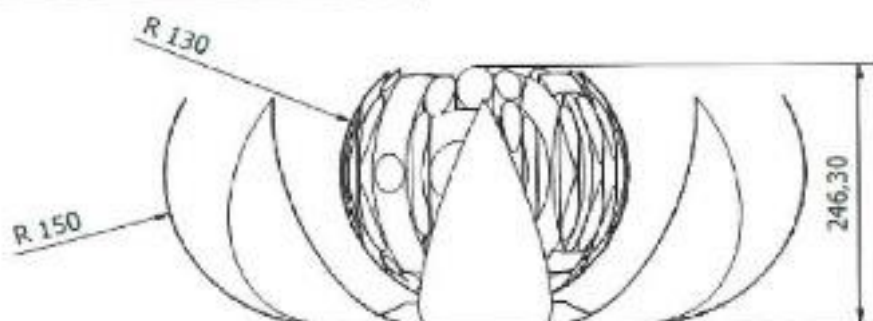
To determine the name of our city, we combined the two results for a modern nod to a utopia that is more than two centuries old:

It will be:

«Sphère
-Chaux-
Polis»

PLAN -

Manufacturing and control plan



Conçu par D.M.	Vérifié par	Approuvé par	Date 05/03/2025	Date 10/02/2025	
Sphère-CHAUX-Polis					
Projet Métal'Jeunes 2025			Modification Or.	Fouille 1 / 1	

MATERIALS AND TECHNIQUES –

As our project is "100% recycled," the materials used come from scraps and waste, recycled and repurposed!

1) The retractable dome

The curved sections representing the dome, plasma-cut from scrap sheet metal (recovered from the renovation of an EREA roof).



Those featuring an "elements" motif are painted black with a pattern created using scraps of glass fiber recovered from our CAP « House Painting » colleagues.

Once the grid is removed, a grid pattern appears, giving the desired effect of a worn solar panel.



In order to limit the bulkiness of the work, we closed three sides, thus demonstrating the protective aspect of the dome.

The sides that were left open can be moved thanks to the reuse of pieces of piano hinges.



2) The tree

The tree in the center of the city is made from the remains of steel wire coils used in MAG welding.

The floor area of the central square is greater than the projected area of the buildings.

This surface symbolizes the fact that nature, vegetation, and agronomy must occupy a central place in the city.

3) The background

The background sheet metal, representing the surface of what our planet will become, comes from a green painting recovered from a dumpster.

We tore the enameled sheet metal from its chipboard backing.





Then we hammered it roughly before rusting the whole thing.

We debated at length to determine which side would be visible: the green side, which shows where the sheet metal came from and symbolizes meadows and other vegetation, or the charcoal side, which was attached to the wood and, once hammered and rusted, gave a darker, more apocalyptic look.

The presentation plaque for the work, handwritten in paint pen on a piece of blank canvas, echoes the regressive symbolism of chalk writing.

It evokes a certain return to basics and simplicity, and also reflects the lack of production materials in the future, as is currently the case in the working studio.



(Essay on the green part)

4) The sphere



The sphere was assembled from recovered elements and put in place using the template opposite, by all possible means depending on the materials it is made of and the desired artistic effect.

The components are welded using MAG and TIG welding for mild steel and stainless steel components.

For assemblies made of different materials, in addition to the aesthetic aspect, this requires us to go through bolting and riveting stages.