



# CUPRUM ARENA

波兰铜台购物中心

## Architect

Barelkowski Piotr Zbigniew, Borkowicz Przemysław

## Firm

Studio ADS

## Associates Architect

Krzysztof Żółtowski, Zenon Walkowiak  
DIAGRAM

## Location

Lubin, Poland

## Area

76,238 m<sup>2</sup>





Cuprum Arena Shopping Centre is located in Lubin, the capital of the Polish Copper Basin. In designing the Cuprum Arena, the architects wanted to create a building that could become an architectural symbol of this region. This is why they used metals similar in color to copper in its many forms. The building, with its multiple layers, perforations and transparent elements, is inspired by the industrial aesthetic of this region and creates a symbolic link to the role of copper in the modern world.

A purely technical problem, which they had to solve, was that of laying the foundations for this multi-storey, open-plan Building In An Area Subject To The Effects Of Subsidence. To the best of their knowledge, this is so far the largest building of this type and structure built in such conditions.

The central atrium, which dominates the other building areas, is truly an

arena for events.

This houses evacuation routes and vertical service shafts, and has an inner layer of perforated and embossed metal sheet.

The idea behind the circular plan was to construct a building, which would blend into the wedge of surrounding green and whose architectural form would avoid flat facades. The circular plan provided the most universal and economical solution.

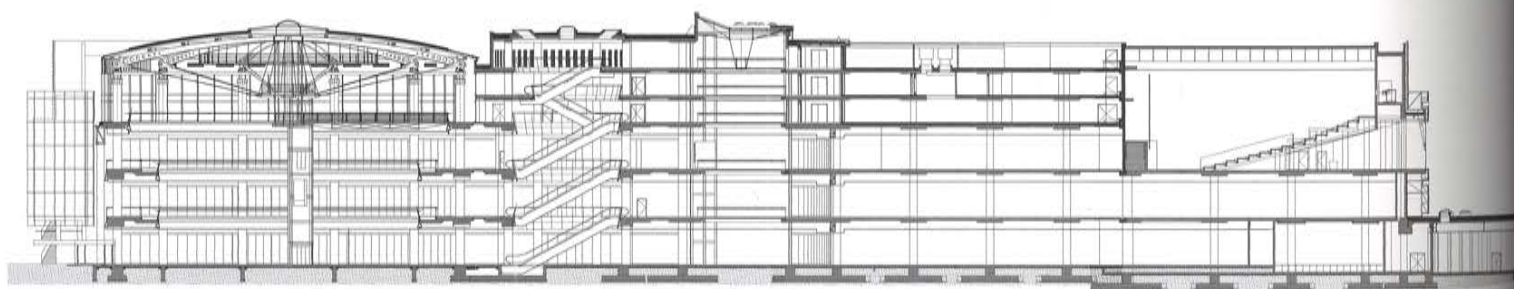
The skin of the building housing the central escalators, main lift shafts and shops are facing inwards towards the centre of the sculpture.

A one-sided, horizontal gallery of shops is juxtaposed with a vertical steel-glass sculpture housing the central escalators and shops facing inwards, and is separated from the upper sections of the building by a series of skylights.

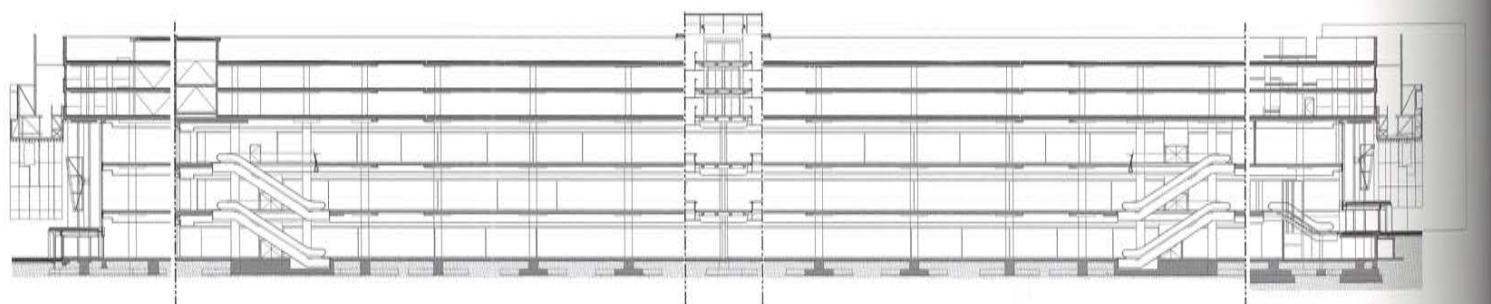




Section A



Section B



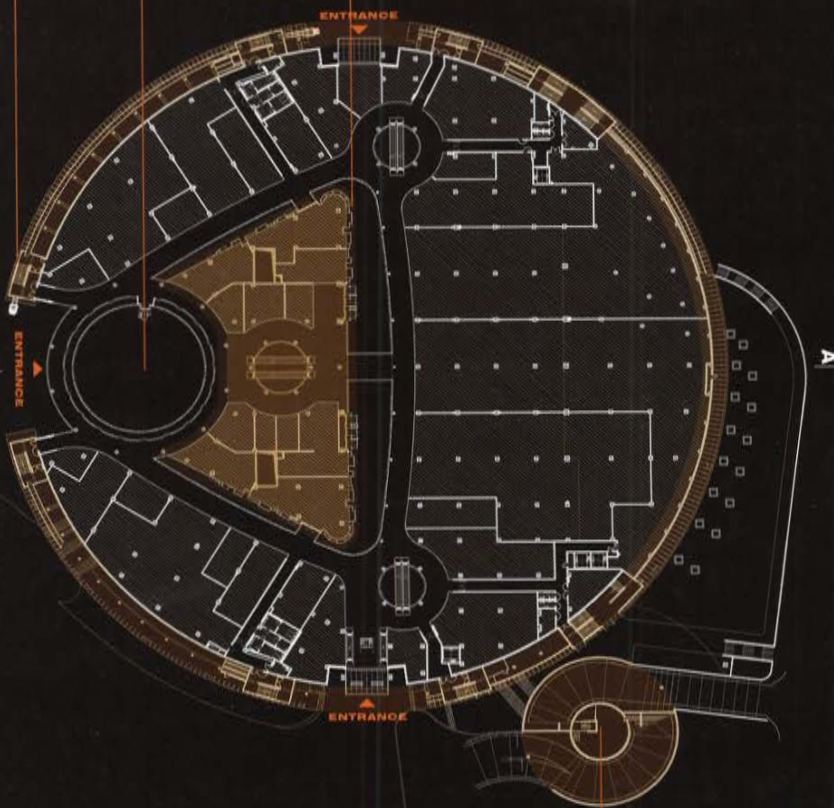




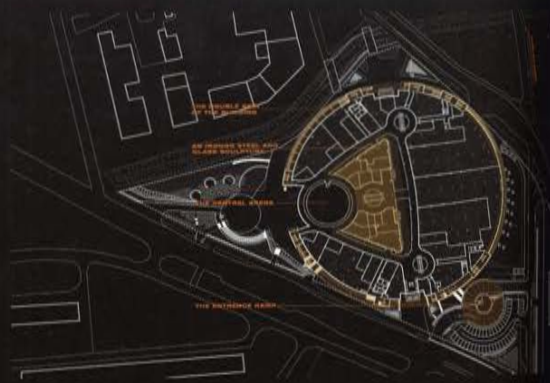




THE DOUBLE SKIN OF THE BUILDING THE CENTRAL ARENA AN INDOOR STEEL AND GLASS SCULPTURE



THE ENTRANCE RAMP



#### THE CENTRAL ARENA

The central atrium, which dominates the other building areas, is truly an arena for events.

#### THE DOUBLE SKIN OF THE BUILDING

This houses circulation routes and has an inner layer of perforated and embossed metal sheet.

#### THE CIRCULAR PLAN

The idea behind the circular plan was to construct a building, which would blend into the wedge of surrounding green and whose architectural form would avoid flat repetition. The circular plan provided the most universal and economical solution.

#### AN INDOOR STEEL AND GLASS SCULPTURE

The skin of the building housing the central escalators, main lift shafts and shops are facing inwards towards the centre of the sculpture.

#### CIRCULATION OF VISITORS

A one-sided, horizontal gallery of shops is juxtaposed with a vertical steel-glass sculpture housing the central escalators and shops facing inwards, and is separated from the upper sections of the building by a series of skylights.

Client: MGC Invest  
Volume: 439000 m<sup>3</sup>  
Site area: 3.3 ha  
Usable floor area: 69000 m<sup>2</sup>

**CUPRUM ARENA Shopping Centre.** In the 1980s, the region has a population of over 100,000, in declining the Cuprum area, and create a building that could become an emblem of this region. This is why we used metal sheet, copper in its many forms. The building, with its layers of perforations and embossed sheets, links to the role of copper in the region's technical tradition, which we had to save, and as the foundations for the multi-story, monumental AREA SUBJECT TO THE SERVICE OF SHOPS. The type and structure built in such location.

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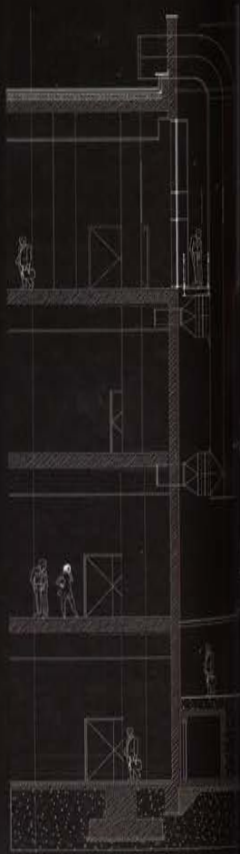
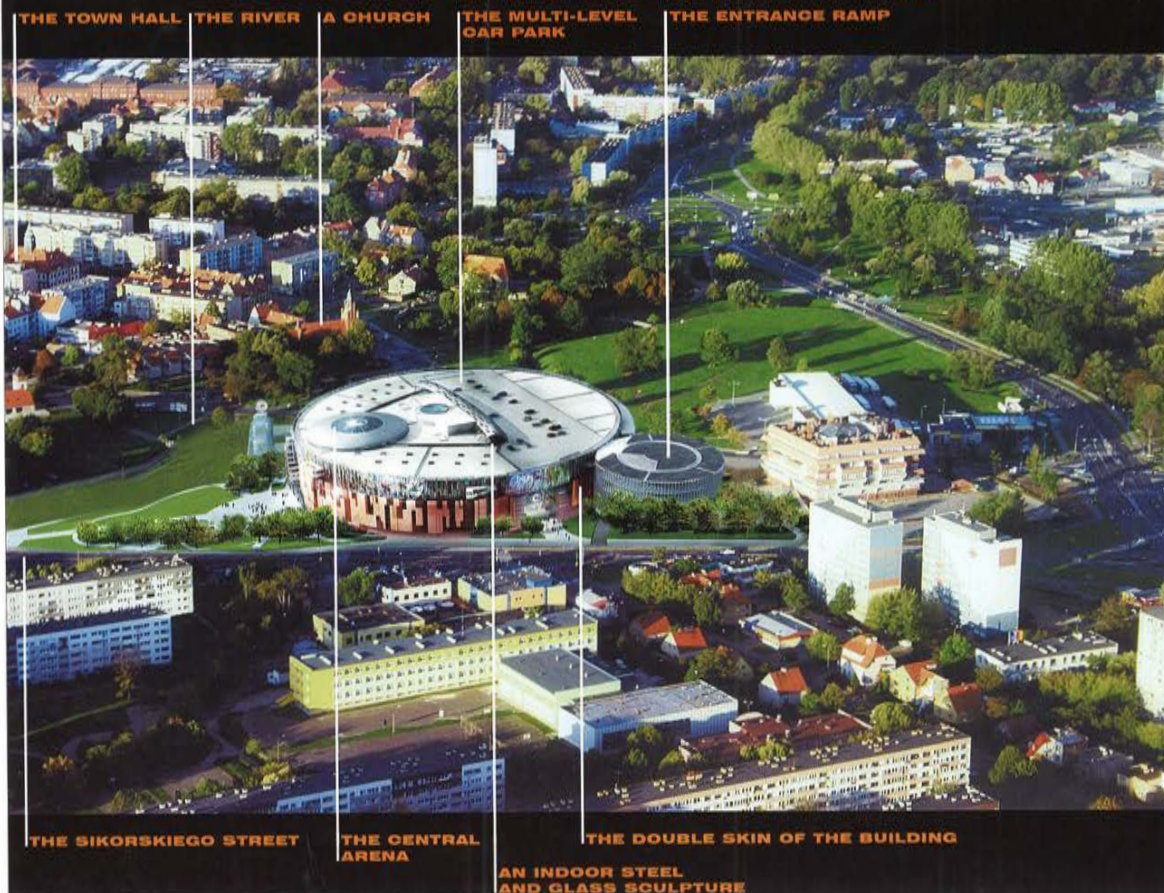
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**LANDSCAPING**  
Sense of diversified landscaping character, which is juxtaposed with a vertical steel-glass sculpture housing the central escalators and shops facing inwards, and is separated from the upper sections of the building by a series of skylights.

**FUNCTIONAL SOLUTIONS**  
CUPRUM ARENA comprises the following features:  
- a three-story gallery with retail, cultural, catering and parking functions;  
- a car park located on the three top levels, for cars, for rent, which can generally be used for sports/recreation, catering or other functions;  
- the northern entrance, situated on the shopping centre, creates a space for an important buffer and marks the street space;  
- the park entrance is situated on the level of the shopping centre, in the western element, which creates a space for an important buffer and marks the street space;  
- the southern entrance is situated on the level of the shopping centre, in the eastern element, which creates a space for an important buffer and marks the street space.

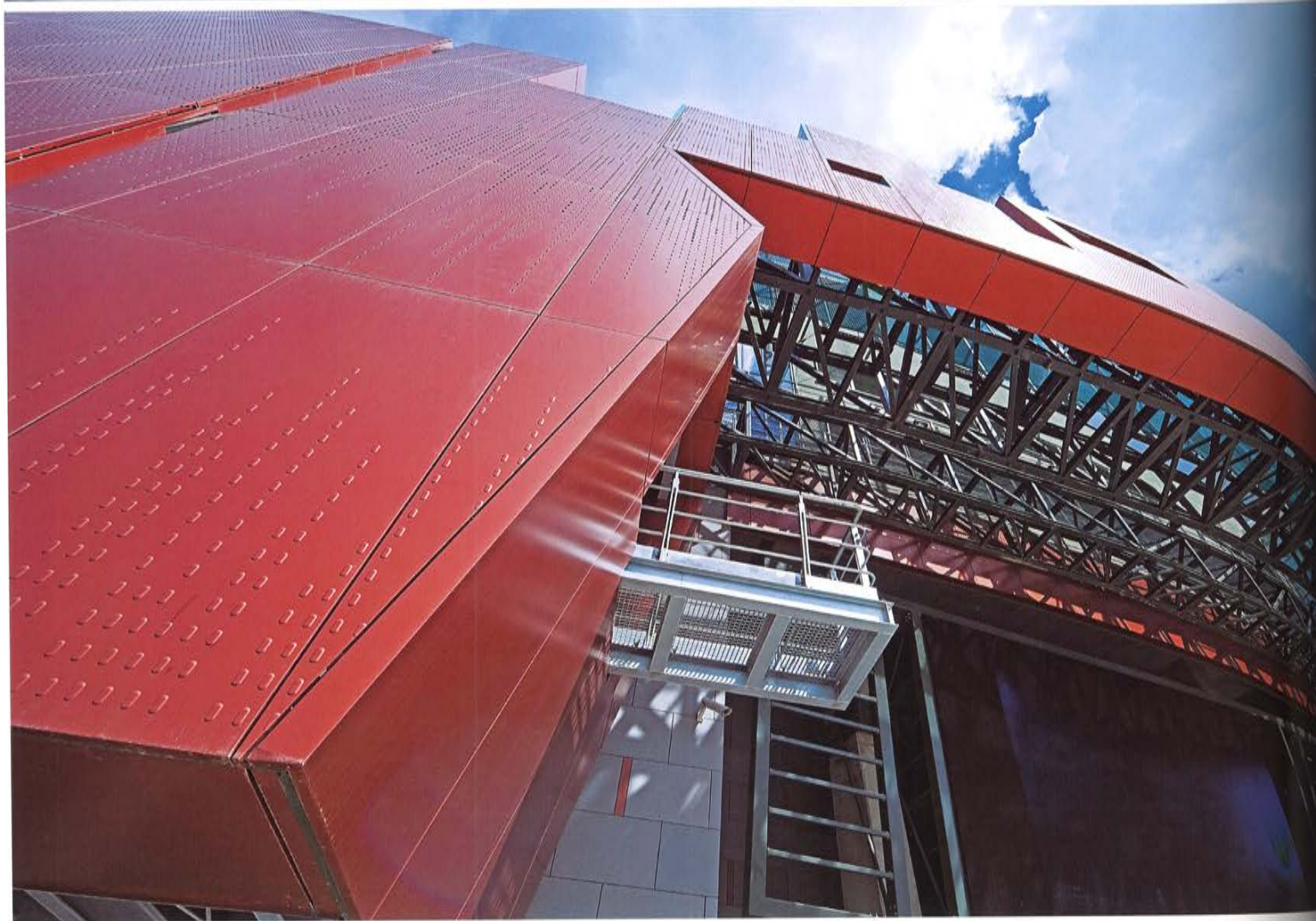
## URBAN AND ARCHITECTURAL DIAGRAM















购物中心位于波兰铜盆地的中心城市——  
在铜台购物中心的设计之初，建筑师就  
建筑成为该地区的地标，这也就是为什  
么大量采用近似铜色的金属。受到当地工  
艺，铜台购物中心体现出了层次多样、  
透明、透光的特点，赋予了现代世界中的  
新含义。

必须解决的一个纯技术问题：如何  
在沉降的区域打好地基，以便于修建  
的高楼。就建筑师们所知，这是到目前  
上在这种地况上所修建的最大的开放式

整个中央区域面积远大于其他区域，成  
为活动舞台。

设有安全通道和交通竖井，楼宇内层  
采用较薄的多孔金属板。

之所以选择圆形规划图，是因为他们想  
与周围的绿色融为一体，也避免使其外  
观单调乏味。因此，圆形的规划是最经济、  
最合理的。

中央配有多部自动扶梯，主要的电梯井  
位于中央区域。

中心一侧有一条商铺走廊，旁边是一座  
圆形的自动扶梯，铺面都朝向中心区域，  
一系列天窗将走廊与楼宇上部的其他部

















