

# [<u>A</u>-PARK], sustainability

History Former parade ground of Saxon military, surrounded Place Free square approx. 500 by 300 meter, on northeastern



A

by barracks. In DDR times renamed Platz der Thälmann-Pioniere. It became a and southwestern corner school buildings (kindergardens and day care cenrelaxing spot for residents of Albertstadt, Neustadt, and the rest of Dresden. ters). Overall flat area with steeper slope on the northern side under Tan-Nowadays it is an empty space with dilapidated mobiliar, serving as a relax- nenstrasse (there is even a K-7 ski jumping hill). There is also a former exte-



**OVERWIEV** The remodeling of Alaunplatz in Dresden focuses on enhancing sustainability and revitalizing the public spaces, with a primary emphasis on establishing a new water cycle within the park. This concept aims to create a harmonious blend of natural elements and urban infrastructure, providing residents and visitors with a vibrant,



\_\_\_\_\_ *5m* PARK WATER SYSTEM

#### **CONCEPT - Urbanistic Concept for Remodeling Alaunplatz in Dresden**

riculture: Integrate small-scale urban agriculture initiatives within designated areas of the park. This can include the new geodome in place of the former community garden, promoting sustainable food production, educating visitors about urban farming, and fos-

Rainwater Harvesting: Integrate a comprehensive rainwater harvesting system throughout the park. Paved surfaces as well as green tering a connection with nature. Renewable Energy Integration: Incorporate renewable energy sources, such as solar panels, within spaces will be designed to collect rainwater, which will then be stored and reused for irrigation. Sustainable Water Features: Incorporate the park's infrastructure. These installations will help power park facilities, including lighting, water pumps, and other amenities, reducing sustainable water features such as watering pits and places with meadow grass which holds more water than standard park cut grass. reliance on conventional energy sources and lowering the park's carbon footprint. Conclusion: The remodeling of Alaunplatz in Dresden embraces These features will not only beautify the park but also serve as natural filters, improving water quality and promoting biodiversity. a sustainable approach that places water cycle integration and the revitalization of public spaces at its core. By harmonizing natural elements with Permeable Surfaces: Utilize permeable paving materials in pedestrian areas to allow rainwater infiltration and minimize runoff. urban infrastructure, the concept aims to create an inviting, resilient, and environmentally friendly park. This urbanistic vision not only benefits This approach helps replenish groundwater levels and reduces strain on the stormwater system. Public Space Remodeling: Urban Ag- the local community by enhancing their quality of life but also serves as an inspiration for other cities striving for sustainable urban development.



#### FOUNTAIN

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Newly built on the northern slope, fed with a nearby well. Water flows down the slope from one basin to another and disappears on the lower side into the watering system accumulator. The irrigation system is fully automatically controlled by the amount of sun received by the solar panels, thus adjusting the amount of water needed for irrigation, the water is also purified along the way by aquatic plants, fish and other animals. The fountain thus complements the missing water feature in the park, which keeps the park green and fresh on summer days. Wooden and stone bridges allow for crossing the water safely or just for relaxing on the bank.



#### WATERING PITS

Depressed places filled with absorbent soil, planted with moisture-loving plants. A low stone wall built on a side, with naturally flowing profile, serves as a place for rest and relaxation.



# PICNIC LAWN

Mowed grass for higher load, a few tables with benches for those who don't prefer sitting on the ground. Enough maintained places for waste disposal, connected with the parking lot for food trucks.



### MEADOW

Areas of wild, uncut grass with perennial plants, serves for holding the rainwater and cooling the surroundings. Also serves to enhance biodiversity (many species of butterflies and other insects).



#### GEODOME

A greenhouse structure in place of community garden in the southwestern part of the park. Possibility of using solar heating in the winter and gardening throughout the whole year.



**ATELIER REHWALDT** DRESDEN, BRINGING WATER TO PARK

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