COMPLEX PROJECTS

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SEP 2017 - JUL 2018
CONTENTS

RESEARCH  40%
- site
- personal interest
- my 2050 vision
- research question & solution
- why swimming pool?

DESIGN  60%
- oud zuid strategies
- site location
- programme composition
- site inspiration
- external inspiration
- massing development
- programme visualisation
- plans
- facades and materials
- building technology
SITE
MEDIAN ASKING RENT OF OFFICE AREA, JAN 2017

- Centrum
- Noord
- Oost
- West
- Zuidas
- Zuidelijke Dwars
- Zuidoost
- Amstelveen
- Badhoevedorp
- Diemen
- Hoofddorp
- Schiphol

Euro per Sqm.
Decisions about investments in public transport still have to be taken. Projected North/South line from Amsterdam Zuid Station - Schiphol. Projected Amstelveen line from Westwijk - Uithoorn. Projected route change of line 51 to Ring Line. Projected closure of the Ring Line between Isolatorweg and Amsterdam Central Station. Projected East/West Line between Science Park - Schiphol.

THEME: CHOOSE THE BIKE AND PUBLIC TRANSPORT

Much of the success of Zuidas is down to its excellent accessibility, both by car and public transport, on foot and by bike. What is more, Schiphol is just a stone's throw away. Maintaining and continually improving accessibility is high on the agenda. The same applies to the quality of life and the quality of public space. Creating space for accessibility can be at odds with our ambitions to make Zuidas a pleasant place to be in. In order to guarantee long-term accessibility, users of Zuidas are encouraged to travel at different times or choose forms of transport other than the car. In order to make the bicycle and public transport valid alternatives, Amsterdam is investing substantially in both forms of transport. What is more, Amsterdam is committing to smart and efficient use of the existing infrastructure.

1 More space for public transport

The completion of the North/South metro line, the OV SAAL railway expansion project and the national High-Frequency Railway [Hoogfrequent Spoor] programme will significantly improve the public transport accessibility of Zuidas. What is more, Amsterdam is improving travel connections and regional public transport links (such as the possible extension of the North/South line to Riekerpolder and Schiphol) and will continue to do so in the long term. Amsterdam Zuid station is to become a high-quality and efficient station.
This map shows two important developments in Zuidas: a shift in accent away from work and more to residential and to improving accessibility by bicycle and public transport. During the coming 15 years the area is going to change into a mixed urban district with more than 7,000 homes. The residential programme is strongly represented in Gershwin and the adjacent subareas of Knowledge Quarter [Kenniskwartier] and Ravel. Amsterdam Zuid Station is growing into the gateway to Amsterdam. Space is available in the vicinity of the station entrances for bicycles, trams and buses. The public space around the station is intended for pedestrians. Some of the parcelling shown on this map is not yet definitive.
PERSONAL INTEREST
President: BARON A. SCHIMMELPENNINCK VAN DER OYE, LL.B.
Vice-President: P. W. SCHARROO,
Secretary General: G. VAN ROSSEM,
Treasurer General: P. W. WALLER,
Members: A. TH. G. COBLIJN, Jhr. E. C. U. VAN DONN, LL.B.,
C. A. W. HIRSCHMAN, A. B. VAN HOLKEMA, C. J. MARIS, J. W. ARNER.

The Committee 1928 appointed by the General Meeting on January 19th 1924 held their first meeting on March 7th 1924; Mr. SCHARROO, acting President, took the chair.

"Receiving the Royal Family at the entrance of the Royal Box."

"Her Majesty The Queen and Her Royal Highness the Princess with their suites in the Royal Box during the games."

"The Royal Family entering the Royal Box."
DUTCH SPORTS CULTURE
DUTCH PEOPLE ARE ACTIVE

Scheveningen New Year’s Dive
Percentage of population participating in sport at least once a week, European Union, 2013
regular sports participation, by district

PEOPLE IN AMSTERDAM ZUID ARE VERY ACTIVE
Sport Facilities in the Netherlands, 2012

Outdoor
- Private: 29%
- Municipal: 71%

Indoor
- Private: 45%
- Municipal: 55%

Swimming pools
- Private: 68%
- Municipal: 32%
MY 2050 VISION
OURSelves & Health
PHYSICAL HEALTH

MENTAL HEALTH
PHYSICAL HEALTH
MENTAL HEALTH
18% of the Dutch population has some form of mental disorder
childhood trauma
physical obstacles
social isolation
substance misuse
stress
injury
changing environment
abuse
loss
physical obstacles
social isolation
substance misuse
stress
injury
changing environment
abuse
loss
social interaction have a positive psychological impact
RESEARCH QUESTION:

What kind of sport or recreational facilities do we need to ensure that everyone has equal right to enhance our physical and mental health regardless social or financial status in 2050?
systematic change
site specific solution
WHY SWIMMING POOL?
MOST POPULAR SPORTS IN THE NETHERLANDS

RUNNING  SWIMMING  TENNIS

MOST POPULAR SPORTS IN AMSTERDAM ZUID

RUNNING  FITNESS  SWIMMING
indoor swimming pools
outdoor swimming pools
official outside swimming spots
water playground
2015

- City Beach
- Indoor heated swimming pool
- Paddling pool
- Canal

Sports halls x10
Gymnasiums x35
Football Fields x22
Tennis Courts x50
Hockey Fields x8
Swimming Pools x1.5

2025 +

- 820,000
+ 125,000

- 2025 +
The Baths of Caracalla, Lawrence Alma-Tadema
Medellin Aquatic Centre, Paisajes Emergentes
DESIGN
OUD ZUID STRATEGIES
EXISTING OPEN GREEN AREA CONNECTED BY WALKING/RUNNING TRAILS

WATERSPORTS PRESERVED

MAIN BIKE LANE
SITE LOCATION
BEATRIXPARK

landscape architect: Jakoba (Ko) Mulder

year finished: 1938
PADDLING POOL: KEPT
PLAYGROUND: REBUILT
ARTSENIJHOF: DEMOLISHED
ALDO VAN EYCK’S PLAYGROUND

sandpit
honeycomb
balancing beams
climbing mountain
climbing frame 1
climbing frame 2
jumping stones
Somersaulting frames
PROGRAMME COMPOSITION
FUNCTIONS

- Apollohal
- Rotebro Sports Hall
- Esberjg Streetmekka
- Mirandabad
- Guildford Aquatic Centre
- Les Bains des Docks
- Swimming Complex De Geusselt
- Copenhagen Harbour Bath
- Water Square Bentemplein

- sports hall
- swimming hall
- swimming pool
- services
SWIMMING HALL/SPORTS HALL

SWIMMING POOLS/SPORTS FIELDS

CAFE/CHANGING ROOMS

PUBLIC SPACE

= COMPOSITION

SPORTS COMPLEX IN PUBLIC REALM

COMPOSITION
PLAYGROUND: 15%
FOOD/BEVERAGE/RETAIL: 20%
WATERSPORTS: 10%
OUTDOOR POOL: 15%
INDOOR POOL: 25%
SPA/WELLNESS: 15%

PROGRAMME PROPORTION
PLAYGROUND

FOOD/BEVERAGE/RETAIL

OUTDOOR POOL
FREE

SAFE & CONTROLLABLE
EXTERNAL INSPIRATION
LANDSCAPE

山水

(mountain)  (water)
Poet on a Mountaintop, Shen Zhou
MASSING DEVELOPMENT
PROGRAMME VISUALISATION
PLAYGROUND

target group: children and their parents
open all day, free entry
the original paddling pool will be move to the centre of the playground, with other retro elements in Aldo van Eyck’s style, and series of slides.
also acts as meeting point

TOTAL AREA: 4071 m²
POOL AREA: 545 m²
SAND PIT: 180 m²
TOTAL AREA: 4467 m²
OUTDOOR AREA: 1470 m²
INDOOR SITTING AREA: 2721 m²
KITCHEN / STORAGE: 242 m²

RESTAURANT / BAR / CANAL DIPPING POINT

target group: everyone

open all day, free entry

the restaurant facilitates not only the whole complex but also the whole park and we are expecting customers from RAI and Zuidas for workday business lunch. The upper level with pool can hold events such as pool parties or rooftop
**SWIMMING HALL**

target group:
everyone, especially children and the elderly

open all year round, symbolic fee charged

the main body of the swimming complex, provides heated child pool and big pool for laps or water games, as well as a leisure pool connecting indoor and outdoor area.

**TOTAL AREA:** 7611 m²

**POOL AREA:** 1765 m²

**DECK AREA:** 3084 m²

** LOBBY & CIRCULATION:** 739 m²

**CHANGING ROOMS:** 1150 m²

**BACK OFFICE:** 1044 m²
WATERSPORTS CENTRE

Target group:
everyone, especially young people

Open all year round, charged as market price

Alternate of traditional rowing clubs. Provides coaching and rental services for everyone who enjoy watersports in the nice canals or the wave pool on the roof

TOTAL AREA: 2834 m²

STORAGE AREA: 1204 m²

LOBBY & CIRCULATION: 683 m²

CHANGING ROOMS: 392 m²

LOUNGE: 555m²
OUTDOOR POOLS

target group: everyone

open in summer, free of charge
going up the to the different sets of outdoor pools circulating the playground is just like hiking up along the crater mountain. it provides great view of the park as well as parents’ surveillance of the playground

TOTAL AREA: 6085 m²
POOL AREA: 2353 m²
DECK AREA: 3732 m²
SPA

target group: sophisticated customers

open all year round, charged as market price

provide luxury services for occasional treats or relaxing night with besties. big source for income of the complex

TOTAL AREA: 3034 m²
POOL AREA: 1064 m²
DECK AREA: 548 m²
TREATMENT ROOMS: 248 m²
LOBBY & CIRCULATION: 714 m²
CHANGING ROOMS: 322 m²
BACK OFFICE: 138 m²
FLOOR PLANS
FACADES AND MATERIALS
public changing room & bike parking

cement fiber 70%  
glass 15%  
stone cladding 15%

watersports centre

cement fiber 60%

glass 20%

stone cladding 20%

EAST FACADE
swimming hall
- steel: 10%
- glass: 90%

restaurant
- cement fiber: 60%
- stone cladding: 15%
- glass: 25%
INNER FACADE

swimming hall
- steel: 10%
- glass: 90%

watersports centre
- cement fiber: 50%
- glass: 40%
- stone cladding: 10%
BUILDING TECHNOLOGY
shear wall

cement fibre panels
stone claddings
reflective coated glass

concrete beams

concrete columns
OPENABLE SKYLIGHT FOR VENTILATION IN SUMMER GUTTER BETWEEN WINDOWS 20MM THICK DOUBLE GLAZING WITH REFLECTIVE COATING
ROOF SECTION
OF INDOOR SWIMMING HALL

ALUMINIUM FRAME WITH GUTTER

PHOTOVOLTAIC SOLAR PANEL
PROVIDES ELECTRICITY FOR LIGHTINGS

OPENABLE SKYLIGHT ALLOWS
VENTILATION IN SUMMER

20MM THICK DOUBLE GLAZING
WITH REFLECTIVE COATING

300MM H BEAM

150MM CIRCULAR HOLLOW STEEL BEAM

TRIODETIC SYSTEM JOINT

300MM SQUARE HOLLOW STEEL COLUMN
OPENABLE SKYLIGHT FOR VENTILATION IN SUMMER

GUTTER BETWEEN WINDOWS

20MM THICK DOUBLE GLAZING WITH REFLECTIVE COATING
DATA EMBASSY SWIMMING COMPLEX

SERVER COOLING

COLD WATER IN

UNDERGROUND WATER IN

WARM AIR IN

HEAT STORAGE IN AQUIFER

HEAT EXCHANGE

HEAT EXCHANGE

SERVER COOLING

COLD WATER IN

UNDERGROUND WATER OUT

SWITCH

FILTER / UV SANITISER

COMPRESSOR / CONDENSER / BOILER

HEATING / COOLING

HEATING / COOLING

BUFFER TANK

SOLAR LIGHTING

SPA / HEATED POOLS

COLD AIR OUT
DANK U WEL