# Analogous Trieste



## Situation Plan

- Trieste is a city pathologically decomposed by historical powers in play, importances of those times and depicted by architects and planners, city as an archive.

- Its biggest successes was achieved through Borgo Teresiano, which was a neighborhood with unprejudiced grid designed to give some respite and development to the city with thriving port.

- However in south part of Trieste due to growing consumption demands such quality was never achieved.

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## Site plan

- Somewhat analogous actions took place here in the south navigation canal. Canal itself and former functions became obsolete.

- However unlike Borgo Teresiano this part of Trieste has barely other things to offer, giant voids stands here for decades waiting for investors,

best ideas and nowadays demand - sustainability.

-One of these grand failed industries were Italcementi cement factory with its cableway leading from Italcementi factory in the port to the Karst's ridge.



**Rotation Facility Photo** 

- Quarry Cableways are one the most advanced and sustainable technology of consumption till this day.

-A system which helped to build this part of shrinking and partially obsolete utilitarian part of the city, with sometimes politically motivated neighbourhoods, urban planning and architectural techniques.





Tensioning Pillar Photo



Above Agricultural Lands



**Building of Turning Point Photo** 





Rozzol Melara (aka. Alcatraz) / Celli- Tognon architects, engineers

Borgo San Sergio (was aka. Bronx) / Ernesto Nathan Rogers





### Line Method

Elevated theoretical viaduct between the monumental city and the "future city" discarding all relationships for patinas, taste, mimicry.Whole devoid of meaning and contradiction, and tries to redis-

cover the essential elements of the urban physical reality itself - Casting relationship between existing objects and objects to be built, natural and "architected" landscape.

Luciano Semerani and Gigetta Tamaro / Progetto di Trieste. 1968

### Transfer of Analogies

Finding relationship between the monumental city and the 'future city' in a city where politics was everything.

Luciano Semerani and Gigetta Tamaro / La Città e i progetti serigrafia, 1973.





## Karst Before Quarry

Exposed to the Bora, unsuitable for agricultural crops and unproductive even as pasture, in 1882, by the Commission, its afforestation was established to create an artificial, experimental Bosco Bazzoni.



## Karst After Quarry

- The destruction of Bosco Bazzoni began irreversibly in 1954, under the Allied Administration of the Free Territory of Trieste.

- More than 200,000 square meters of wood, particularly rich in species, both for the varied substrate typical of the area, and for the numerous plantations carried out disappeared

- 1970s were the years in which the theme of "ecology" began to be received not only by ordinary people but also by political circles.



## **Trieste Quarries**

Sistiana, Aurisina, Faccanoni and San Giuseppe (Italcementi) quarries with latest technological novelties for natural resource consumpPalimpsest of San Vito Hill

San Vito hill shifts our perspective slowly behind the promontory. Panel portrays the palimpsest of San Vito Water Tanks, how infra-



structure can become reflection of Trieste's history and portrays temporality of architectural type.





Waterfront Before Italcementi Factory

Historic salines



## Waterfront After Italcementi Factory

Landscape was heavily altered and reclaimed with industrial waste.







Future Landscape

A no longer "industrious city".







Giorgio Grassi with Antonio Monestiroli proposal is fascinated by a city with particularly successful ideas of public spaces open to quays and future prospects, connection with nature





Rem Koolhaas's celebration and analysis of New York depicts the city as a metaphor for the incredible variety of human behavior caused by specific urban definition. Rem Koolhaas, Madelon Vriesendorp / The City of the Captive Globe Project, New York, New York, Axonometric. 1972 Attempts of finding urban definition for a paradigm of Borgo Teresiano to house a new metropolitan society and give a respite from port activities.

Trieste. Planimetric diagram of the Camerale District (from Trieste the neoclassical architecture - F. Caputo, R.Masiero)



The Analogous City Panel/Collage

Aldo Rossi in his panel celebrates the capacity of the imagination born from the concrete, from a memory circumscribed to a certain territory, proposing an alternative within reality, using it as sedimented material for proposing a future.



## Scrap Collage

In this situation, clearing itself is the only analogy here, it's scraps and ruins

Maybe this the true analogous city which allows to be designed day by day, out of materials which allows to be checked, worked out and adapted elsewhere.

This might be a true meaning of analogous actions, and where the humanity of architecture lies.





Cavart worked tirelessly to do away with bourgeoisie ideals and aesthetics, arguing for a more meaningful relationship between architecture and the environment. Their workshops often resulted in make-shift pop-up towns which were created from scratch in just a few days, with structures made with inexpensive, everyday materials which were easily accessible to all.

Self-initiated and self-produced competition managed by Cavart. 1975 24 /53



Casabella magazine described the result as "A curious temporary urbanity of architecture, both archaic and futuristic; a kind of hypothesis for a natural life for the technological man of the year 2000" A phalanstère a self-contained utopian community, working together for mutual benefit.



Self-initiated and self-produced competition managed by Cavart. 1975 25 /53



Potteries Thinkbelt was Cedric Price's critique of the traditional university system. Situated in a decaying industrial landscape, rather than in the usual urban or rural site.

Self-initiated and self-produced competition managed by Cavart. 1975 26 /53



Loss of Industrial Archeology

- Former productional facility is destined to be downsized and 40 000 m<sup>2</sup> demolished.











#### **Construction Details** Explication

#### Floating Boathouse Base

- 1A Square Profile Steel Frame
- 1B 205-litre steel drum 1C Ratcheting Tie-Down Strap
- 1D Perforated Steel Deck

## Applicability to Ground Condition



#### Drywall Foundation (Rests)

1E - Drywall Foundation (If stones are available) 1F - Recycled Steel Beam (~150 X 150 mm) 1G - Recycled Corner Elements for CLT panel support (~70 X 70 mm) 1H - Cross Laminated Wood (CLT) panel 5 layers - sp. 200 mm 1I - Openable Recycled Panel (1200 mm width)

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#### Inserted Box Detail

1J - Cross Laminated Wood (CLT) panel 5 layers - sp. 200 mm 1K - Sandwich Panel (Plywood insulated shell insulated with 100 mm rockwool) 1L - Recycled Corner Elements for CLT panel support (~70 X 70 mm) 1M - Recycled Steel Beam (~150 X 150 mm) 1N - Wooden Beam (125 X 200 mm)



#### Elevated Topography Foundation Detail (Rests)

10 - Elevated topography 1P - Recycled concrete slab from demolitions for foundation 1Q - Recycled Steel Beam (~150 X 150 mm) 1R - Recycled Corner Elements for CLT panel support (~70 X 70 mm) 1S - Cross Laminated Wood (CLT) panel 5 layers - sp. 200 mm <u>- | | | <del>- - - |</del> | | |</u>

1T - Existing Cableway Pillar (Min. capacity 2 tons)

X 150 mm) 70 mm)



#### Existing Pillar (Rests)

1U - Recycled Steel Beam (~150

1V - Cross Laminated Wood

(CLT) panel 5 layers - sp. 200 mm 1W -Recycled Corner Elements

for beam and pillar fixing (~70 X





2A - Panel Fixture with Carabiner 2B - Galvanished safety cable ( 5mm)



#### Inserted Box Roof Detail

3A - Re-used Steel Beam from demolitions (15X15) 3B - Profiles to form Roof Incline 3C - Recycled Steel Sheet for the Exterior Roof 3D - Roof Revolve Element 3E - Plywood Board 3F - Steel brackets for roof fixing to beam

3G - Sandwich Panel (Plywood shell insulated with 100 mm rockwool) 3H - Wooden Beam (125 X 200 mm) 3I - Profiles to form Roof Incline and Fix Parapet 3] - Cable for hanging panels fixed to Roof Beam 3K - Re-used Quarrying Trolley Frame 3L - Corner element covering trolley wheels

Suspended Corner (Without connection between floor and roof steel grids)

3M - Roofs Gutter 3N - Profiles to form Roof Incline and Fix Parapet 3O - Suspension rod for roof grid

#### Roof on Existing Pillar (Rests)

3P - Suspension Roof Fixture 3Q - Re-used Steel Beam from Demolitions (15X15)











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