

Technical Textiles: analysis and development about new application fields. Design about a system of components for urban equipment

by Cosimo Biasi

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The crisis of traditional textile sector, caused by reasons of competition of developing countries, that place textile products in competitive prices on the market (for evident reasons of low labour cost), has worked like a flywheel for the take off of Tessili ad Impiego Tecnico (TIT) [Technical use Textiles].

The great evolution that textile has been reaching in the last years, with more and more specific purposes, has been able thank to TIT. The transposition, from textile like clothe to TIT, open the market towards new uses.

That is possible by increasing new application fields and transferring systems, technologies and processes to different other transverse sectors.

The work of thesis develops the theme of Nature moving from considerations that the nature is disguised, compromise with artificial life and for this reason it has to compare itself with the pedestrian and his spaces of relationship, surrounding environment and with the town.

So my interest in nature is not nostalgic and enchanted like Marcovaldo's love of nature in the book of Italo Calvino.

The "natural weft", in my case "green weft" fixes not only the attention on a natural space that is end in itself, but it lays special stress on the concept of "space of relationship" (for specific activities) and its different kind of uses (management, environmental, production). The study deals with the technology of reinforced earths that can turn green again, while the mission is to move the know-how to a transverse compatible sector, found before: the urban equipment. So it starts with analysing the functions and its performances, and goes on the progress report of the connections to the ground.



The classification of urban equipment is ordered by the value of the components. The flexibility of geotextile products is very important for the design of differently combinable components (“open production for components”). So I think it could be right to consider that kind of products like semi manufactured products (fiddley opening, laminated plastic, extrusions) at low production cost and with a great expressive contents. After a thorough analysis on the peculiarity and use of the geotextile products, it has been possible to localize their application fields and to design equipments completely made of geotextiles.

The consciousness that urban equipment is not an abstract design, but it is strongly connected with the environment where it must be insert, allows the component to increase the expressive potentials and to give to the urban equipment a value added.

In fact, according to the studies of Kevin Linch, the perceptive continuity of “green weltf” helps the learning process of the urban morphologic structure.

DESIGN AMBIENTATO

ALCUNI CONCETTI INFORMATIVI GENERALI DI

Il grande segno urbano



FRUIZIONE DIFFUSA SUL TERRITORIO

APPRENDIMENTO DELLA STRUTTURA URBANA



LE REITERAZIONI



UNICITA' DEL SEGNO

L'integrazione fisica

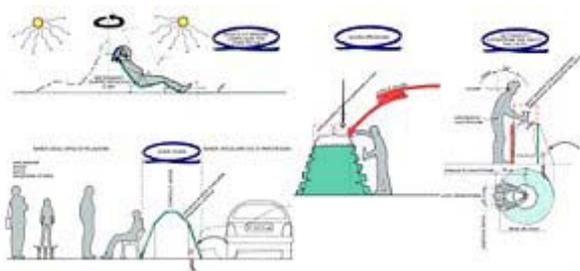


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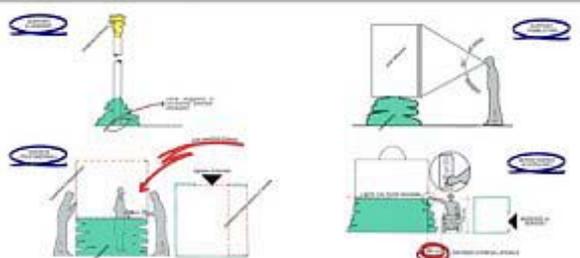


RIDUZIONE DEI SEGNI

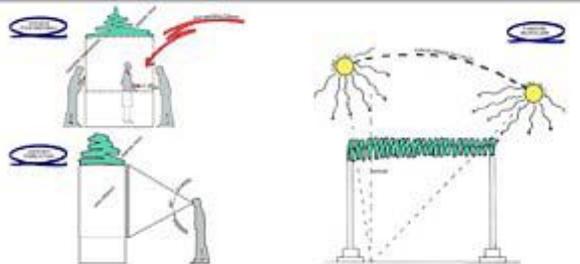
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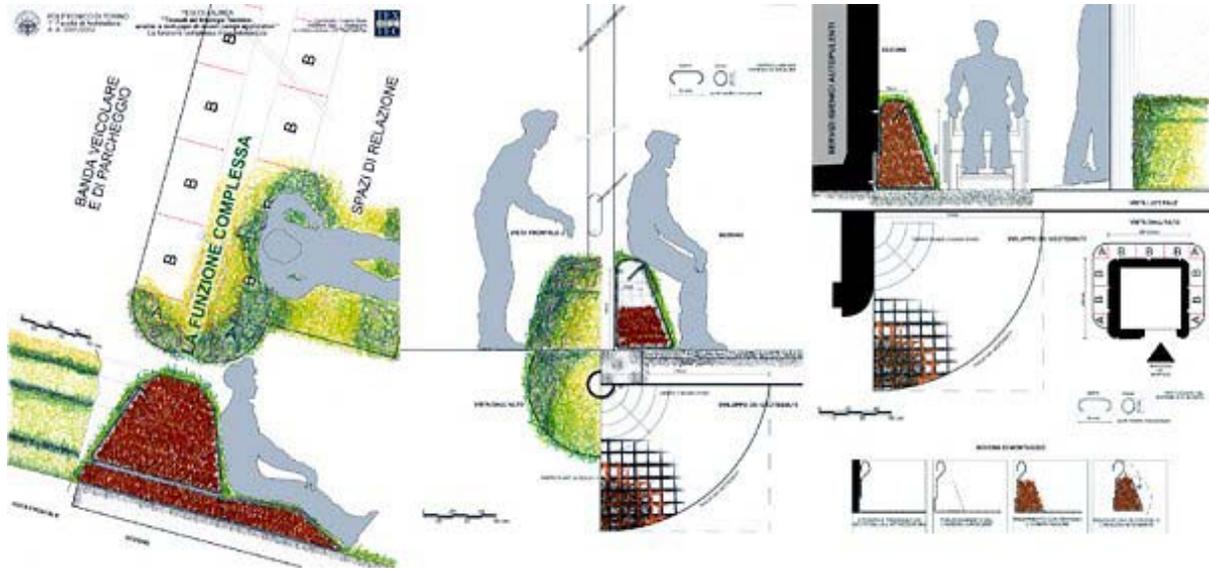


INTEGRAZIONE COPERTURA



It wouldn't be correct to design only one urban element.

In order to make the Linch thesis comes true, the bet was to manage urban equipment system so that “the urban image” (synthesis of the signs stored by the observer) returned from the “urban scene” (group of the elements that are able to establish a relationship between shape and space use) could allow a diffuse fruition on the territory.



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