

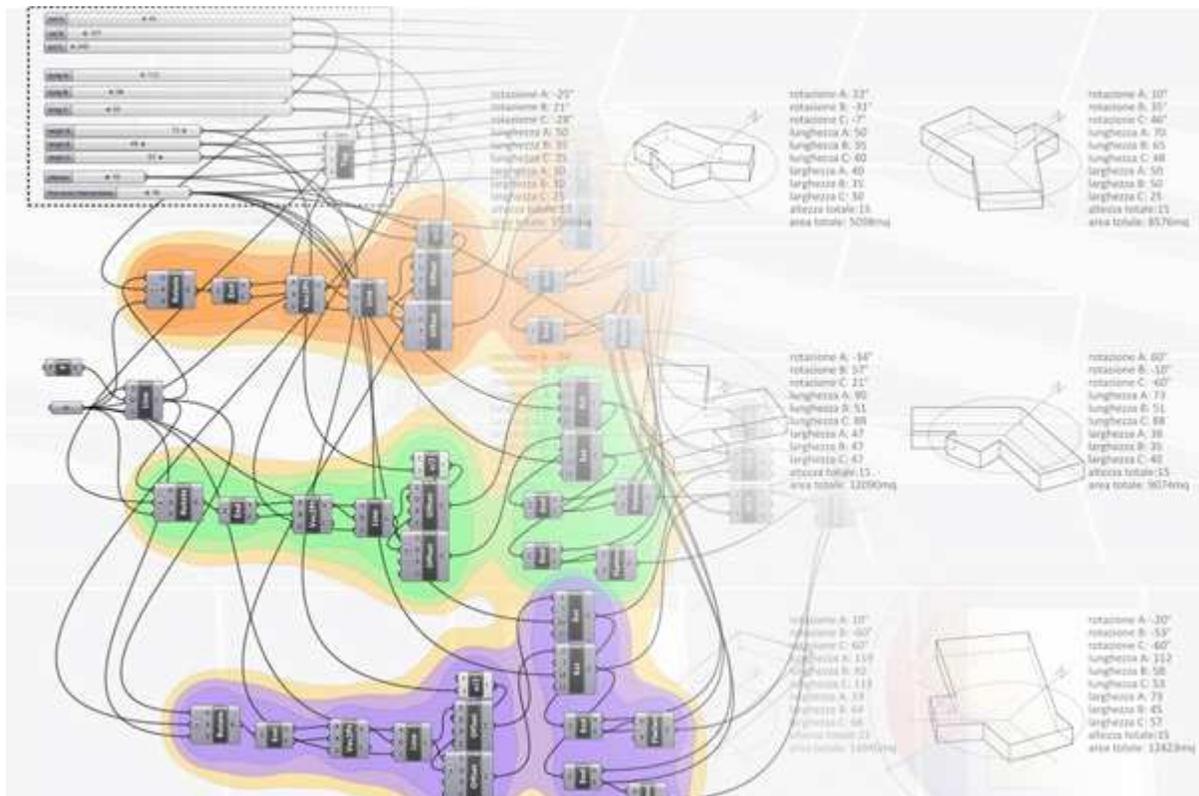
**A contemporary factory:
reflections and experiments for a new concept**

by Andrea Polato

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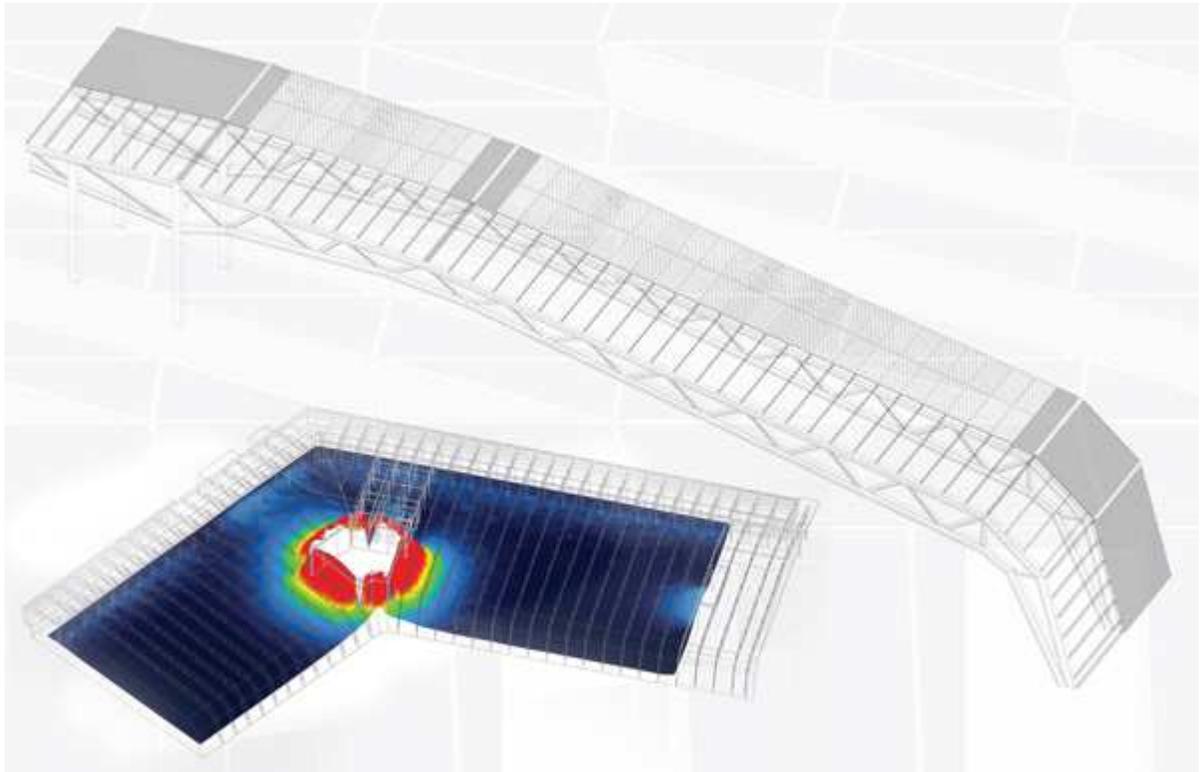
With this study is trying to define a new concept, an idea of a production factory and warehouse which contain a series of thoughts to improve the workplaces, be energetically affordable, that include building quality in front of the actual series productions.



In these years there's no necessity to build huge production complex that occupy too much portion of the territory: many factors as the outsourcing of production, outsourcing of the economy and the environment sustainable ideas, are changing the landscape of the production areas leaving the old building system.

The aim of this thesis is to find new organizational models, new forms and quality for a sector that had not be considered from the architectural practice.

The guidelines for this project are based on the relationship between the workers and the building, environment and structure, organization and fluxes. The pillar of the concept is to maintain the equality between every typology of employment: desk workers and production workers are placed in the same spaces: with this condition production areas are more linked to directive offices. Environment requirements for the offices bring positive qualities to the production areas with visual connections with the exterior and high light study.



For the construction process the aim was to maintain the lowest number of unique pieces and trying to find a modular system that could be easily produced by other factories. Natural light conditions was studied with specific illumination software; for this purpose optimization routines hab been scripted to define correct light level in every part of the factory.



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