



POLITECNICO DI MILANO

Department of Architecture and Urban Studies

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We develop architectural projects finalized to transform the highway environment.

The main question is probably the redesign of the service and rest areas, considering buildings, open spaces, borders, and access. They can be updated and opened to different activities and connections.

Projects can adopt the possible measures to contain energy consumption and ecological impact.

For example, reducing asphalt surfaces and increasing the permeable soil; limiting the warming effects of solar radiation onto the buildings; collecting and saving rainwater; creating a better outdoor microclimate with shading elements and windshields; reducing the impact of noise and pollution of trucks and cars; allowing better links, for humans and animals, between the two sides of the highway; increasing the connection between the highway and the spaces around.

The contribution of Building Technology, by prof. Gian Luca Brunetti, will define the technical contents through a performance-based approach, striving for appropriateness, sustainability, and constructability.

Are acceptable projects at architectural and landscape scales, located in any highway, in and outside Italy. Sites and programs will be chosen together with the student.

At this link: https://issuu.com/mmxiiipress/docs/syllabus_01_issuu are available some contributions, a selection of previous studio and thesis projects elaborated by the students in the last months, samples, and references.

Prof. Alessandro Rocca, Prof. Gian Luca Brunetti