DESIGN
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AWARDS

Raicam Driveline Factory

The goal of the project for the new Raicam Driveline factory in Mondovì was to create a comfortable, non-alienating environment for the factory's workers and employees. To achieve this goal, a green space was introduced inside the work spaces, with translucent roofing and a careful study of the use of natural light to illuminate the interior spaces. The production environments are developed around a green gallery, an element of aggregation between the production and the technical center, an indoor-outdoor space, usable at any time of the year. The gallery is inspired by the nineteenth-century commercial ones created in many European cities, but reinterpreted as an internal path. The natural lighting of the production space is ensured by the skylight windows on the roof, by the front wall completely in plexiglass that overlooks the gallery and the side walls, by a continuous glass window at eye's level which allows workers to perceive the outside at every point of production. The internal spaces of the tech center are affected by the sun's rays indirectly or after being filtered: the structural glass facade to the south-east, overlooking the green gallery, is reached by the sun's rays after they have been filtered by UV rays by the plexiglass roof. The north-west facade receives light through the screening made up of polypropylene ropes and climbing plants, so as to have a variable degree of shielding with season changing. The internal envelope consists of a high energy performance glass curtain wall, with a semi-reflective effect. The space between the two envelopes is used as a suggestive access and service path for employees. The natural lighting in the rooms is complemented by a high CRI artificial LED lighting system which ensures faithful color perception. In the external area surrounding the building, white birch trees have been planted, typical trees of the Langhe area. Year: 2021 Surface: 12.000 mq Cost: 5.500.000 €

Participant category: Small company (< 10 employees)
Company name: Rocco Valentini Architecture s.r.l.
Location: Mondovì (Italy)
Team: Principal Architect: Rocco Valentini Collaborator: Pierluigi Di Vito, Mariangela Fiammino, Chiara Valentini Consultant engineers: Giuliano Peverati, Alessandro Garzola



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