

GANGWAYS IN WATER TREATMENT AREAS

LOCATION

The plant manufactures rigid friction half-bearings with or without flange, captured bushings and back-up washers through mechanical machining operations and galvanic electroplating. The products are supplied to the main car and heavy-duty truck manufacturers, who require highest-quality products.

CLIENT

The company belongs to an international group supplying pistons, cylinder components, valve control systems and air and liquid filtration systems.

LOCATION	TRENTO (ITALY)
USE	WALKWAYS
PRODUCT	SCH 38/30_ IFR GRATINGS AND PULTRUDED PROFILES



OBJECTIVE

The plant specializes in the production of components and parts for the automotive sector. The plant manufactures rigid friction half-bearings with or without flange, captured bushings and back-up washers through mechanical machining operations and galvanic electroplating. The company conducts research on raw material composition. The plant requested the installation of pedestrian walkways to allow access to the technical water treatment areas. In particular, structures needed to be resistant to aggressive environments and easy to install (namely, modular, prefabricated and light) so as to avoid any interference with manufacturing activities.

SOLUTION

M.M. designed the new structures using pultruded profiles and gratings resistant to the most adverse weather conditions. For a better architectural integration, colours compatible with the typical colours of the surrounding area were selected. The structures were prefabricated and pre-assembled to reduce intervention in the site to a minimum. The intrinsic properties of the materials make this product durable and prevent the decline of its characteristics even when constantly exposed to atmospheric agents. The material is dielectric; as a result, M.M. gratings and pultruded profiles were classified as excellent insulators according to the EN 61340-2.3 and IEC 61340-4-5 electrical safety standards. The structures were manufactured using pultruded profiles designed and prefabricated by M.M..