

Schlüsselbauer Technology GmbH Factory Building Roof



> WELS / LINZ, AUSTRIA <

Introduction

Corrugated web beams has been used at the roof of the factory building project that is carried out by the Zeman & Co. company at the Wels province in Linz.

A light roof system has been created with SIN profiles at this roof structure which covers an area of approximately 3300m².

Within the framework of the project our company prepared the fabrication and erection drawings; carried out the production, fabrication of all steel members and handed over them to the client.

The project is completed between February-April 2008.

Features

Columns of the structure were designed from prefabricated members and beams were designed from various sections of WTB1250 and WTA1000.

In addition to the roof beams covering two main halls having the heights of 11.25m and 8.69m, widths 25.0m and 24.25m respectively crane way beams are also available at both halls

Slope of the roofs is taken as 5%.

Since the roofs are covered with a special trapezoidal cladding material, roof purlins were not used and the weight of the structure is even more reduced.

Benefits

Compared to classical solutions, 30% of the total weight and 20% of the construction period was saved by the SIN profiles, by which a significant gain was brought to the fast and economical completion of the project.

Further Information

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Project Summary

Client: Zeman & Co. GmbH

Duration: February - April 2008

Value: €242,000

Area: 3,300m²

Quantities: 46 tons SIN profile;
138 tons steel (total)

Project Scope: Preparation of workshop drawings; production, fabrication of steel carrier members and handing over them to the client

