



■ Commercial Buildings

Reference Details:

Owner Centro Verde Giovannelli Sas, Pietrasanta (LU), Italy +++
Sub-Contractor (roof) Woodsystem s.a.s., Moncalieri, Italy +++
Architect Dott. Antonio Rafanelli, Massa Carrara, Italy +++
Statics (roof) Dott. Marco Tobaldini, Turin, Italy

DSI Unit DYWIDAG S.P.A., Milan, Italy

DSI Scope Supply and installation of about 6.5 t Ø 32 mm, grade St 500/550 GEWI® Bars, including accessories



GEWI® Tendons reinforce roof structures

Construction of a new exhibition hall for the Giovannelli plant farm, Pietrasanta (LU), Italy

The new WOODSYSTEM Connection System, in which wooden trusses are prestressed with GEWI® Bars, is ideally suited for the roof structures of large halls, sport stadiums, trade show booths and large tents. GEWI® Tendons are ideally suited for this type of reinforcement application. The WOODSYSTEM is patented in North America and Europe.

A combination of the WOODSYSTEM and GEWI® Bars was used to erect the roof of a new plant farm in Pietrasanta located on the Italian coast between La Spezia and Livorno. The hall where plants will be exhibited in the future covers an area of 2,800 m². DYWIDAG S.P.A. supplied about 6.5 t

of Ø 32 mm, grade St 500/550 GEWI® Bars, including accessories to reinforce the laminated wood roof structure. The maximum span length is 39 m for this project. The new exhibition hall has now been well strengthened to resist the strong winds that frequently occur on that section of the coast.