



Underground-Station Fröttmaning



Figures and Facts:

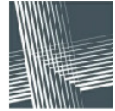
- ◆ Site:
Fröttmaning near Munich
- ◆ Owner:
City of Munich
- ◆ Planning:
Bohn Architects, Munich
- ◆ Construction:
May 2003 to April 2005
- ◆ Weight: 314 t

Building:

- ◆ Modernization of the Underground-station for the new stadium Allianz Arena.
- ◆ Filigree, tree-shaped steel structure for the roof spanning two station-platforms with a dimension of 210 x 38 m

Parts by Maurer Söhne:

- ◆ Planning, manufacturing and installation of the complete steel structure
- ◆ 7'200 m² roof-membrane of glass-fibre fabric, coated with PTFE
- ◆ 3 layers of paint on the steel-structure
- ◆ Responsible contractor for technical and commercial issues



1st phase of construction: Installation of steel-structure-halves



Tree-shaped supports with cast steel-gussets and drain-pipes



Girder for the discharge of smoke (in case of fire)

- ◆ Tree-shaped supports with cast steel-gussets
- ◆ Cone-shaped branches made of canted plates
- ◆ Wave-shaped, curved box-girders
- ◆ Bent supports for membrane, made of tubes, 133 x 6.3 mm
- ◆ Cables and rods up to a diameter of 36 mm for lengthwise stabilization
- ◆ The underground-line remained open during erection; the work was partly done at night



Maurer Söhne Headquarters

Frankfurter Ring 193, D-80807 München, Germany
 Phone +49 / 89 / 3 23 94 - 3 19
 Fax +49 / 89 / 3 23 94 - 3 55
 e-mail nolte@maurer-soehne.de
 Internet www.maurer-soehne.de

Maurer Söhne Branch Office

Zum Holzplatz 2, D-44536 Lünen, Germany
 Phone +49 / 2 31 / 4 34 01 - 0
 Fax +49 / 2 31 / 4 34 01 - 11

Maurer Söhne Branch Workshop

Kamenzer Straße 4-6, D-02994 Bernsdorf, Germany
 Phone +49 / 3 57 23 / 2 37 - 0
 Fax +49 / 3 57 23 / 2 37 - 20