

Extract of our Reference List

Biotechnology

F. Hoffmann-La Roche Pharma, Basel

MAB-Project

Monoclonal Antibody, Basel (CH)

All encompassing, detailed engineering plan for construction of a pharmaceutical production plant with a fixed price.

Planning of piping, pipe support and steel construction with anchorage.

Materials logistics.

Stress calculation according to PED.

4987 R – Units = 4200 pipes

DN 25 - 350

Planning period from March 2005 to January 2006.

Invested amount Sfr. 400 million.

Bioengineering Wald (Switzerland)

MAB-Project

Monoclonal Antibody, Basel (CH)

All encompassing, detailed engineering plan for construction of a fermentation plant with a fixed price, within the project of Hoffman- La Roche.

Fermentation of biological cells.

6x 20 liter fermenter, 6x 80 liter fermenter, 3x 400 liter fermenter,

3x 2000 liter fermenter und 6x 12500 liter manufacturing fermenter

Planning of piping, pipe support and steel construction with anchorage.

Materials logistics.

Stress calculation according to PED.

3800 R – Units = 3000 pipes

DN 25 - 150

Planning period from March to July 2005.

Invested amount Sfr. 50 million.

Hoffmann la Roche Vitamins (DSM)

VITEX 2000 Vitamin E plant at Sisseln. (CH)

All encompassing, detailed engineering plan for construction of a Vitamin E manufacturing plant with a fixed price.

Planning of piping, pipe support and steel construction with anchorage.

Materials logistics.

Stress calculation according to PED.

5200 R – units = 4500 pipes

36'000 m pipes

DN 25 - 700

Planning period from midyear 2001 to midyear 2004.

Invested amount Sfr. 180 million.

Completed 2004.

Various projects

- Kilo labor building 62 Basel
- New project building 50
- Reconstruction building 34
- Various small-scale projects

UHDE Inventa-Fischer AG (EMS / Inventa Domat Ems)

- Diverse polyester manufacturing plants in China

Uhde Inventa-Fischer AG 2005 :

All encompassing, detailed engineering plan for construction of a polyamide manufacturing plant with a fixed price.

Planning of piping, pipe support and steel construction with anchorage.

Materials logistics.

Stress calculation according to PED.

2000 R – units = 1400 pipes

DN 25 - 700

Novartis Pharma, Basel

Diovan manufacturing plant at Schweizerhalle .

Cooperation all encompassing detail engineering.

Planning of piping, pipe support and steel construction with anchorage.

Materials logistics.

Stress calculation according to PED.

2300 R – units = 1800 pipes

DN 25 - 300

Planning period from midyear 2003 to midyear 2004

Linde KCA Dresden

- Various plannings
- Leunawerke
- Bunawerke
- BSL Böhlen

Sulzer VOITH Ravensburg

- Oversize paper machine projects

Siemens KWU Erlangen

- **KKW Grohnde**
 - Steel constructions and DQ–steel construction
- **KKW Krümmel**
 - Reinforcement of supporting constructions and new constructions after Harrisbourg
- **Atuscha II**
 - Piping, pipe support and steel construction for calculated systems
- **KKW Brokdorf**
 - All encompassing, detailed engineering plan for construction of piping systems and piping supports of the reactor building with BPI-EMS
 - Engineering manager for detail engineering and processing of VPU stage 2
 - CM for reactor building
- **KKW Isar II (Konvoi)**
 - Cooperation in planning team at building site
- **KKW Biblis B**
 - Photogrammetric evaluation of Biblis B plant.
 - Construction of 3D – models with PDS INTERGRAPH
 - Reconstruction and retrofitting
 - Creation of VPU 1 documents
- **ZUNA**
 - Piping, planning of cable route- and cable support system
 - Various conventional GUD - Plants
 - Development of supporting catalog for 3D-editing
 - Development of piping material class für PDS 3D INTERGRAPH
 - Various supportings within the range of 3D INTERGRAPH
 - Photogrammetry

BBC/BBR (now ABB or Alstom) Mannheim

- **KKW Mühlheim Kärlich**
 - Engineering manager for middle- and low-pressure systems of the power-station
 - Engineering manager for the auxiliary building
- **THTR Hamm**
 - Steel construction and supporting constructions
- **KKW Leibstadt**
 - Engineering manager for middle - and low-pressure systems of the power-station

BASF Ludwigshafen

- Residue combustion burner 8 and 9
- Various chemical plants