

1994	ABB Nuremberg	Thurgau Germany	Generation of P&IDs
1994	ABB Nuremberg	KA Neubrandenburg, Germany	Basic Design and MTO
1994	Siemens AG UB KWU	Maoming China	Final Detail Design and Calculations for Piping and Supports
1994	Siemens AG UB KWU	CCPP Senoko Singapore	Basic Design of HP Systems including Piping Calculations
1994	Siemens AG UB KWU	Neckar (GKN1) Germany	Design Modifications and Calculations for various Systems
1994	Siemens AG UB KWU	Biblis B Germany	Static and Dynamic Piping Calculations for various Systems
1994	Rohrleitungsbau Chemnitz	Turbine 1 PCK AG Schwedt, Germany	Piping Calculations for HP Steam in Start-up Station
1995	Siemens AG UB KWU	Tapada do Quirio Portugal	Design accompanied by Piping Calculations for HP Steam with cold and hot Reheat
1995	ABB Nuremberg	RMVA Köln, Germany	Basic and Detail Design including Piping Calculations and MTO for the Piping Systems of the Water / Steam Circuit
1995	Sembawang, Singapore Siemens Power Generation Malaysia	CCPP Senoko Singapore	Supervision for final Detail Design of the Piping Systems including Piping Calculations (HP-Piping) in KUALA-LUMPUR / MALAYSIA
1995	IGL Ludwigsfelde	KW Schwarze Pumpe Germany	Calculations for District Heating Water System
1995	WTN Nuremberg	Klinikum Nord, VZ2 Nuremberg, Germany	Iterative Calculation for Steam Line. Static Piping Calculation for Condensate Line
1995	Siemens AG UB KWU	SBA ZAR Fürth, Germany	Final Detail Design for buried Piping
1995	Siemens AG UB KWU	KW Obernburg, Germany	Basic and final Detail Design of Piping Systems in Gas Turbine Building
1995	Hamon Lummus Bochum	Novy Urengoy Russia	Basic and final Detail Design of Air Condensers
1995	Siemens AG UB KWU	Angra II Brazil	Static Calculation for Pipe Supports
1995	Brochier Nuremberg	Hjörning Denmark	Final Detail Design of Piping Systems
1995	ABB Nuremberg	Penafiel Spain	Final Detail Design of HP Steam Line and Back Pressure
1995	ABB Nuremberg	HKW Frankfurt / Oder, Germany	Basic Design of the Piping Systems
1995	Siemens AG UB KWU	KW Tucuman, ARG 77 Argentina	Basic and final Detail Design of Piping Systems in Gas Turbine Building
1996	Hamon Lummus Bochum	King's Lynn England	Final Detail Design of Air Condenser Piping Systems
1996	Kraftanlagen Anlagentechnik München	SBA Fürth, Germany	Design of Cooling Water System
1996	Siemens AG UB KWU	KCB Borssele Netherlands	Support Drawings and Fabrication Isometrics
1996	Siemens AG UB KWU	KW Genelba ARG 279 2 x GT V94.3A Argentina	Basic and final Detail Design of Piping Systems in Turbine Building
1996	Siemens AG UB KWU	Neckar (GKN1) Germany	Erection Preparations, As-built for TF-System
1996	Siemens AG UB KWU	Modualizing PC- and PG-Systems	Final Detail Design
1996	Wabag Kulmbach	VE-Anlage Lonza	Detail Engineering for Piping Systems
1996	Wabag Kulmbach	YANG LIU QING China	Detail Design of Piping Systems and Supports for Water Treatment Plant
1996	GEA Energietechnik Bochum	RMVA Köln, Germany	Final Detail Design of Piping Systems for Air Condenser
1996	Siemens AG UB KWU	GTV 94.2 CP Dzershinsk	Piping and Support Design

2005	Koch, Transporttechnik Wadgassen	CCPP's NASSERIEH – ZAYZOUN / SYRIA	Basic and final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-PDS
2006	Kraftanlagen München GmbH	CCPP Herdecke	Basic and final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-PDS
2006	Siemens Power Generation Erlangen	CCPP Herdecke	Basic Design and Engineering for Piping Systems in the Yard Area using 3D-PDS. Basic and Engineering for miscellaneous Piping Supports
2006	Sofinel S.A. Branch Office Erlangen	NPP FA3 / Flamanville France	Basic Design and Engineering for Piping Systems incl. Supports, Stress Analysis and Flexibility Calculations as well as Layoutplanning for the Nuclear Auxiliary Building using 3D-PDMS
2007	AREVA NP GmbH Erlangen	NPP FA3 / Flamanville France	Basic Design and Engineering for Piping Systems incl. Supports for the Nuclear Auxiliary Building using 3D-PDMS
2007	Siemens Power Generation Erlangen	Nuclear Power Plant NPP OL3 / Oikiluoto, Finland (FINS)	Basic Design and Engineering for Piping Systems incl. Supports for small bores NPD<=50 using 3D-PDS
2007	Kraftanlagen Munich GmbH	GUD Linz Mitte 1B Austria	Final Piping Design and Engineering for the Piping Systems using 3D-PDS
2008	Sofinel S.A. Branch Office Erlangen	Nuclear Power Plant Taishan (TSN)	Design of Piping and Supports using 3D-PDMS for Nuclear Auxiliary Building
2008	Siemens Power Generation Erlangen	ZGK 900 Conventional Island for EPR	Reviews and Design of different Piping Systems, Support Concepts, Stress Analysis and Piping Material Classes
2009	AREVA NP GmbH Erlangen	ATMEA	Basic Design and Engineering for Piping Systems incl. Supports, Stress Analysis and Flexibility Calculations, Layout Design for the Nuclear Auxiliary Building using 3D-PDMS
2009	Siemens Power Generation Erlangen	ACT-ZGK054 Different studies of CCPP types	Piping Design, Support Design and Calculation using INTERGRAPH SmartPlant 3D
2010	AREVA NP GmbH Erlangen	ZuSi - ZK20	Design of Emergency Power Supply Diesel Building for KKW Isar 1
2010	Kraftanlagen München GmbH	KW Moorburg	Design of a temporary Arrangement for Blow-down and Acid Cleaning
2010	Kraftanlagen München GmbH	KW Reuter West Berlin	Design of temporary Piping and Supports
2010	Kraftanlagen München GmbH	KW Jänschwalde	Reconstruction of Support Design for HD Piping
2010	Siemens Energy Sector Erlangen	KW T-Power Belgien Belgium	Inspection of Support Design
2010	MEFA GmbH	KKW Doel Belgien Belgium	Static and dynamic Analysis for Supporting Structure Design



List of References

Year	Client	Project	Description of Work
1989-90	Fa. Noell Würzburg	European Windtunnel	Static Calculations
1989-91	Mannesmann Anlagenbau Munich	District Heating Power Station Munich North, Germany	Pipe Support Concept, Design and Calculation of Supports, Erection Supervision
1990-91	Preussag Anlagenbau GmbH Munich	Hoechst-Gendorf Water Cooling Station for Pesticides, Tin Plant, VE Water Supply	Basic, Detail Engineering for Revamp and new Construction
1990-91	Stork-Ketels Netherlands	MVA-Dordrecht (gevudo) HP, IP, LP Piping Systems	Final Detail Design including Calculations
1990-91	Hamon-Sobelco Brussels / Bochum	BASF-Antwerpen (BASANT) Cooling Plant	Final Detail Design for Piping and Supports including Calculations
1990-91	Preussag Anlagenbau GmbH Munich	Munich Airport II FH/FK-LW/TW-System District Heating/Cooling, Firefighting Systems	Pipe Support Concept, Design and Calculation of Hangers; As-built Measurements and Documentation
1990	Fa. Noell Würzburg	WD-Channel and Kinsan	Static Calculations for Locks
1990	Mannesmann Anlagenbau Deutsche Babcock AG	District Heating Power Plant Munich North ARGE IP/LP Piping	Construction Drawings for Piping Supports
1990	Brochier Nuremberg	MAN Nuremberg, Germany	Revamp HP Steam Line
1990	MAN-Energy GmbH	Power Station Ville / Berrenrath	Development of alternative Revamp Concepts
1990	Siemens AG UB KWU	KKW Unterweser / Reactor Building System TH50, Germany	Structural Analysis and Calculations of Piping Supports
1990	MAN-Energy GmbH Nuremberg	Power Station Hürth, Germany	Basic Design and Cost Calculations for Heat Exchanger Station for District Heating
1990	Siemens AG UB KWU	Dadri / India	Calculations for Fuel Oil System / UZA
1990-91	Siemens AG UB KWU	Power Station Etibank/Bandirma Turkey	Piping and Support Design and Calculations including As-built Measurements and Documentation

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1990-91	Brochier Nuremberg	WAA Sulzfeld, Germany	Piping and Support Design	1996	Siemens AG Power Generation (Malaysia)	Amata Bang Pakong CCPP Thailand	Design and Calculation of Piping Systems	1999	Brochier Nuremberg	CCPP Cuiaba Brazil	Final Detail Engineering and Flexibility Calculation for Piping Systems Steam/Condensate Cycle
1991	Deutsche Babcock AG	District Heating Power Plant Munich North REA and DENOX	Supervising and Design for Piping and Supports	1996	Siemens AG UB KWU	Huaneng Fuzhou Phase II 2 x 350 Power Station, China	Basic Design for HP, IP & LP Piping Systems in Turbine Building, Boiler House & Yard Area 3D-INTERGRAPH Piping Design	1999	Siemens AG UB KWU	Forschungsreaktor (FRM II) Munich	Cable Supporting Structure and Pipe Support Design
1991	Siemens AG UB KWU	Power Station Grohnde, Germany	Revamp of Auxiliary Systems Building	1996	Kraftanlagen Anlagentechnik München	RMVA, Cogeneration Power Plant Köln, Germany	Final Detail Engineering of Piping Systems, Supports and Calculation for Power Plant	1999	Siemens AG UB KWU	ALPM Hadera Cogeneration Power Plant Israel	Basic Design and final Detail Engineering incl. Flexibility Calculations for Piping Systems
1990-91	Brochier Nuremberg	ABB Sudan	Technical Work on Piping and Supports	1996	Siemens AG UB KWU	WKW Platanovryssi Greece	Basic and Detail Engineering of Piping Systems in Hydro Power Plant	2000	Siemens AG UB KWU	Nodco Refinery, Expansion Project State of Qadar	Basic Design and final Detail Engineering incl. Stress Analysis for Piping Systems
1991	Brochier Nuremberg	ABB / Grena, Denmark	Technical Work on Piping and Supports	1996	Lentjes mce Ratingen	CCPP Bratislava II	Basic Design of Piping Systems and final Detail Design of Supports	2000 - 01	Kraftanlagen Anlagentechnik München	KW Niederaußem Unit K / 950 MW Germany	Pipe Support Design in 3D-CAD Modelling for Auxiliary Piping System, Closed Cooling Water and Fire Fighting Water Systems
1991	Brochier Nuremberg	ABB / Soprocel, Portugal	Technical Work on Piping and Supports	1997	Brochier Nuremberg	MNI Malaysia	Final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design	2000 - 01	Brochier Nuremberg	San Pedro de Macoris 3 x 100 MW GUD Dominican Republic	Final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design
1991	Brochier Nuremberg	ABB / Wissington, England	Technical Work on Piping and Supports	1997	Siemens AG UB KWU	CCPP Otahuhu New Zealand	Final Detail Engineering and Flexibility Calculations for Piping Systems in Yard Area	2000 - 01	Kraftanlagen Anlagentechnik München	MHKW Mainz	Basic and final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTER-GRAPH Piping Design
1991	Brochier Nuremberg	Fa. Schöller Nuremberg, Germany	Piping and Support Design for Process Steam	1997	Siemens AG UB KWU	Industrial Power Station CSN Brazil	Basic Design of Piping Systems in Turbine Building including Yard Area and Fuel Supply	2000 - 01	Siemens AG PG	Pemex-Raffinerie Mexico	Piping Design of Instrument Air Systems
1991	Siemens AG UB KWU	Neckar (GKN1) Power Station, Reactor Building Cooling Systems Germany	Static and Dynamic Pipe Stress Calculations including Optimization of Pipe Support Concept	1997	Siemens AG UB KWU	CCPP Bridgeport Harbor UB KWU	Design of HP Steam	2000 - 01	Siemens AG PG	Arcel / Aracruz, Industriekraftwerk Brazil	Plant- and Basic Piping Design and Engineering incl. Flexibility Calculation using 3D-INTERGRAPH Applications
1991	Siemens AG UB KWU	Bibilis A Power Station Feedwater and HP Steam Germany	Static and Dynamic Pipe Stress Calculations including Optimization of Pipe Support Concept	1997	Siemens AG UB KWU	Hanfeng, 2 x 660 MW, coal fired Indonesia	Basic Design for IP & LP Piping Systems in Turbine Hall incl. Flexibility Calculation using 3D-INTERGRAPH Piping Design	2000 - 01	Siemens AG PG	Jämtkraft AB, Industriekraftwerk Sweden	Basic Design and Engineering incl. Flexibility Calculations for Piping Systems
1991	Brochier Nuremberg	Fa. Schöller Nuremberg, Germany	Basic / Detail Engineering, Erection Site Supervision	1997	Blohm & Voss Industry Hamburg	HKW Biomass-Power Plant Demmin, Germany	Basic Design and final Detail Engineering with Stress Analysis for the Piping Systems using 3D-INTERGRAPH Piping Design	2001	YIT Power Ltd. Finland	Huntstown, CCGT Power Plant Ireland	Detail Engineering with Flexibility Calculations and Support Design using 3D-INTERGRAPH
1991	Brochier Nuremberg	Siemens AG Hydro Power Station Aguamilpa, Mexico	Final Detail Design of Piping Systems, Supports, and General Steel Structures including Calculations and Documentation	1997	Brochier Nuremberg	Paiton, 2 x 610 MW, coal fired Indonesia	Basic Design and Final Detail Engineering with Stress Analysis for Piping Systems	2001	Caliqua, Powertec GmbH Switzerland	Hindalco, Industry Limited 2 x 80 MW (Industriekraftwerk) India	Basic and final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design
1992	Siemens AG UB KWU	Revamps of Various Nuclear Power Plants	Analysis, Detail Engineering, Static and Dynamic Pipe Stress Calculations including Optimization of Pipe Support Concept	1998	Siemens AG UB KWU	Yangcheng, 6 x 350 MW, coal fired China	Basic Design for IP & LP Piping Systems in Turbine Hall incl. Flexibility Calculation using 3D-INTERGRAPH Piping Design	2001	Brochier Nuremberg	Afam V GTPP Nigeria	Final Detail Design of Piping Systems
1992	Brochier Nuremberg	Fa. Schölle Various Construction Projects Nuremberg, Germany	Basic / Detail Engineering, Erection Site Supervision	1998	Siemens AG UB KWU	KKW Beznau 1+2, Project Erges Switzerland	Design, Anchoring Plans, Pre-Inspection Documentation, Support Drawings and Fabrication Isometrics	2001	Alstom Nuremberg	Kappa Baden Karton	Final Detail Design and Calculations for Piping Systems
1992	Siemens AG UB KWU	NAN-PU, Power Station Taiwan	Basic Design and Calculations of Piping Systems	1998	Brochier Nuremberg	CCPP Salta Argentina	Final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design	2001	Koch, Transporttechnik Wadgassen	Ter-Ribatejo Thermoelectric Power Plant 3 x 400 MW Portugal	Basic and final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTER-GRAPH Piping Design
1992	Siemens AG UB KWU	Power Station Gundremmingen, Germany	Detailed Final Support Drawings with in-house CAD System, „BQ-CAD“	1998	Brochier Nuremberg	Quena, Cogeneration Power Plant Egypt	Basic Design and final Detail Engineering and Flexibility Calculations for Piping Systems	2002	Siemens PG	Biomass-HKW Monopoli Italy	Layout Design
1992	Brochier Nuremberg	ABB Teststand Germany	Detailed Final Support Drawings with in-house CAD System, „BQ-CAD“	1998	Brochier Nuremberg	Industry Power Plant Leuna	Engineering for Turbine - Exhaust Steam Pipe and Flexibility Calculation	2002	Siemens PG	Biomass-HKW Malchin, Germany	Layout-Design and final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design
1993	Rohrleitungsbau Chemnitz	PCK AG Schwedt Turbine 6 Germany	Final Detail Design and Calculations for Piping and Supports	1998	Siemens AG UB KWU	CCPP Cuiaba Brazil	Basic Design and final Detail Engineering for Piping Systems in GT-Building	2002	Brochier Nuremberg	CCPP Campo de Gibraltar 2 x 400 MW Spain	Final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design
1993	Siemens AG UB KWU	Poolbeg Gasturbine Station	Final Detail Design for Piping and Supports	1998 - 99	Siemens AG UB KWU	CSN Brazil	Basic Design and Flexibility Calculations for Piping Systems incl. Site Supervision	2003	Brochier Nuremberg	CCPP Arrubal, 2 Units Spain	Final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design
1993	Siemens AG UB KWU	Khorasan, 3 x 8 MW Iran	Final Detail Design and Calculations for Piping and Supports	1998	Siemens AG UB KWU	CCPP Nehuenco Chile	Flexibility Calculations and Supports Statistics for Fuel Oil and Nox - Water System	2003	Brochier Nuremberg	CCPP Palos de la Frontera 3 x 400 MW Spain	Final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design
1993	ABB Nuremberg	District Heating Power Plant Ulm, Germany	Basic Design and MTO	1998	Siemens AG UB KWU	CCPP Salta Argentina	Basic Design and final Detail Engineering for Piping Systems in GT-Building and Yard Area	2003	Brochier Nuremberg	CCPP Tahaddart, 1 Unit Morocco	Final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design
1993-94	ABB Nuremberg	KW Östkraft Denmark	Final Detail Design and Calculations for Piping and Supports	1998	Siemens AG UB KWU	San Pedro de Macoris Dominican Republic	Final Detail Engineering and Flexibility Calculations for Piping Systems and Supports using 3D-INTERGRAPH Piping Design	2004	Framatome ANP	Nuclear Power Plant NPP OL3 / Olkiluoto, Finland (FINS)	Basic Design and Engineering for Piping Systems inclusive Supports, Stress Analysis and Flexibility Calculations, Layout Design for the Nuclear Auxiliary Building/ UKA using 3D-PDMS
1993-94	Siemens AG UB KWU	Bibilis A	Static Calculations to verify Design of Cable Trays and Switchboxes	1998	Technip Germany Düsseldorf	HWK GUD Cogeneration Power Plant Dormagen, Germany	Basic Design and final Detail Engineering and Flexibility Calculations for Piping Systems using 3D-INTERGRAPH Piping Design	2004	Framatome ANP	Nuclear Power Plant NPP OL3 / Olkiluoto, Finland (FINS)	Basic Design and Detail Engineering for Piping Systems inclusive Supports, Layout Design for the Fuel-Wet-Storage Building using 3D-INTERGRAPH Piping Design
1993-94	Siemens AG UB KWU	ASCO Spain	Static and dynamic Piping Analysis for HP Steam and Feedwater	1998	Stork Energy Niederlande	GUD Heizkraftwerk, 1 x 600 MW Dormagen	Integration with Overall General Design of boiler-based Steel Construction using 3D-INTERGRAPH-Modell	2005	Kraftanlagen ARGE Olkiluoto 3	Nuclear Power Plant NPP OL3 / Olkiluoto, Finland (FINS)	Final Detail Engineering and Flexibility Calculations for Piping Systems and Supports incl. Pre-Inspection Documents for Lot 2 of the Steam Turbine Building UMA using 3D-PDS
1993-94	Siemens AG UB KWU	Gundremmingen Power Station ZUNA, Germany	Support Design	1998	Siemens AG UB KWU	Lörinci / GTV94.2 Hungary	Basic Design and final Detail Engineering for Piping Systems	2005	Framatome ANP	Nuclear Power Plant NPP OL3 / Olkiluoto, Finland (FINS)	Preparation of Erection- and Pre-Inspection Documents for Piping Systems incl. Supports for the Nuclear Auxiliary Building / UKA
1993-94	Siemens AG UB KWU	Computational solid Mechanics, Verifications with ANSYS		1999	Babcock Rohrleitungsbau Osterode	HKW GUD Cogeneration Power Plant 1 x 600 MW Dormagen, Germany	Basic Design and final Detail Engineering for Piping Systems Yard Area and Pipe Bridges incl. Steel Structure	2005	Framatome ANP	Nuclear Power Plant NPP OL3 / Olkiluoto, Finland (FINS)	Preparation of Erection- and Pre-Inspection Documents for Piping Systems incl. Supports for the Nuclear Auxiliary Building / UKA
1994	Sembawang, Singapore	Paka / Pasir Gudang 3 x 400 MW CCPP Malaysia	Final Detail Design and Calculations for Piping Systems	1999	Brochier Nuremberg	ABB-Power Plant Cogeneration Power Plant Flingern / Düsseldorf, Germany	Basic Design and final Detail Engineering for Piping System incl. Flexibility Calculation				
1994	ABB Nuremberg	Velsen Germany	Basic Design and MTO	1999	Brochier Nuremberg	ABB-Power Plant Cogeneration Power Plant Flingern / Düsseldorf, Germany	Basic Design and final Detail Engineering for Piping System incl. Flexibility Calculation				