

Professional resume

PRESENT POSITION: Fachbauleiter Kessel Uniper Datteln 4

NAME: van der Horst, Mees B.
YEAR OF BIRTH: 1956 (July)
NATIONALITY: Dutch
CIVIL STATUS: Married
EDUCATION: B.Sc. degree Maritime Engineering
LLB (Bsc Law) Degree, Contract Law,
Various courses, presentation, firefighting, safety, welding, computer (all Microsoft programs)
LANGUAGES: English (good), German (fair) Dutch (fluent).
EXPERTISE:

- Site Construction Management, Boiler Department Management
- Boiler and Power Plant
- HP Piping, Boiler, LP Piping, Burners (all Fuels), all related equipment (Pumps, Fans, Mills, De-ashing, Environmental control, Coal supply etc.).
- Design, Engineering, Construction & Commissioning, Maintenance and Training for Boiler and power plant.
- Steam turbine fabrication, construction, commissioning and maintenance.
- Extensive knowledge of all related codes (ASME, PED, DIN, TRD, EN etc)
- Extensive knowledge of instrumentation, electrical, DCS, logics, control loops etc
- Proposal Engineer for multitask projects.
- Trouble-shooter on Power projects
- Worldwide experience in multi-cultural & multi-disciplinary teams
- Product specialist for Boiler, Mills, Fans, Pumps, Piping, Burners and all related boiler equipment.

EXPERIENCE

2019(1) – Present *Boiler Construction Manager* for owner (Uniper Datteln4). In charge of erection and commissioning of an ultra-supercritical 280 Barg, (1 100MWe) Benson once through Hard Coal fired Boiler including all related equipment. Contractor MHPSE.
Responsible as owner representative for the complete boiler incl. related equipment, construction & commissioning as well as quality, safety, progress, interfaces. Reporting to site manager and project director. Current position is the exchange of T 24 material (boiler walls) to 13CrMo4.5. Team leader of end client boiler construction team consisting of safety officers, quality/welding inspectors and shift construction operators.

2014(7) – 2019 (1) *Site Manager (Project Director 05/18 to 01/19), Construction Manager for all units. Unit Manager 2,3, 4, 5 & 6,* for Mitsubishi Hitachi Power Systems South Africa. MHPSA is constructing 6 pc 800MWE supercritical hard coal fired once through boilers and related equipment like bag filter, mills, fans etc. Unit 6 synchronised 2/3/2015. Commercial operation 23/8/2015. Unit 5 synchronised 8/9/2016. Commercial operation 2/4/2017. Unit 4 Commercial operation 18/11/2017. Unit 3 Synchronised 8/4/2018. Unit 2 Synchronised 7/10/2018. Medupi is located in Limpopo province South Africa and is the largest dry cooled power station in the world. Responsible as MHPSA representative for Boiler works (complete scope, incl Powerpiping & Civil engineering) , Safety, Progress and Quality. Reporting to the Management board and for technical issues to the Head of Engineering. Current completion status is 99%. >>>

2013(11) – 2014(7) Head of Technical Services TSBE Alstom.

Setting up of boiler service department for Alstom Stuttgart, due to GE acquiring Alstom, all branch offices were restructured.

2010 – 2014(7) Boiler Construction Manager for owner (E.On/Uniper MPP3). In charge of erection and

commissioning of an ultra-supercritical 280 Barg, (1 100MWe) Benson once through Hard Coal fired Boiler including all related equipment. Contractor Hitachi Power Europe. Responsible as owner representative for the complete boiler incl. related equipment, construction & commissioning as well as quality, safety, progress, interfaces. Reporting to site manager and project director. Biggest single hard coal fired unit in the world at that time. Extensive involvement with boiler materials and the welding of these materials. Boiler is constructed in the wetted parts of T 24. First and only unit of this type in the world to go online without the T 24 related problems. Team leader of end client boiler construction team consisting of 3 safety officers, 5 quality/welding inspectors, 1 boiler coordinator, 4 shift construction operators and various contractors

2009 – 2010 Branch Manager – NEM Energy Services, Hengelo

Responsible manager of 14 FTE (higher- and secondary college level, work preparation and estimating). Estimated yearly turnover of Hengelo branch approx. EUR25Mio.

2000 – 2008 Senior Service Specialist – NEM Energy Services, Hengelo

- Crash build of a 22 MW Steam turbine at OEM location (Italy) and turnkey delivery incl. BOP and steam turbine installation on behalf of owner (AVR, BEC the Netherlands). Responsible as owner representative for complete construction and commissioning with outsourced contractors and purchasing of steam turbine and BOP on a very tight deadline. The end client required a completely installed turbine package and BOP within 6 months to meet government deadlines. Turbine package was built with outsourced contractor at turbine OEM location (Italy). The turbine package was installed (Netherlands) with outsourced contractor and commissioned within required deadline. Several critical turbine parts were outsourced to speed up delivery. Reported to owner project director. Also, deeply involved in the financial structure and sub suppliers of the project because turbine package supplier was in a chapter 11 situation.
- Root cause analysis on a WHB & CO Boiler failure at Repsol Refinery in Lima, Peru.
- Commissioning trouble shooting for MAN Ferrostaal, 2 NEM WHB, BOP and Toshiba steam turbine in Venezuela including Yokogawa DCS.
- Commissioning troubleshooting for SFL, 4 WHB in Bangladesh including DCS. Contractor representative (Standard Fasel Netherlands), closing down of the new build division of SFL required ongoing projects to be finalised. Responsible for site engineering, interfacing, construction & commissioning. Reporting to the closeout project manager of SFL.
- Recommissioning of a 220 Ton/hr Fired Boiler for E.On the Netherlands.
- Construction & Commissioning of a 390 Ton/hr CO Oxidizer & WHB Boiler after an FRCC for JGC in Sohar (Oman). End client Sohar Refining Company. Contractor representative (Standard Fasel Netherlands), closing down of the new build division of SFL required ongoing projects to be finalised. Responsible for site engineering, interfacing, construction & commissioning. Delivered project on time with no external claims to SFL. Reporting to the closeout project manager of SFL. >>>

- Construction modification and Commissioning of a fluidised bed installation burning paper process waste for TRV (Avira Duiven).
Contractor representative. Extensive modifications to the boiler in order to achieve contractual values. Original OEM had left site. Responsible for pre-, site-, and reverse engineering, interfacing, construction and commissioning. Reporting to project manager.
- Troubleshoot, Construction & Commissioning of 10 MW Biomass fired Turnkey Project for NUON Netherlands.
Owner representative, OEM was in chapter 11 situation, Responsible for reverse and site engineering, electrical, instrument engineering (incl. DCS), construction, purchasing, commissioning. Responsible for complete outsourced manpower (25 men).
Plant delivered on time. Reporting to Project director of owner.
- Customer training on boiler and power plant for various customers including KNPC (Kuwait), Siemens (Bangladesh), JGC (Oman).
- Inspections (boiler & piping) for various customers including Shell and Local and worldwide Power generators (Essent, E.On. Nuon, Rousch / Pakistan, Corus, AVR etc).
- Development and implementation of Maintenance concepts for power plants.
- Burner installation and commissioning for Aramco (Saudi Arabia).
- Modification of 7 SFL boilers incl. firing at Brunei BLNG

1997 – 2000

Site and Construction Manager Incl. Commissioning – Stork Energy, Hengelo Netherlands
OEM representative in charge on site, responsible for construction, interfacing, quality, progress, safety, subcontractors, commissioning (complete scope). Daily contact with EPC or Client. Reporting to project manager.

Dormagen, Germany

Combined Heat and Power Plants (boilers & piping) for RWE, turnkey (1200 MW)

Mariager, Denmark

Combined Heat and Power Plant (boiler & piping) for AKZO Salt (60MW) & duct burners gas, turnkey

EneMalta, Malta

Combined Heat and Power Plants (boilers & piping) for EneMalta, turnkey (120MW)

1992 – 1997

Senior Commissioning Engineer – Stork Ketels, Hengelo

Commissioning engineer in charge on site for OEM and Joint venture partners (complete scope). Responsible for commissioning of all contractual required installations, overseeing commissioning of all OEM and joint venture partners or subcontractors, including DCS, electrical, instrumentation. Daily contact with Client and partners
Reporting to Head of Engineering for technical issues and to project director for all other.

Shell / Netherlands

Waste heat boiler after Cat cracker, turnkey. First low pressure vertical WHB with natural circulation for OEM. >>>

Velsen / Netherlands

Combined Heat and Power plant 200 MW, Mitsubishi-blast furnace gas, turnkey, complete plant delivery. Steam turbine, HRSG, Gas compressor, Generator. First power plant of this type in Europe, 2nd Power plant of this type in the world. Delivered on time.

Moerdijk / Netherlands

Combined Heat and Power plant 480 MW, BOP condensers, piping, vessels, pumps, turnkey

Eerbeek / Netherlands

Combined Heat and Power plant 45 MW, firing and BOP, turnkey.

AVR Ketel O / Netherlands

Waste Incinerator

Hemweg B / Netherlands

Hard Coal Fired Benson Boiler, supercritical 280 Barg, steam production 2000 ton/hr & Low Nox Burners gas/coal, coal transport, coal mills, ash handling, E-filters, air/flue gas ducting, turnkey. Biggest single unit supplied by OEM.

1987 – 1992

Garage Manager – Air Products, Rotterdam

Responsible Maintenance Manager for 40 specialised truck/trailer combinations including high pressure CO, liquid Hydrogen. Supervised 3 mechanics. Responsible for yearly budget, purchasing, interfacing with clients on the specialised trailer requirements mainly CO and liquid hydrogen. First in Europe with liquid hydrogen and high pressure CO bulk trailers. Development and Implementation of a Maintenance Schedule for Liquid Gas Road-tankers including Liquid Hydrogen. Iso-9000 pre-qualification.

1980 – 1987

Watch keeping Officer – Royal Dutch Shell

Watch Engineer on various steam and motor driven tankers.
Qualified as Chief Engineer, any horsepower, any propulsion.