

## Curriculum Vitae

### Han van Gorp

#### Current status: self employed.

2005-2017

#### **Consultant, Gas/oil field development Energie Beheer Nederland, Utrecht, The Netherlands**

On a consultancy basis (0,6 FTE) evaluation and consultation process engineering and development issues of gas- and oil fields offshore the Dutch continental shelf. As project advisor involved in TAQA's Bergermeer Gas Storage project and NAM's Schoonebeek oil re-development project, two of the largest projects recently in Holland in terms of CAPEX; valued at EUR 0,7 mrd and EUR 1 mrd respectively. Furthermore, as a share holder representative involved with many Dutch offshore activities, with emphasis on costing, project evaluation and contractual affairs. Tasked with many 'specials', like the ROM valuation of the full development portfolio (RC1-8), some 800 projects. Participated in data-room evaluation, responsible for technical evaluation and valuation advise of a number of various sized intended Oil and Gas acquisitions.

2014-2015

#### **Consultant, Project Support QCP BV, Geleen, The Netherlands**

On a consultancy basis (0,4 FTE) providing project- and process engineering support and permitting support. The company, a start-up, has built a world-class poly-olefins reprocessing plant. The capacity and capabilities of the plant is such that it will capture virtually all of Dutch supply of circular plastics. Main responsibilities are the application of the WABO permit, process engineering support and project engineering support, focussing on scheduling and scope discipline.

2012- 2014

#### **Consultant, Engineering support Tullow Oil Netherlands, The Hague, The Netherlands**

On a consultancy basis (0,4 FTE) providing engineering and cost engineering services regarding concept selection for development of future production facilities. Supporting the Asset Management of non-operated Dutch gas production assets.

In 2013 member of the team to prepare the IM and data room for the then intended divestment of Tullow Oil Netherlands.

2011

#### **Topell Energy, The Hague, Holland**

Provided on a call-off basis project evaluation and 'cold eye' reviews for a commercial scale demonstration plant of an innovative new development to pre-process wood for the power industry.

2008-2009

#### **Sr. Project Manager, DSM Geleen, The Netherlands**

Responsible for establishing the project team and subsequently the Front-end engineering, project management and contracting of all engineering and construction contracts regarding the relocation of a Nitric Acid plant from DSM's production location at the Corus site in IJmuiden to the Chemelot site at Geleen. Responsible for defining the framework for the operations phase, like the plant documentation structure, operations requirements, maintenance requirements and setting the framework to achieve operational readiness.

The plant has started up in July 2010, within schedule, under budget and performing above expectations.

2008

#### **Consultant, Acquisition of Gas/Oil properties for NUON.**

As member of an acquisition team participated in the purchase and intended purchase by NUON of a large number of Dutch and British off-shore gas fields. Provided valuation and cost input of all surface

facilities based on factual knowledge and data-room data mining to the leading bank and the NUON team for decision making and bidding purposes.

2007-2009

**Sr. Project Manager, EdeA, Geleen, The Netherlands**

- Responsible for the design, procurement, construction and commissioning of a 150/10kV power distribution station. This station, the largest on the Chemelot site, is designed to transform and distribute 240 MW of electrical power. The project was handed over on schedule and remained within budget. The station started up during the first half of 2010 and has been performing flawlessly.
- Responsible for the design, procurement, construction and commissioning of two high pressure steam boiler plants, totally valued at approx. 60 mln. Commissioning is scheduled for 2012.

2001-2007

**Manager Projects, EdeA, Geleen, The Netherlands**

Responsible for managing the projects department of EdeA. EdeA is the joint venture (Essent/DSM) multi-utility (electricity, steam, water and technical gasses) supplier to the chemical plants of DSM and SABIC at the Geleen industrial estate. Responsibilities are a.o. effective resource management, competence development, introduction of project management best practices work processes and – controls, coaching, trouble-shooting, claims negotiation, large capital projects contract negotiation. Special focus on demolition projects. Responsible for compiling and annotating the bi-annual investment program. Total turn-over approx. EUR 30 mln/a, managing direct 12 fte.

2004: left DSM service and established own company.

2000-2001

**Sr. Project manager, Engineering Stamicarbon/DTP, DSM Services, Urmond, The Netherlands**

Responsible for the emergency replacement of in-plant piping systems in acrylonitrile plants. Managing the detailed design contractor, construction contractor as well as the construction management.

Design and engineering of a manufacturing plant for a break-through product for the electronics industry.

Detailed design and implementation of a glass fibre based data communication network. The network, which handles all company data traffic and drives DSM's wish to expand into e-commerce, is of prime strategic importance. Responsible for managing the main contractor, the engineering contractor, DSM inhouse services and the DSM construction management team.

2000: Joined DSM

1995-2000

**Sr. Field engineer, Energie Beheer Nederland, Heerlen, The Netherlands**

Key responsibilities are to safeguard the shareholders' interest (i.e. the Dutch state) with respect to technical quality and project development for all surface related aspects covering most of the offshore Dutch continental shelf. Responsible for reviewing operators' proposals and advising the Shareholders accordingly and for developing a long term strategic view with respect to field development, exploration activities and abandonment timing for large sectors of the Dutch continental shelf.

1995: Joined Energie Beheer Nederland.

1993-1995

**Sr. Conceptual engineer, Petroleum Development Oman (PDO), Sultanate of Oman**

Responsible for all conceptual engineering activities for a number of PDO's northern oil fields. Key responsibilities included the conceptual design of new field extensions, de-bottlenecking and optimisation of existing facilities, budget development, investment program development, and firming up and submitting technical and commercial proposals for implementation. Also responsible for life-cycle strategy development.

1991-1993

**Sr. Project Manager, Petroleum Development Oman, Oman**

Managed the budget development and approval for the design, procurement and construction of a Government owned Butane plant (EPC contract). Responsible for conceptual design, front-end design and detailed design for the EPC contract and the contracting of goods and services. Managed the clients' office at the contractors' home office. Key responsibilities were preparation and implementation of the technical and commercial concept, interfacing with the Government, management of own professional staff, both at the contractors' office and at the home office, variance and change order control, and safeguard that the clients' requirements were met.

1991

**Sr. Process/Project Engineer, Petroleum Development Oman, Oman**

Responsible for auditing and managing the clients' requirements in an EPC contract for a major expansion of a Government owned gas processing plant in the central Oman desert. Also responsible for construction supervision.

1989 to 1991

**Sr. Project engineer, Shell Canada Limited, Calgary, Canada**

Managed the design, procurement and construction of the de-bottlenecking of a sour gas processing plant. Key responsibilities were overall implementation of the project, project controls and interfacing between operations and projects. Provided leadership and direction for an in-house project team and outside consultant. Responsible for regulatory approvals.

1988 to 1989

**Sr. Process Engineer, Shell Canada Limited, Calgary, Canada**

Involved in the front-end design of the Caroline project field facilities. Performed optimization study for a bitumen plant. Performed pipeline and process simulations and designs for various in-house clients. Provided technical advice to various in-house clients.

1986 to 1988

**Project Engineer, BEB Öl and Gas GmbH, Hannover, West-Germany**

Managed the design, procurement and installation for various sour gas field facilities. Main responsibilities were the specification, procurement and inspection of equipment, together with field construction. Liaison between operations and in-house project services office.

1986

**Project development, Shell Sarawak Bhd., Sarawak, Malaysia**

Performed, as part of a team, a feasibility study on a large offshore gas gathering system, consisting out of a large number of new offshore facilities and pipelines. Responsible for process design and simulation, interfacing with reservoir engineering, cost estimating.

1984-1986

**Field Engineer, Shell Internationale Petroleum Maatschappij, The Hague, The Netherlands**

Performed process designs and equipment designs for various Shell operating companies, including conceptual design Draugen process topsides (Norway), vessel design, development of vessel design guidelines, on site review/study of a blowdown system in Egypt. Acquired extensive experience with process simulators.

1984

Joined Shell Internationale Petroleum Maatschappij, The Hague, the Netherlands, in the exploration and production department, international staff.

**Education**

1978-1984

Technical University of Eindhoven, Eindhoven, The Netherlands.  
MSc Chemical Engineering.

**Personal details**

Date of birth: 21 feb. 1959, nationality: Dutch