PERSONAL INFORMATION

Name	:	Ing. J.H. Bijkerk mba
First name	:	Jan Hendrik
Date of birth	:	September 17e 1949
Education	:	- HTS, Civil Engineering,1971, Leeuwarden: graduated; - Non-commissioned officer at the Artillery Measure department 1973; - Applicationcourse Civil engineering 1975 aan HTS te Zwolle: Diploma; - Post-doctorate education "Project management in the Civil Engineering" (MBA) 1996, TSM-Business School, Technical University of Twente, graduated.
Courses	:	- Application course Hydraulic Engineering 1975 at the HTS in Zwolle: graduated - Several training in the speciality, chiefly the course Network planning and Computation
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Languages	:	Dutch, English, German
Present employer	:	Ministry of Transport and Public Works, Civil Engineering Division and Municipal of Amsterdam
Present function	:	Consultant – Project Management Consulting Bijkerk INFRA B.V.

EMPLOYERS

1971 - 1977	:	Ministry of Transport and Public Works, Design Department, directorate Friesland
1977 – 2007	:	Ministry of Transport and Public Works, Civil Engineering Division
2007 – 2012	:	Municipal of Amsterdam – Division Infrastructure, Traffic and Transport

EXPERIENCE:

1971:

Ministry of Transport and Public Works, Design department, directorate Friesland, in Leeuwarden;

- Designer;
- Infrastructural designs.

1972:

Ministry of Defense;

- Military service, training by the Artillery (101 AMA), specialised in position-finding systems and measure methodology's.

1974:

Civil Engineering Division of the Ministry of Transport and Public Works, Tunnel department;

- The construction of the Margriettunnel in Sneek as assistant-project site-manager.
  - Scope of activities/experience:
  - Support earth - and concrete works, immersion tunnel section, sand-jetting foundation tunnel section

1976:

Civil Engineering Division of the Ministry of Transport and Public Works, Tunnel department;

- The construction of the Hemspoor Railway Tunnel near Amsterdam as assistant-project site-manager;
- Scope of activities/experience:
  - Design and support cooling systems concrete work;
  - Supporting concrete work in general;
  - Calculation and execution of floating up, transport and immersion of 8 tunnel sections;
  - Calculation and execution of the sand-jetting foundation of the tunnel sections.

1981:

Civil Engineering Division of the Ministry of Transport and Public Works, Tunnel department;

- Assistant-project site-manager of the construction of the "Koopvaarderschutsluis" in Den Helder;
- Scope of activities/experience:
  - complete work support, investigation completed, concerning the installation of under water concrete, preparation and execution with the installation of underwater concrete (by Hop-dobber).

1983:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Project-site-manager at the Storm-Surge-Barrier “Eastern Scheldt " – cost 4 billion Dutch Guilders;
- Scope of activities/experience:
  - Participation in the working group "Preparation installation of elements", in which the several designs have been developed to be able to place all concrete and steel elements of the Storm-surge-barrier, except for the piers. Parts of this were the designs of hoist frames, pontoons and assisting constructions;
  - The development, in co-operation with Survey services, of advanced positioning-systems;
  - Drafting up of scenario's, checklists, mooring schedules and decision-procedures for the execution;
  - Drawing up of expected production norms of the stationing equipment by means of weather working criteria and remaining fringe conditions;
  - Maintaining contacts and settling procedures concerning the prediction and passing of actual information about meteo- and hydro-circumstances;
  - The support of the placing of concrete and steel elements in the mouth of the Eastern Scheldt:
  - Land head traffic beams ± 1800 tons each, 62 traffic beams ± 1200 tons each, 62 top beams ± 1300 tons each, 62 sill beams ± 2500 tons each, 124 hammer pieces ± tons each, 62 gates ± 400 tons each, 124 processing works ± 100 tons each
  - These elements have all been placed in the period 1984-1986 with a 1600 tons' sheerlegs (over the A-frame), the Taklift 4, for the greatest part in a 168-hours working-week;
  - Participation of the study group "Quality sealing", wherein bottlenecks were found and executed actions were evaluated, which possibly in practice could lead to apposition of the process;
  - Having continuous consultations with conducting supporting services during the execution;
  - Considering and deciding weather planned operations were going to be carried out or not, depending on actual meteo-, hydro- and technical circumstances;
  - Drafting up long and short term planning for placement;
  - Execution of evaluations of rounded placing procedures.

1987:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Project-site-manager at the Storm-Surge-Barrier “Eastern Scheldt " – cost 4 billion Dutch Guilders;
- Scope of activities/experience:
  Finishing estimate of the concrete elements and piers of the Storm Surge-barrier Eastern Scheldt, in which at the same time floating equipment was included to be able to repair any damage due to concrete-piers under water.
  - The coordination of all occurring activities at the Storm-surge-barrier, on water as well as on the barrier.

1987, 1988, 1989:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Advisor marine-works;
- Scope of activities:
  - Part-time adviser of COWI-consult for the design and execution of the East- and West bridge in the Storebaelt in Denmark;
  - Finding working methods on behalf of the Westbridge;
  - Design and constructions of workability analyses on behalf of the Westbridge;
  - Supply of the "Marine Works" on behalf of the West-bridge;
  - Making cost-analyses on behalf of the Westbridge, participate in miscellaneous review-panels of the East-bridge, technical evaluations of the tender designs.

1988, 1989, 1990, 1991:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Project-site-manager Railway tunnel Rotterdam - building tunnel sections, tunnel trench and immersion elements (8 sections).
- Scope of activities:
  - Participating in the preparation of floating up, transport and immersion in the study group "Preparation immersion tunnel sections Railway tunnel Rotterdam";
  - Supporting in building tunnel sections;

- Coordinating: managers of waterways, hydro- and meteo advisors and inhabitants of the town of Rotterdam;
- Coordinating: Dutch Railways and Department of Public Works of Rotterdam on construction-level;
- Coordinating and supporting positioning systems on behalf of immersion;
- Supporting: floating up, transport, immersion and creating sand-jetting foundation;
- Execution of evaluations of rounded procedures;
- Evaluating initial cost and estimate forecast.

1989 - 1990:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Consultant of TEC (Tunnel Engineering Consultants)
  - on behalf of the transport, immersion and creating sand-jet-foundation of the tunnel sections from "Tunnel below the North" near Alblasserdam.

1990:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Participating in the review-panel "Design and execution of the Slow Traffic Tunnel Heinenoord".
  - Evaluated designs: boring tunnel, slide tunnel, segment tunnel, immersed steel tunnel, immersed concrete tunnel;

1991:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Participating in a design review-panel "Hydraulic Engineering" for checking of the design from the "Storm Surge-barrier New Waterway" near Rotterdam with regard to:
  - execution, functionality, operational reliability, safety and maintenance possibility's.
- Participating in the review-panel "Immersion of the Aqueduct Grouw".
- Participating in the review-panel "Preliminary design Western Scheldt Tunnel".

1991:

Civil Engineering Division of the Ministry of Transport and Public Works, Construction Department, region North-West of the Netherlands;

- Execution manager of different civil works in the region;
- Advisor in the design face of the Venice Barrier (Milan).

1992 and 1993:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Scope of activities:
  - Project manager "Nieuwe Oranjesluis" in Amsterdam.
  - Chairman of the task-group "Development construct methods" of the project "Storage of polluted soil in underwater basins".

1993:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Senior Project manager Design and Construct of the Storm Surge Barrier New Waterway (Maeslantkering) Hoek van Holland near Rotterdam;
- Scope of activities:
  - Project manager of the design- and buildings activities of the, which is a full-automatic, based on precast water levels, closing barrier to protect the delta of the Netherlands against the sea;
  - The last construction of the de Delta works in the Netherlands;
  - The two doors which take care of the protection, have each the follow dimensions: length 210 meter, height 22 meter and a width of about 10 meter – they are floating down on the bottom of the river;
  - The contract was based on a Design & Construct contract;
  - Responsible for a project organization with different disciplines: civil engineering, steel engineering, hydraulic engineering, software engineering, quality assurance, etc,
  - Total cost : Dutch guilders 920 million (€ 420 million);
  - Design from 1998 until 1991;
  - Under construction from 1991 until 1997;

1997:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Chief Project management Tunnel-department;
- Scope of activities:
  - Responsible for a department with project managers and assistant project managers, totally about 30 people;
  - Internal client;
  - Responsible for the external client of Tunnel projects under construction like the 2e Beneluxtunnel,

the Calandtunnel, Sijtwende, Aquaduct de Vliet etc.
- 300 billion Dutch guilders a year;
- Responsible for the implementation of the course Project management in the Tunnel department.

2000:

Civil Engineering Division of the Ministry of Transport and Public Works;

- Advisor for finalizing of the Storm Surge Barrier of St. Petersburg, Russia

2002:

Civil Engineering Division of the Ministry of Transport and Public Works, Department HSL-ZUID
Manager Substructures HSL.

- Project manager substructures High Speed Line (HSL-South, Amsterdam-Belgium)
- Scope of activities:
  - Managing the project department of the substructure of the HSL-South;
  - A project organization of about 200 people, divided in six contract departments, a conditioning department, one staff department (quality, plan, scope, finance) and a management assistant department;
  - Managing six Design and Construct contracts: client for the six contracts, each with a financial dimension of about 450 billion Euro;
  - Scope of works: total length about 100 kilometer : settlement-free concrete plates, an aqueduct, tunnels, two immerged tunnels, a bridge across the Hollandsch Diep, viaducts and a bored tunnel with a length of 7000 meter and a diameter of 15 meter.
  - Participating in the Management team of the HSL-project
  - Total cost HSL: € 5 billion;
  - Under construction from 2000 until 2005

2006:

Civil Engineering Division of the Ministry of Transport and Public Works,
Project management department.
Senior Project manager

- Scope of activities:
  - After a reorganization building up the project management-department;
  - Developing of a project management course for the total RWS-organization;
  - Superior of the fifteen most senior-project managers;
  - To truss the risk management in the projects of the total RWS-organization.
  - Guest teacher for the course project management in RWS.

2006:

Civil Engineering Division of the Ministry of Transport and Public Works,
Project management department.

- Knowledge exchange in China: Storm Surge Barrier in Shanghai and the South-to-North project, a water management project (to bring water from Shanghai to Beijing).

2007 - 2012:

Municipal of Amsterdam, Department Infrastructure, Traffic and Transport.
Director Execution of the North South Line (Metro line Amsterdam)

- Scope of activities:
  - Member of the board of the North South Line;
  - Leading a team of 10 contract managers for the sub- and superstructure of the Line;
  - Responsible for the total execution of the project;
  - Cost € 3,1 billion, 220 employees, a risky project with a heavy surrounding management, new techniques, a bored tunnel under a densely populated old town and the bad fundated town of Amsterdam, deep stations with walls till 45 meter below street level, under tunneling of the Central Station, a historic monumental building.

2012:

Project Management Consultant Bijkerk INFRA B.V.

- Scope of activities:
  - Consulting / advising in project management, contract management, risk management;
  - Consulting / advising for immerged tunnels