GEOBEST

CURRICULUM VITAE

Personal details

Name	J.W.R. (Roel) Brouwer
Nationality	Dutch
Date of birth	27 *July 1964*
Occupation	*Principal Consultant*
Email	*roel.brouwer@geobest.nl*

Education

1982-1989	Master of Science, Delft Technical University, Civil Engineering Faculty
1989-1991	Military Service

Work Experience

Geobest B.V. *2013 - present*
Principal Consultant / Co-owner

Terracon Funderingstechniek B.V. *2012 – 2013*
Director

VWS Geotechniek B.V. *2006 – 2012*
Engineering manager

T&E Consult B.V. (Strukton) *1999 – 2006*
Senior Geotechnical Specialist

Fugro Engineers B.V. *1994 – 1999*
Senior Project Engineer

Mos Grondmechanica B.V. *1991 – 1994*
Geotechnical Engineer

Royal Dutch Air Force, Gilze-Rijen *1989 – 1991*
2nd lieutenant (military service)

Summary of skills

Technical, commercial as well as management skills as (geotechnical) project manager on several national and international projects.

>30 years' experience in geotechnical consultancy for several national and international projects; onshore, nearshore and offshore.

Experience in supervision and assessment of geotechnical field and laboratory testing for national and international projects.

Detailed experience

Geobest

- Drivability study for finger piers Immingham RoRo terminal (IERRT) 2024-2025
- Study towards concept for concrete monopiles (Fundex Nautex) 2024-2025
- Drivability study for XXL monopiles offshore Wind farm Awel Y Mor 2023
- Several national and international industrial projects using soil stabilization techniques (Enviro-Mat®) 2017-present
- Pile drivability studies for High Speed 2 line, Colne valley Viaduct, UK 2020-2021
- Second opinion for rehabilitation of Tawajariepolderweg and Chandishawweg Suriname 2019
- Design of crane hardstands and lay down areas, Dangote refinery, Nigeria 2018-2019
- Soil investigation and geotechnical engineering for a slipway in Mombasa, Kenya 2018-2020
- Geotechnical engineering for pier extension, St.Lucia 2016
- Geotechnical engineering for second mega pier, Otrabanda Curacao 2015
- Geotechnical consultancy for land reclamation container terminal 4, Jebel Ali, UAE 2015
- Drivability and vibration studies for several parts of Thames Tideway Tunnel,London,UK 2015-2016
- Geotechnical consultancy in tender phase for Quay wall Extension, port of Felixstowe, UK 2013
- Geotechnical engineering embankments fortified with stone columns, Mozambique LNG 2013
- Geotechnical consultancy and engineering in tender phase for jetty PNW LNG, Lelu Island, Canada 2014
- Geotechnical consultancy and engineering for several tenders and projects in The Netherlands 2013-present
- Coaching and supervision of junior and medior colleagues 2013-present

Terracon Funderingstechniek

- General Management (financial, technical and commercial) 2012-2013
- Acquisition tasks (national and international) 2012-2013
- Technical and commercial proposals for several national and international works 2012-2013

VWS Geotechniek

- Member of review committees for several tenders and projects within Van Hattum and Blankevoort 2008-2011
- Management (financial and commercial) tasks within VWSG 2008-2010
- Geotechnical advice for several tenders and projects in Gibraltar 2009-2012

Supervision of soil investigation and geotechnical consultancy for:

- Tay Road Bridge pier collision protection works, Dundee, Scotland 2011-2012
- Land reclamation and piling works for Simpson Bay Bridge, St Maarten 2010-2012
- Flood defense works in Glasgow, Scotland 2009-2011
- Lion Gas LNG plant in Rotterdam, The Netherlands 2006-2008
- Jetty no. 8 , LNG plant on Isle of Grain, UK 2007-2008
- Several Jetties, quays and reclamation works in the Caribbean 2006-2011

T&E Consult

- Project manager engineering for the construction of underground parking garages in Leeuwarden and Roosendaal 2004-2006
- Geotechnical advisor Amsterdam subway North-South connection, central station 2003-2004
- Geotechnical Engineering team Leader for High Speed Railway line between Amsterdam and Leiden (embankments, crossings, tunnels) 2000-2002
- Supervision and analysis of several pile loading tests 1999-2002
- Execution and analysis of Pile Driving Analysis (PDA) tests for several projects 1999-2003
- Geotechnical Engineering Team Leader for "Betuweroute" cargo Railway line 1999-2000
- Geotechnical consultant bidding phase High Speed Railway line between Moerdijk and the Belgian border 1999

Fugro

- Geotechnical client representative for Shell LNG plant in Oman 1998
- Site manager for soil investigation activities for several onshore, nearshore and offshore projects (Egypt, Gulf of Mexico, Iran, Ivory Coast, Saudi Arabia, Caspian Sea) 1997-1999
- Preparation of geotechnical reports and foundation analyses for the international projects mentioned above. 1997-1999
- Soil investigation and geotechnical advice for several rig moves in the Mediterranean and the red sea 1997-1999
- Supervising reclamations works and monitoring activities for the embankment of the interstate highway ("Veilingroute") N222 near the Hague 1994-1996

Mos Grondmechanica

- Supervising soil investigation and preparation of geotechnical reports for a variety of petrochemical projects (Shell, DOW, ICI, Arco Chemicals, Total, Esso) 1994-1996
- Preparation of geotechnical reports and foundation analyses for the Shell PER+
- project in Rotterdam-Pernis 1993-1994
- Managing the Mos Grondmechanica branch in Berlin (Germany) and performing marketing and acquisition activities 1993
- Site manager for several soil investigation projects in the Berlin area 1993
- Preparation of geotechnical design reports for a variety of projects in the Berlin area 1993
- Assistant client representative for soil investigation activities for Shell refinery Map Ta Phut (Thailand) 1992

Languages

	Speaking	**Writing**	**reading**
Dutch	native tongue	*very good*	*very good*
English	very good	*very good*	*very good*
German	*good*	*good*	*good*
French	*basics*	*basics*	*basics*

Committee Memberships

Board member of Dutch engineering society KIVI, geotechnical department

Member of ISSMGE technical committee TC203 (earthquake geotechnical engineering and associated problems)

Member of several study committees in the Netherlands (SBRCURnet, CROW, COB)

Publications

The use of the Enviro-Wall-Mat® in soft soil conditions for marshalling areas, crane hard stands and lay down areas, Proceedings of the DFI-EFFC International Conference on Deep Foundations and Ground Improvement, Brugge (2025)

The use of foam glass for a lightweight fill and highway foundation on soft soil conditions, Proceedings of the XVIII ECSMGE, Lisbon (2024)

Drivability aspects of tubular piles in chalk, proceedings 11th International Stress Wave Conference, Rotterdam (2022)

WP Deil - solide basis voor kraanopstelplaatsen door Enviro-Mat (Wind farm Deil – a solid base for crane hard stands by means of the Enviro-Mat), Land en Water (2021)

Laterally loaded piles in an embankment of dry sand, Proceeding of the 2018 DFI-EFFC International Conference on Deep Foundations and Ground Improvement, Rome (2018)

Hei- en trilbaarheid palen en damwanden (installation aspects of piles and sheet piles) special Geotechniek, geotechniekdag, 19e jaargang (2015)

Reduction of cone resistance due to excavations – new insights, Proceedings of the XVI ECSMGE, Edinburgh (2015)

De nieuwe Ramspolbrug op open stalen buispalen, (New Ramspol bridge founded on tubular steel piles), Geotechniek, 17e jaargang (2013)

Design and construction of a secant pile wall in Glasgow, Proc. 15th European Conference on Soil Mechanics and Geotechnical Engineering, Athens (2011)

Lekdetectie bij Bouwputten, toepassing van de elektrische potentiaalmethode, Geotechniek, 15e jaargang (2011)

Nieuws onder de grond: Vakblad Geotechniek 15 jaar, Geotechniek, 15e jaargang (2011)

Gevolgen economische crisis in de geotechniek, Geotechniek, 14e jaargang (2010)

The meaning of Eurocode 8 and Induced Seismicity For Earthquake Engineering in the Netherlands, Proc. 5th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego (2010)

Tanking Constructions in the Netherlands, Proc. Waterproof membranes convention, Köln (2009)

Ontwerp en uitvoering paalfundering, Hal 10 Hollandia te Krimpen a/d/ IJssel, Civiele Techniek (2008)

Funderingsaspecten Parkeerkelders, Geotechniek, 6e jaargang (2002)

Veilingroute Hoofdas Westland, Civiele Techniek (1996)

Teaching skills

Teacher training coordinator drainage Hogeschool V.H.L.	2019 - 2023
Teacher course Pile foundations (PAOTM) part drivability and installation aspects	2016– 2023
Teacher course 'Eurocode 7' (PAOTM) part 'execution of works'	2007 – 2012
Teacher course Tanking constructions (PAOTM)	2009 – present
Teacher Geotechnical engineering (various in-company projects)	2002 – present
Teacher Soil Mechanics and foundation technique 2 (Elsevier/NCOI/PAOTM)	2006 – 2021
Teacher course Inspection and management (Concrete association), geotechnical part	2016– 2020
Lecturer for several geotechnical courses (NCOI, PAO, University Van Hall Larenstein, Strukton in house, Gasunie, Oosterhoff Holman	2016 – present
Lecturer for several geotechnical workshops	2016 – present

Courses

2012	Deutsche Sprache	Elin talen
2010	Business English (Language Partners)	PAO
2006	Professional skills	T&E Consult
2000	Personal Efficiency Program	PEP
1997	Project management	TSM Business School
1996	New developments in foundation engineering	Imperial College London (UK)
1995	Acquisition for professionals	Norbu Training
1995	Project- en time management	P&O Consultants
1992	CGF1, geotechnical course 1	KIVI/Elsevier

Computer knowledge

Windows, MS-office

D-Settlement (settlement analysis)

D-Geostability (slope stability analysis)

D-Foundations (analysis of tension piles and bearing piles)

D-Sheetpiling (analysis of sheet piles walls)

Plaxis (Finite Element Method for geotechnical problems)

GRLWEAP (pile driving analysis)