

## Julien HABERT

Senior Geotechnical Engineer  
Terrasol, Paris

Year of birth : 1981  
Nationality : French  
Language(s) : English, German

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### KEY QUALIFICATIONS

- Conception and design of geotechnical structures
- Definition, supervision and interpretation of ground testing and monitoring programs
- Supervision of geotechnical works: deep foundations, retaining structures, fills and cuttings, ground-improvement, reinforced soil
- Standards and methodological documents
- Teaching activities

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### EMPLOYMENT HISTORY

- 2020: Terrasol, Headquarters Paris, Senior Geotechnical Engineer
- 2018-2019: Animator Commission Evaluation des Procédés Géotechniques
- 2018-2019: Cerema North Picardy, Lille, Head of the Geotechnical Structures, Soils and Waste group
- 2008-2018: Cerema North Picardy, Lille, Geotechnical Engineer, then Head of the Soil Mechanics and Foundations Unit (after 2011)
- 2004-2008: CETE of Lyon, Autun, Geotechnical Engineer then Head of the Geotechnical studies Unit (after 2005)

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### STANDARDIZATION

- Since 2020: convenor of ISO\TC182\WG08 Borehole expansion tests
- Since 2015: convenor of ISO\TC182\WG11 : Static testing of geotechnical structures
- Since 2010: members of french mirror committees to TC250\SC7 (Eurocode 7) and CEN\TC341 and ISO\TC182 (Ground investigation)

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### MAIN PUBLICATIONS

Taking into account inhomogeneous distortion around the pressuremeter probe to determine shear modulus, Habert, J. et Burlon S., ISC'6, Budapest, 2021

Synthesis of a benchmarking exercise for geotechnical analysis of a thermoactive pile, Habert, J. et al. Environmental Geotechnics, 2019

Constitution et analyse d'une base d'essai de chargement de micropieux et d'ancrages, Habert, J., Toubassy, L., Cuira, F., Darras, V., JNGG 2018, Marne la Vallée

Lessons learned from a long time monitoring of a thermoactive piles, Habert, J., Bernard, JB., EIMejahed, M., 1<sup>st</sup> ISSMGE TC308 symposium, Kiel, 2016

t-z curves for piles from pressuremeter test results. Abchir, Z., Burlon, S., Frank, R., Habert, J. and Legrand, S. Géotechnique, 66(2), 137-148, 2016

Model factor for the bearing capacity of piles from pressuremeter test results A Eurocode 7 approach. Burlon, S., Frank, R., Baguelin, F., Habert, J. and Legrand. S. Géotechnique, 64(7), 513-525, 2014

Calcul des ouvrages géotechniques selon l'Eurocode 7, Burlon S., Habert J., Reiffsteck P, Desodt C. , Dunod, 2017

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## EMPLOYMENT RECORD

### Roads and rail, and bridges

#### HS2 Limited \ C23 \ T2G section (2020 - ongoing)

Detailed design\ Geotechnics for structures

#### DREAL Champagne-Ardenne – Highway A304 (2013-2017)

Consultancy during execution: foundations of bridges, retaining structures, embankments and fills

#### DREAL Nord-Pas de Calais: Access to the Stadium Pierre Mauroy (2010 – 2012)

Detailed design and supervision of the execution: Foundations of bridges and retaining structures

#### SGP, Line 17 (2019)

Consultancy of the settlements of embankments

#### SYSTRA, High Speed line between Tours and Bordeaux, SEA (2012)

Third party checker for foundations and retaining structures of 10 bridges

#### SITURV, Tramway line, bridge Sainte Catherine for the tramway line (2011)

Expertise of the settlements

#### SNCF, High Speed line between Lille and London, Watten (2011-2012)

Diagnostic of settlements of the western embankment of the bridge over the Aa river, 20 years after construction

### MARINE AND COSTAL

#### GPMD (Dunkirk's harbour) – Cap2020, new deep water 1km container terminal and associated assets (2022 - ongoing) Responsible for geotechnical design extension of thd container

#### GPMD – extension of the cdeep water 500 m container terminal (2015-2018) Consultancy during design and execution

#### VNF () – Condé Pommeroeul waterway – Reopening to navigation and waste disposal dams (2012 - 2019) Consultancy during design and supervision of execution

#### VNF – Doubling and extension of Quesnoy-sur-Deûle lock (2012-2018) Consultancy for preliminary and detailed design and selection of the contractors

#### GPMD, Expertise of existing maritime structures (2013 - 2019) Western heavy loads terminal (Quai Pondéreux Ouest, SOGEA et BESIX sections of container terminal, terminals equipped with hydraulic filters to reduce the water level behind the steel sheet pile structure - Alsace, Lorraine et Ramsgate

#### GPMM (Martinique's Harbour), extension of the terminal container (2013) Consultancy for detailed design

#### GPMD, Multi-Vrac Terminal Expertise following hammering issues at the beginning of the execution

#### TP Wallis (French state representative for Wallis and Futuna Islands), Futuna's wharf (2013-2014)

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Detailed design for a new wharf

## Buildings

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LMCU, Weppes public Swimming pool (2011)  
Consultancy during construction works

LMCU, Pierre Mauroy Stadium (2010)  
Numerical modelling of the piles supporting the superstructure

## Water

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MEL (Lille European Metropol), underground water tanks (2013 – 2019)  
Consultancy during design and supervision of works for several underground tanks

LMCU (former MEL), reconstruction STEP Marquette-Lez-Lille (2009-2013)  
Consultancy during construction works

## Standardization / Background documents

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Recommendations on micropiles – Cerema (2019 - ongoing)  
Head of working group 6: load tests

ISO \ TC182 \ WG3: tests on grouted anchors (2017)  
French expert

French recommendations on design and execution of thermoactive geostructures – CFMS (2014-2016)  
Head of working group 2: mechanical design

New « fascicule 68 du CCTG » – execution of geotechnical works (2011 – 2013)  
Member of working group 1: piles and diaphragm walls

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## LANGUAGES

- French : Mother tongue
- English : Advanced
- German : Beginner