

TERRACON

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● *Quality as foundation*



COMPANY PROFILE

TERRACON FUNDERINGSTECHNIEK B.V. IS A SPECIALIST FOUNDATION CONTRACTOR, WORKING THROUGHOUT THE NETHERLANDS AND WESTERN EUROPE. WE ARE SPECIALIZED IN IMPACT DRIVEN AND VIBRATION FREE PILING SYSTEMS. TERRACON EXECUTES PROJECTS WORKING DIRECTLY FOR CLIENTS AS MAIN CONTRACTOR FOR THE PILING PACKAGE OR AS A SUBCONTRACTOR, SOMETIMES IN COMBINATION WITH OTHER RELATED WORKS SUCH AS SITE PREPARATION, CUTTING OF PILES AND EVEN PRECAST OR IN SITU CONCRETE WORKS. TERRACON SPEZIALTIEFBAU GMBH, BASED IN BERLIN, EXECUTES FOUNDATIONS WORKS IN GERMANY, WHERE TERRACON INTERNATIONAL BV IS WORKING IN ALL COUNTRIES OUTSIDE THE BENELUX AND GERMANY.

PILE TYPES

Our piling systems can be divided into driven pile systems and vibration free / low-noise pile systems:

Impact driven pile systems (using diesel hammers or hydraulic hammers)

- Prefabricated pre-stressed concrete piles (precast piles)
- Steel piles (tubular piles up to Ø 2500 mm or steel profiles)
- Precast piles with joints
- MV-piles (on- or near shore)
- Vibro-piles (driven cast-in-situ) and Vibro-combi-Piles (with precast element)
- Sheet piles, Combi walls and Peiner walls, from land or pontoon on water
- Grout injected steel piles up to 1:1 (45°) as anchorage for combi walls

Vibration free and low-noise pile systems

- Full displacement cast-in-situ Terr-Econ-piles, with or without grout injection
- Full displacement Terr-Econ tubular piles (with lost and permanent casing)
- Full displacement Fundex- and Tubex-piles, with or without grout injection

- Terra-combi-piles (displacement pile with a precast element in a grouted shaft)
- Terra-Son-piles (semi displacement pile with a precast element) anti negative skin friction pile
- CFA pile with large inner tube (enables reinforcement cage to full depth)
- Double drilling, drilling a CFA inside a temporary casing
- Pile walls, using overlapping double drilled piles for a retaining wall

MARKET AREAS

- BUILDINGS pile foundations for apartment buildings, office buildings, factories etc.
- INFRASTRUCTURE pile foundations for bridges, viaducts, tunnels, railways etc.
- INDUSTRY pile foundations for petrochemical industry, factories, data centers
- ENERGY SECTOR pile foundations for power plants and high voltage transmission lines
- MARINE WORKS Jetties; installing precast concrete piles and steel piles from pontoon. Quay walls: installing sheet pile walls and/or combi walls from pontoon grout injected steel piles up to 1:1 (45°) as anchorage for combi walls

ADDITIONAL AND RELATED WORKS

Although that Terracon is a specialized subcontractor in piling works, we are always willing and able to execute additional piling related works, such as:

- Design of pile foundations and retaining walls, both geotechnical as structural
- Groundworks, temporary construction roads- and dewatering by deep well, drainage works
- Supply and installation of precast pile caps, precast foundation beams and floor slabs
- Survey; setting out of piles and re-measuring after pile installation
- Pile boxes to avoid damage to near-by existing underground services
- Pile cutting (cutting piles to foundation level of pile caps or floor)
- Low strain pile integrity testing
- Static and dynamic pile testing
- Site facilities (power supply, water supply, site offices, toilets etc.)

TYPES OF PILING- AND DRILLING RIGS

maximum pile lengths

Piling rig	driving	drilling
Junttan PM 25	(~ 23 m)	(N.A.)
Junttan PM 26	(~ 23 m)	(~ 25 m)
Junttan PM 30	(~ 27 m)	(~ 34 m)
Hitachi CX700	(~ 32 m)	(~ 36 m)
ICH Fundex 3500	(~ 32 m)	(~ 36 m)
Woltman THW-900-A	(~ 40 m)	(~ 45 m)
Sennebogen 6100-XLR	(~ 40 m)	(~ 45 m)

