



Geotechnical Engineering



PVC Sheet-piling curtain

Cais da Moita, Moita (Portugal)

Work description

SETH first executed a 4 m long PVC plank pile curtain over a length of thirty (30) metres. PVC plank cuttings are resistant, durable and watertight, maintenance-free, highly resistant to corrosion and the impact of atmospheric and biological factors, including UV radiation and seawater. Resistant to mechanical damage, including scratches, cracks and abrasions, 100% recyclable with the advantage of not changing the quality of water or ground in contact.

They are ideal for carrying out work in rivers or at sea and in protected environmental areas, thanks to their flexibility and long service life, without maintenance and with excellent aesthetic and environmental performance.



Work Summary

Client	UrbeHydraulic, Lda. (License 68029)
Contract Type	Lump Sum
Construction Period	2022
Cost	€ 39 392,00





Geotechnical Engineering



Moinhos da Póvoa River Park and Tagus Bicycle Path

Póvoa de Santa Iria Water Front, Vila Franca de Xira (Portugal)

Description of the work

As part of the work called "Parque Ribeirinho Moinhos da Póvoa e Ciclovía do Tejo" by a general contractor, Seth was awarded the works of 39 tubular piles with 355 mm diameter (12.5 mm thick) with an average length of 36 m that served as support to the footbridge.



Work Summary

Client	Luís Frazão, SA
Contract Type	Lump Sum
Construction Period	2018
Cost	€ 285 000,00





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Sheetpiling and Precast Piles OGMA (Embraer Group), Alverca (Portugal)

Work Description

The piles are driven with modern, free-fall equipment, using a hammer of between 5 and 9 tons raised either by a simple cable system, or the most advanced high performance hydraulic drive methods. This equipment is completely autonomous (requiring no auxiliary components) and mounted on crawler-cranes for easy movement.



Work Summary

Client	Armando Cunha, SA
Contract Type	Lump Sum
Construction Period	2019
Cost	€ 118 770,00





Geotechnical Engineering



Pre-cast Piles

Samora Correia, Benavente (Portugal)

Work Description

The piles are driven with modern, free-fall equipment, using a hammer of between 5 and 9 tons raised either by a simple cable system, or the most advanced high performance hydraulic drive methods. This equipment is completely autonomous (requiring no auxiliary components) and mounted on crawler-cranes for easy movement.



Work Summary

Client	Manuel Joaquim Caldeira, Lda
Contract Type	Lump Sum
Construction Period	2019
Cost	€ 49 848,00



Geotechnical Engineering



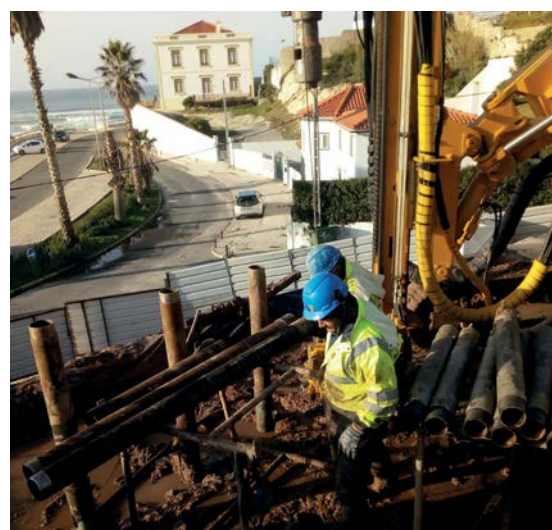
Micro-Piles, Foz do Arelho

Foz do Arelho, Caldas da Rainha (Portugal)

Work Description

Micropiles are generally used when there are difficult ground conditions, such as natural or man-made obstructions, sensitive ground with adjacent structures, limited access/low headroom and/or karstic geology.

They are commonly used to replace deteriorating foundation systems, for the renovation of structures, to support structures affected by adjacent construction, for seismic retrofitting or in-situ reinforcement including embankment, slope and landslide stabilization.



Work Summary

Client	Construções Linto & Marques, Lda.
Contract Type	Lump Sum
Construction Period	2019
Cost	€ 66 598,00



Geotechnical Engineering



Micro Piles, Lallemand

Lallemand Factory at Setúbal (Portugal)

Work Description

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Supply

- 21 micropiles with N80 reinforcement Ø114.3 x 9.0 mm.



Work Summary

Client	Reflexos do Tejo
Contract Type	Unit Price
Construction Period	2018
Cost	€ 35 155,20





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Micro Piles, SCC

SCC, Vialonga, Vila Franca de Xira (Portugal)

Work Description

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They are commonly used to replace deteriorating foundation systems, for the renovation of structures, to support structures affected by adjacent construction, for seismic retrofitting or in-situ reinforcement including embankment, slope and landslide stabilization.

Quantity supplied

- 72 micropiles with N80 reinforcement Ø114.3x10.0 mm.



Work Summary

Client	Graviner Construções, SA
Contract Type	Unit Price
Construction Period	2018
Cost	€ 71 410,40



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Micro Piles, “Coches” Museum

Lisbon (Portugal)

Work Description

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Quantities executed

- 14 micropiles with N80 reinforcement, Ø114.3 x 9.0 mm, for pedestrian bridge foundation.
- 19 micropiles with N80 reinforcement, Ø127.0 x 9.0 mm, for Esplanada foundation.
- 14 HEB120 profiles for Berlin-type containment.

For the execution of micropiles, Seth uses versatile and compact equipment, namely the Klemm 702 and Klemm 803 machines.



Work Summary

Client	Consórcio: João Fernandes da Silva, S.A. + Construções Refoiense, Lda
Contract Type	Unit Price
Construction Period	2017
Cost	€ 60 697,50





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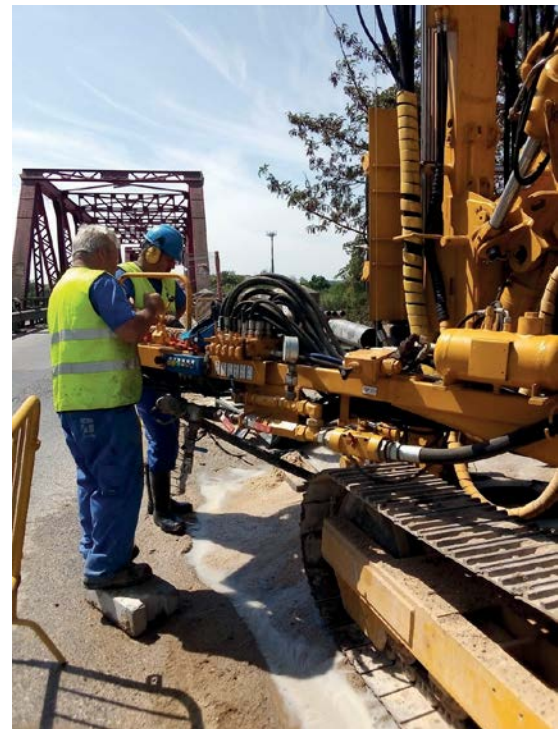


Sheetpiling and Precast Piles

25 April Garden, Coruche, Santarém (Portugal)

Work Description

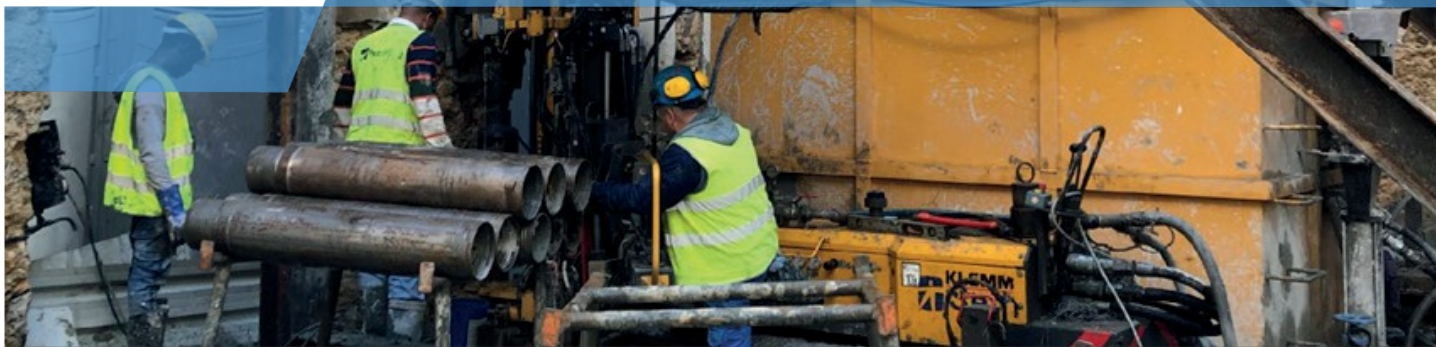
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Work Summary

Client	Somague, SA
Contract Type	Lump Sum
Construction Period	2019
Cost	€ 289 484,80





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Precast Piles

Lisbon (Portugal)

Work Description

Micro piles are generally used when there are difficult ground conditions, such as natural or man-made obstructions, sensitive ground with adjacent structures, limited access/low headroom and/or karstic geology. They are commonly used to replace deteriorating foundation systems, for the renovation of structures, to support structures affected by adjacent construction, for seismic retrofitting or in-situ reinforcement including embankment, slope and landslide stabilization.

Main quantities executed

- 4 micropiles with N80 reinforcement Ø60.3 x 5.5 mm for span support
- 18 micropiles with N80 reinforcement Ø139.7 x 12.50 mm for portals
- 48 micropiles with N80 reinforcement Ø139.7 x 9.0 mm for portals and facade retention.
- 106 micropiles with N80 reinforcement, Ø139.7 x 9.0 mm, for the foundation of the new section to be built.



Work Summary

Client	Sacyr Somague, SA
Contract Type	Unit Price
Construction Period	2019 - 2020
Cost	€ 324 809,20





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Micro-Piles, EDP Substation

Lisbon, Portugal

Work Description

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Work Summary

Client	Graviner, SA
Contract Type	Unit Price
Construction Period	2017
Cost	€ 118 138,40



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Precast Piles

Soporcel Factory, Figueira da Foz (Portugal)

Work Description

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Work Summary

Client	Grupo AOC
Contract Type	Unit Price
Construction Period	2019 - 2020
Cost	€ 35 530,00