

## About this organisation

### Machine translation

This organisation has been machine-translated based on data provided in German.

JACBO Pfahlgründungen has also been based in Germany for almost 30 years and has been an independent part of the successful Possehl Group since 2020. The range of services includes all common foundation engineering methods through to turnkey construction pits. With innovative, CO2-reduced foundation solutions and the digitalisation of construction processes, the company has played a pioneering role in the field of foundation engineering right from the start.

Together with two other partners, the University of Siegen and OTTO QUAST Bauunternehmen GmbH Co. KG, JACBO Pfahlgründungen GmbH is developing efficiency-enhanced full displacement bored pile systems as resource-optimised deep foundation elements in order to exploit the previously untapped potential for increasing load-bearing capacity and thus saving material and resources in such pile systems. By combining scaled model tests, numerical simulations and field tests, pile production is optimised and the resulting increase in load-bearing capacity is scientifically evaluated. The aim is to provide a valid and regulation-compliant design approach, whereby the savings in reinforced concrete associated with the increase in load-bearing capacity can be made accessible to construction practice.

Nordring 62  
48465 Schüttorf  
Lower Saxony  
Germany  
[www.jacbo.de](http://www.jacbo.de)



### Organisation type

Large enterprises

### Sector



### Employees

50 up to 249

### Turnover

€10m - €50m

### Funding

n/a

# JACBO Pfahlgründungen GmbH

## About this organisation

**Main areas covered** CO2-reduced foundation elements, Full displacement bored piles, Screw piles, Ground improvement, Wormhole concrete piles

### Infrastructure

**Certifications** DEKRA SCC\*\*, PQ DB for pile foundations/subsoil improvement, PQ-VOB

**Keywords** Full displacement pile, Partial displacement pile, Rigid Inclusion, Displacement concrete pile, Stabilising column

**Memberships** Bauindustrieverband Ost e.V., Bauverband Mecklenburg-Vorp. e.V., DGGT, VDBUM, Economic Association Grafschaft Bad Bentheim e.V., Growth Region Ems-Axis e.V., IHK (Osnabrück-Emsland, Schwerin, Cologne, Swabia)

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components, Materials, Tools and moulds		✓	✓
<b>Services &amp; consulting</b> Consulting, Testing and trials, Engineering, Simulation, Technology transfer	✓	✓	✓

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Field of technology</b>			
<b>Design &amp; layout</b> Hybrid structures		✓	✓
Functional integration			
Measuring and testing technology			
Modelling and simulation			
<b>Plant construction &amp; automation</b> Plant construction		✓	✓
<b>Recycling technologies</b> Recycling		✓	
<b>Manufacturing process</b>			
Additive manufacturing			
Coating (surface engineering)			
<b>Fibre composite technology</b> Casting (concrete)		✓	✓
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<b>Composites</b> Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Short fibre-reinforced concrete, Textile-reinforced concrete		✓	
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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