



# Helmstedt, Edelhöfe

## Data and facts

<b>Company</b>	PORR Spezialtiefbau GmbH
<b>Type</b>	Subsoil improvement
<b>Runtime</b>	01.2018 - 12.2019
<b>Principal</b>	Kreis-Wohnungsbaugesellschaft Helmstedt mbH

[Project report online](#)

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# Vibro replacement for an apartment and office building.

This soil improvement process was completed using vibro replacement carried out by Stump-Franki. A sluice vibrator was sunk into the soil for the procedure. Activating the support frame then created vibration and pressure to penetrate the soil. After reaching the planned depth, the vibrator was drawn along in small driving steps so that the backfill material could escape from the tip of the vibrator. The columns were thoroughly compacted from bottom to top by repeated insertion of the vibrator. The vibrator displaced the binding soils to the sides, while non-binding soils were compressed by the applied vibrating energy of the deep vibrator.

## Technical data / quantities

Number of vibrated stone columns	341
Column depths	4-6m
Column diameter	65cm

## Impressions



## Image notes

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Production of the vibrating tamping compaction.

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

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