

Logistics warehouse

Peggau

Building site report Impulse compaction

»SYSTEM TERRA-MIX«TM

**_Building site
report**

- _Execution: **April 2017 to May 2017**
- _Project: **New construction of a logistics warehouse**
- _Contractor: **PS Immobilien Treuhand GmbH**
- _Impulse compaction: **110 individual and 320 strip foundations**



_Building site report

Job description:

A new logistics warehouse was planned in the area of Peggau. The property was originally a dredging, which again was filled with soil excavation and slam material and covered over with several meters of recycled bricks.

Solution:

Due to the geometry of the gravel pit large differential settlements were to be expected. Therefore the area below the foundations were improved by means of Impulse compaction, whereby in the middle of the former gravel pit significantly more transitions were necessary than in the peripheral area, where the in-situ soil was already to be found 1m below the foundations. Due to coverings over several years and settling observations a high quality soil stabilization of the existing brick recycling material was sufficient in the area of the warehouse for the establishment of the baseplate.

Result:

Based on the compaction data, as well as samplings through dynamic probing, a medium to dense bedding, as well as a homogenization of the different soil conditions below the foundations, could be achieved.

