

NPZ Innovation GmbH Company Profile

NPZ Innovation GmbH (NPZi) is a medium-sized research company founded in November 2013 and based in Hohenlieth in Northern Germany (near Kiel).

As a spin-off of the research department of Norddeutsche Pflanzenzucht Hans-Georg Lembke KG, NPZi offers specialised research services in the field of breeding and genome research. With around 50 employees, more than half of whom have academic qualifications, the company covers a wide range of research activities.

NPZi is the go-to provider of innovative technologies for plant breeding, with focus on rapeseed, grain legumes and cereals. The core areas are pre-breeding, molecular breeding, digital phenotyping, data science, and seed technology. The goal is clear: to develop new high-performance varieties by optimising agronomic traits such as yield and resistance.

To achieve these goals, NPZi cooperates intensively with scientific institutions, public research institutions, and companies in the agricultural and biotechnology sectors. It is involved in numerous national and international research projects and partially coordinates these projects. We work closely with external partners. This allows us to make the most of synergistic effects and incorporate scientific findings directly into the breeding process.

NPZi runs a comprehensive pre-breeding program for winter and summer rapeseed and maintains up to date research facilities. The company's site in Groß Lüsewitz (near Rostock in north-east Germany) is home of cutting-edge laboratories for marker, seed & quality analysis, as well as a phytopathology unit.

The site also includes an 800 m² greenhouse facility in the „Agrobiotechnikum“ that is used for experimental research and breeding tasks.

NPZi's development, optimisation and implementation of new technologies is making a significant contribution to improving agronomic traits. The company is actively supporting the production of new, high-performance varieties and is thereby strengthening innovation in the agricultural sector.

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